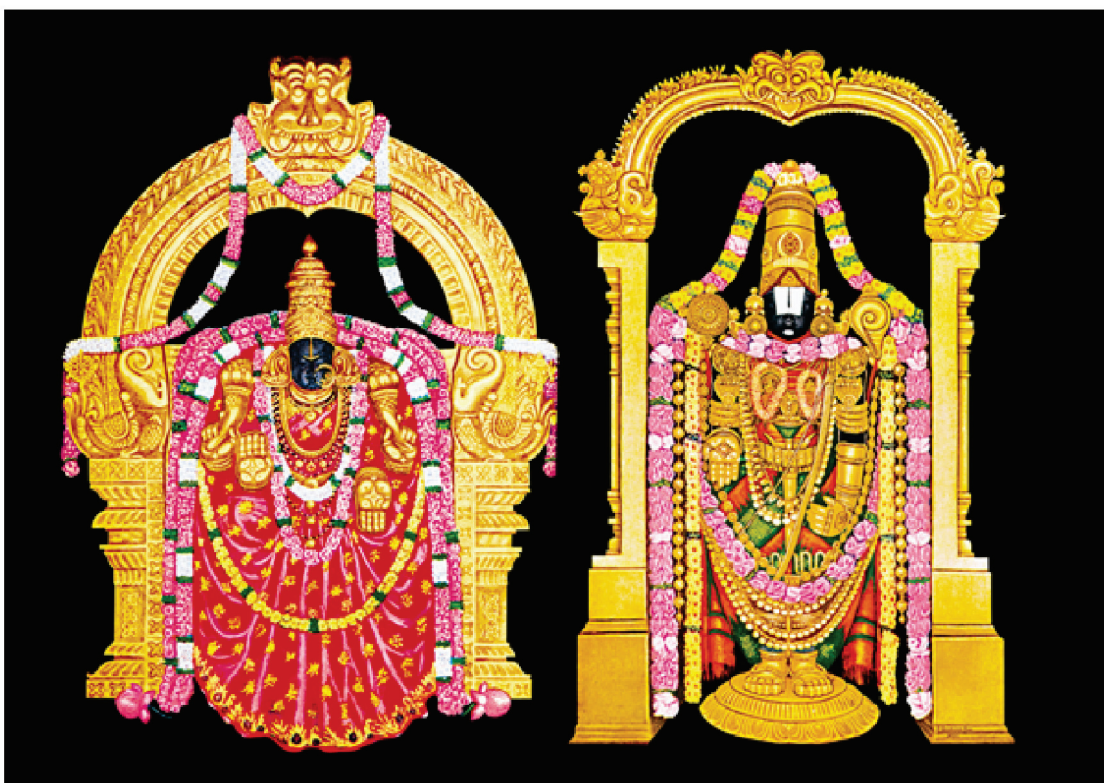


ANNUAL REPORT

2019



SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES

(A University established by an Act of Andhra Pradesh State Legislature)

Website: <http://svimstpt.ap.nic.in>

TIRUMALA TIRUPATI DEVASTHANAMS, TIRUPATI

మంగళాచరణము मङ्गलाचरणम्

श्रीनिवासो विजयते

శ్రీనివాసో విజయతే

समस्तजननीं वन्दे चैतन्यस्तन्यदायिनीम्।

श्रेयसीं श्रीनिवासस्य करुणामिव रूपिणीम्॥ (दयाशतकम्-6)

సమస్తజననీం వందే చైతన్యస్తన్యదాయినీమ్ ।

శ్రేయసీం శ్రీనివాసస్య కరుణామివ రూపిణీమ్ ॥ (దయాశతకమ్-6)

సప్తాద్రీశుడైన శ్రీనివాసుని యొక్క కరుణయే మూర్తిభవించినట్లు ఉండేటట్టి, సకల శ్రేయస్సును కలిగించునట్టి, సర్వప్రాణులకు జ్ఞానమనే స్తన్యమును ఇచ్చునట్టి ఈ జగత్తుకే తల్లియైనట్టి శ్రీలక్ష్మీదేవిని నమస్కరించుచున్నాను.

गुरोरधीताखिलवैद्यविद्यः पीयूषपाणिः कुशलः क्रियासु।

गतस्पृहो धैर्यधरः कृपालुः शुद्धोधिकारी भिषगीदृशः स्यात् ॥ (सुभाषितसुधास्त्रभाण्डागारे)

గురోరధీతాఖిలవైద్య విద్యః పీయూషపాణిః కుశలః క్రియాసు।

గతస్ప్రుహో ధైర్యధరః కృపాళుః శుద్ధోధికారి భిషగీదృశః స్యాత్ ॥ (సుభాషితసుధారత్నభాణ్డాగారే)

గురువు దగ్గరనుండి సమస్త వైద్యవిద్యలను అభ్యసించినవాడు, అమృతహస్తాడు, కార్యకుశలుడు, నస్పృహుడు, ధైర్యవంతుడు, దయాగుణం కలవాడు, మానసిక శుద్ధికాలవాడు - ఇటువంటి అర్హతకలవాడే నిజమైన వైద్యుడు.

शरीरं जर्झरीभूते व्याधिग्रस्ते कलेबरे।

औषधं जाह्नवी तोयं वैद्यो नारायणो हरिः ॥ (सुभाषितरत्नभाण्डागारे)

శరీరే జర్జరభూతే వ్యాధిగ్రస్టే కలేబరే ।

ఔషధం జాహ్నవీ తోయం వైద్యో నారాయణో హరిః ॥ (సుభాషితరత్నభాణ్డాగారే)

శరీరం శిథిలమైనపుడు, శరీరం వ్యాధిగ్రస్తమైనపుడు ఔషధమే గంగాజలం, వైద్యుడే సాక్షాత్తు శ్రీమన్నారాయణుడు

दीर्घमायुः स्मृतिं मेधाम् आरोग्यं तरुणं वयः।

प्रभावर्णस्वरौदार्यं देहेन्द्रियबलं परम्॥

वाक्सिद्धिं प्रणतिं कान्तिं लभते ना रसायनात्॥ (चरकसंहित-अध्याय-2, पादः-2, श्लोकौ-7,8)

దీర్ఘమాయుః స్మృతిం మేధామ్ ఆరోగ్యం తరుణం వయః ।

ప్రభావర్ణస్వరౌదార్యం దేహేంద్రియబలం పరమ్ ॥

వాక్సిద్ధిం ప్రణతిం కాన్తిం లభతే నా రసాయనాత్ ॥ (చరకసంహితా-అధ్యాయ-2, పాదః-2, శ్లోకౌ-7,8)

దీర్ఘాయుష్షును, స్మరణశక్తిని, మేధస్సును, ఆరోగ్యాన్ని, యవ్వనాన్ని, కాంతితో కూడిన రంగును, మంచి కంఠస్వరాన్ని, గొప్ప దేహబలాన్ని, ఇంద్రియబలాన్ని, మంచి వాక్పటిమను, వినయాన్ని, కాంతిని మానవుడు ఔషధం చేత పొందగలడు.

FROM THE DIRECTOR-CUM-VC'S DESK.....



It gives me a great pleasure to once again share my thoughts with you through our Annual Report for the year 2019. I would like to thank you all for your unstinting support in our journey so far. We set out our mission to make quality healthcare accessible to all. I am also happy to share with you that in the year gone by, our SVIMS has witnessed a further maturing of processes and systems aligned towards delivering better healthcare to our patients across the State of Andhra Pradesh.

I would like to place on record the enormous contributions being made every day by our Faculty and Postgraduate Resident Doctors, Nursing and Paramedical staff, Administrative Staff and all other departments and units by putting in dedicated effort to make a difference to every patient. This effort has also been possible by the magnanimity and unstinting support of the Tirumala Tirupati Devasthanams, the kindness and constant encouragement of Government of Andhra Pradesh.

This sense of dedication and personal involvement has helped the organization to continually improve upon its own benchmarks of patient satisfaction, service quality, clinical outcomes, efficiency and move ahead on the path to prosperity. Our objective is to create a growth-focussed culture that delivers high quality healthcare with warmth and empathy, generating sustainable value for patients.

Overall, this has been an immensely satisfying year. We have accomplished much as a Medical Institution and University of excellence and have set the stage for the next phase of growth. I would once again like to extend my very special thanks to all of you and look forward to your continued commitment to the future of healthcare. We are happy to share the progress, activities and initiatives at SVIMS.

Dr B. Vengamma
Director-cum-Vice Chancellor

VISION

To be among the global best and one of the premier health systems in India

MISSION

- ★ To become the health system of choice and be in top 10 with regards to overall national rankings.
- ★ To fulfil the objectives of SVIMS Act in terms of clinical, educational & research activities.
- ★ To drive the key performance indicators and achieve top performance threshold against the bench mark organizations.

VALUES

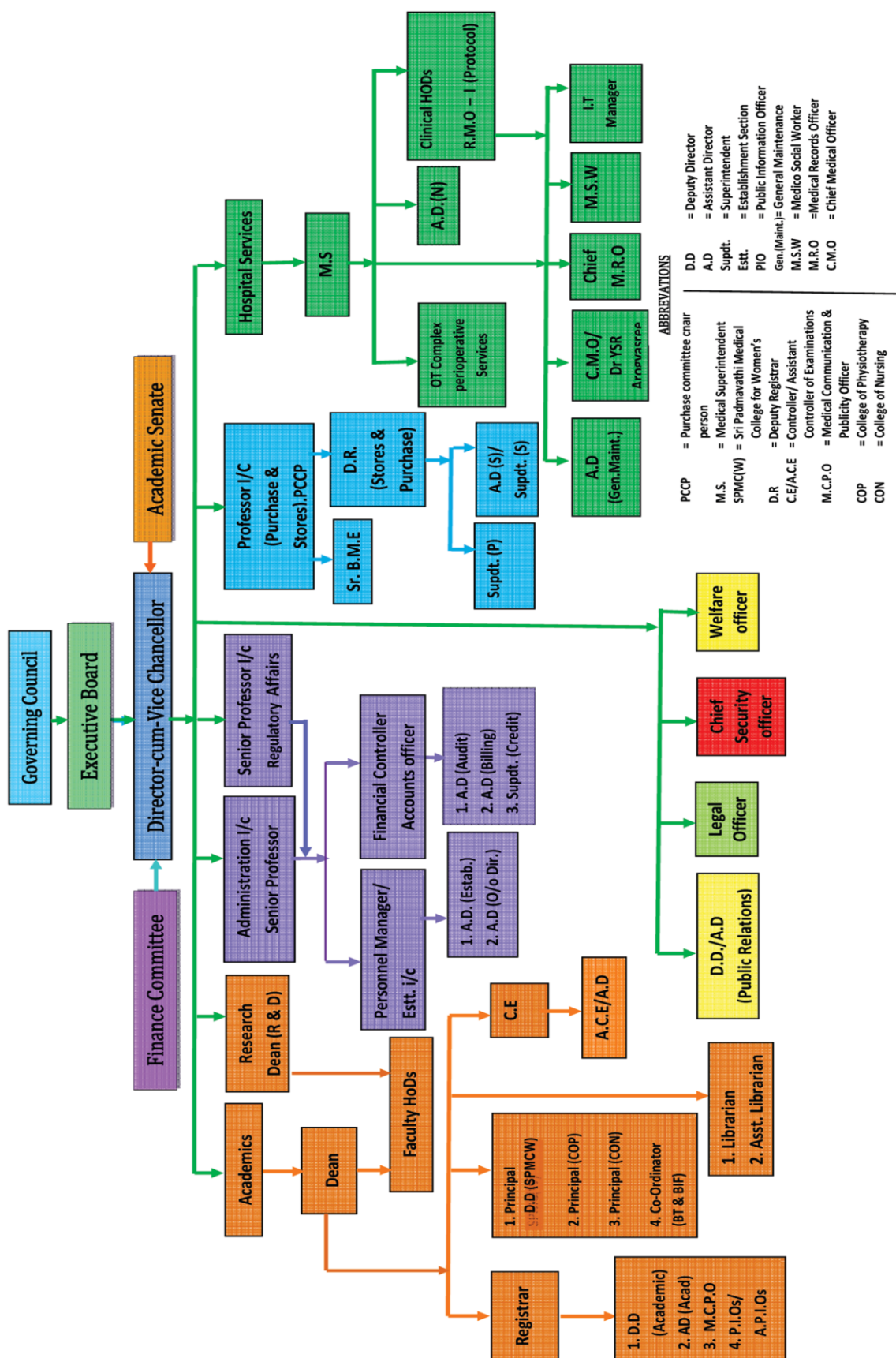
- ★ “SVIMS family”
- ★ First in Service.....Best in Practice
- ★ Punctuality
- ★ Ownership & Loop closure
- ★ Stakeholder experience to guide progress
- ★ Quality, Accountability & Transparency

Objectives of the Institute

The objectives of Sri Venkateswara Institute of Medical Sciences, Tirupati are:

- ◆ To create a centre of excellence for providing medical care, education and research facilities of a high order in the field of medical sciences in the existing super-specialities and such other super-specialities as may develop in future, including continuing medical education and hospital administration.
- ◆ To provide the state of the art medical training in Undergraduate, Post Graduate and in Super specialities so as to set a high standard of medical education.
- ◆ To provide for training in paramedical and allied sciences, including inter-disciplinary fields of physical and biological sciences.
- ◆ To render service for community health care education needs and to function as a referral hospital.

SRI VENAKATESWARA INSTITUTE OF MEDICAL SCIENCES::TRUPATI ORGANIZATIONAL SETUP



Sri Venkateswara Institute of Medical Sciences

(A University Established by Andhra Pradesh State Legislature)

Tirumala Tirupati Devasthanams, Tirupati.

Ph: 0877-2287777, 2287152, 2288002, 2287166, 2286115

Fax : 2286803, 2288002, 2286116

E-mail: svimsdirector@gmail.com, svimsdean@gmail.com, svimsregistrar@gmail.com,

Published by

Editor-in-Chief

Dr B. Vengamma

Director-cum-Vice Chancellor

Editorial Board

Dr M. Hanumantha Rao

Dean

Dr Alladi Mohan

Professor & Head, Department of Medicine

Member-Secretary

Dr V. Suresh

Professor,
Dept. of Endocrinology

Dr KV. Sreedhar Babu

Professor & Head
Dept. of Transfusion Medicine

Dr K. Nagaraj

Professor & Head
Dept. of Community Medicine

Dr R.Arun

Assoc. Professor,
Dept. of Transfusion Medicine

Dr Madhu Babu D S

Assoc. Prof.
Dept. of Dental Surgery

Dr Abhijit Chaudhary

Professor Dept. of Microbiology

Mr D.V. Dilip Kumar

Deputy Director (Academic)

Mr. S.V.V.S. Prasad

Accounts Officer

Press Information

Dr Y. Venkatarami Reddy, Dy. Director (PR)

Mr. V. Rajasekhar, Asst. Director (PR)

Designing & Photography

Mr. V. Sudarsan, MCPO

Mr. C.R. Nagaraja, Sr. Artist

Mr. Venkatesh, Photo Asst.

Mr. D. Hari, Photo Asst.

Secretarial Assistance

Ms. G. Bhagyasree, Asst. Director

Ms. G. Sailaja, Superintendent

Ms. M. Indrani, Office Assistant

Mr. A. Balarama Reddy, Office Assistant

Mr. A. S. Ekambara Kumar, Office Assistant

Ms. M. Sravani, Office Assistant

Mr. D. Babu, Office Assistant

Mr. V. Guna Sekhar, Office Assistant

Ms. P. Bharathi, Office Assistant

Ms. P.Sujatha, Office Assistant

CONTENTS

	Page No.
I Academic activities	
1.0 Introduction	12
1.1 Courses offered	12
1.2 SVIMS, Sri Padmavathi Medical College for Women	14
1.3 College of Nursing	19
1.4 College of Physiotherapy	19
1.5 Basic Life Sciences	19
1.6 Permission and recognition for the courses by MCI	20
1.7 Students enrollment for the academic year 2019-20	20
1.8 Scholarships	23
1.9 Hostels	23
1.10 Quarters	24
2.0 Examination activities	24
2.1 Examination results final year (Regular and Supplementary)	24
2.2 Best outgoing students (2018-19)	25
2.3 Medals / Merit certificates awarded	25
2.4 Entrance Examination	25
3.0 Enhanced services at SVIMS	26
3.1 CPR	26
3.2 Pink Bus	26
4.0 Recognitions for SVIMS contributions	27
4.1 Awards	27
4.2 Honors and key assignments	31
5.0 Visitors to SVIMS	33
6.0 Activities at SVIMS	36
6.1 Institute day celebrations	36
6.2 Orations organized	38
6.3 Guest lectures & Seminars	40
6.4 Academic programme calendar for the year 2020	41
6.5 Academic committees	43
6.6 Events at SVIMS	57
6.7 Sports report	72
6.8 UNIFEST - 2019	73
6.9 Quality & Patient Safety	74
7.0 International Teletrauma Grand round	74
II Patient Care Services	
1.0 Out-patient and in-patient services	76
1.1 SVIMS App	79
1.2 SVIMS Clinic	79
1.3 Dr YSR Arogyasree	84
1.4 Sri Venkateswara Pranadana Scheme	87
1.5 Juvenile diabetes camps	80
1.6 Rural health camps	90
1.7 Medical Camps	90
1.8 Epilepsy Camps	91
1.9 Revised National Tuberculosis Control Program (RNTCP)	91
1.10 Integrated Counselling and Testing Centre (ICTC)	91
1.11 Infection Control Committee	91
1.12 Mortality and Morbidity Review Meeting	92
1.13 New facilities and services added	93

III. Workshops / CMEs/ Clinical meetings /Clinico Pathological correlation organized at SVIMS	
1.0 Workshops	96
2.0 Guest Lecturer	96
3.0 Conferences	96
4.0 C.M.E. Programmes	96
5.0 Clinical Meeting	105
6.0 Clinico Pathological Correlation (CPC)	112
IV. Research Activities	
1.0 Abstracts of the publications	114
2.0 Research projects	180
3.0 Journal of Clinical and Scientific Research	183
V. Human Resource Development	
1.0 Degrees conferred	186
2.0 Training to the students of other institutions	192
3.0 Establishment section activities	199
VI. Finance & Accounts (2018-19)	
1.0 Institute Finance	208
2.0 Balance sheet	208
3.0 Concessions given to the patients	209
4.0 Donations received	209
5.0 Funds received from Tirumala Tirupati Devasthanams	218
6.0 Treatment on credit	219
VII. Departmental Information	
1.0 Anaesthesiology	222
2.0 Anatomy	226
3.0 Biochemistry	228
4.0 Bioinformatics	234
5.0 Biotechnology	239
6.0 Cardiology	239
7.0 Cardiothoracic Surgery	252
8.0 Community Medicine	255
9.0 Dental Surgery	259
10.0 Dermatology	260
11.0 Emergency Medicine	261
12.0 Endocrinology	262
13.0 Forensic Medicine	265
14.0 General Surgery	266
15.0 Haematology	268
16.0 Medical Oncology	269
17.0 Medicine	270
18.0 Microbiology	276
19.0 Nephrology	280
20.0 Neurology	282
21.0 Neurosurgery	286
22.0 Nuclear Medicine	290
23.0 Obstetrics & Gynecology	293

24.0	Ophthalmology	293
25.0	Otorhinolaryngology	294
26.0	Paediatrics	295
27.0	Pathology	296
28.0	Pharmacology	299
29.0	Physiology	303
30.0	Psychiatry	305
31.0	Plastic Surgery	306
32.0	Radio Diagnosis	307
33.0	Radiotherapy	311
34.0	Rheumatology	313
35.0	Surgical Gastro Enterology	314
36.0	Surgical Oncology	316
37.0	TB & RD	317
38.0	Transfusion Medicine	318
39.0	Urology	321
40.0	College of Nursing	324
41.0	College of Physiotherapy	331

VIII. Central Facilities

1.0	IT Department	338
2.0	Central library	339
3.0	Central Research laboratory	340
4.0	Right to information Act (RTI)	340
5.0	Animal house	340
6.0	Adverse Drug Reaction Monitoring Centre	341
7.0	Balamithra creche	343
8.0	Engineering works (2019-20)	344
9.0	Purchase section	348
10.0	Dietary Services	352

IX. Statutory bodies 354

X. Administrative set-up 358

XI. SVIMS in News 360

In exercise of the powers conferred by Rule 29 of Act No.12 of 1995 of Andhra Pradesh State legislature, the annual report of the activities of the institute during the year 2019 is prepared.

Director-cum-VC: 0877 - 2287152, Fax : 2286803
E-mail: svimsdirector@gmail.com

Dean : Tele Fax : 0877 - 2288002
E-mail: svimsdean@gmail.com

Registrar: 0877-2287166
E-mail: svimsregistrar@gmail.com

Medical Superintendent: 0877-2286115, Fax: 2286116
E-mail: mssvims@gmail.com



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



I ACADEMIC ACTIVITIES



I Academic Activities

INTRODUCTION

Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati, established in the year 1993, under the aegis of Tirumala Tirupati Devasthanams, as a modern super speciality hospital, was granted the status of a university in the year 1995 by an act of A.P. state legislature vide act no.12 of 1995.

The institution, spread in 107.04 acre campus, is gradually growing into a prestigious university. Today, SVIMS has 37 super/broad speciality medical departments, three colleges and two inter-disciplinary departments is developing into a centre of excellence in providing medical care, education and research activities of a high standard in the field of medical and other allied sciences including inter-disciplinary fields of physical and biological sciences. In addition to these, SVIMS also provides training in para-medical and allied fields, particularly related to super-specialties.

The Institution is recognized by the University Grants Commission (UGC) under section 12 (B) of the UGC act, 1956, and the Medical Council of India (MCI) granted permission and later recognition to start MBBS, MD, DM/M.Ch. courses in various specialties.

At present, the institute is offering 70 academic programs. The total students strength in the campus is 2170.

1.1 Courses offered

Faculty	Courses	No. of seats	Duration (Yrs)
Modern Medicine	MBBS	175	5 ½
	Broad-specialties		
	MD-Medicine	9	
	- Pathology	2	
	- Biochemistry	1	
	- Microbiology	1	
	- Anaesthesiology	9	3
	- Transfusion Medicine	1	
	- Radiotherapy	3	
	- Radio diagnosis	7	
	- Nuclear Medicine	4	
	- Emergency Medicine	2	
	- General Surgery (From a.y. 2020-21)	4	
	Super-specialties		
	DM-Cardiology	4	
	- Nephrology	2	
	- Endocrinology	2	
	- Medical Oncology	2	
	- Neurology	3	3
	MCh- Cardiothoracic Surgery	4	
	- Neurosurgery	3	
	- Urology	4	
	- Surgical Oncology	2	
	- Surgical Gastroenterology	1	
	Fellowship Certificate Courses		1
	- Surgical Gastroenterology	5	
	- Head & Neck Oncology	1	
	- Endocrinology	1	

	N.C. Gupta Pulmonary Fellow	1	6 months
	Certificate Courses for Medical Graduates - Emergency Medicine	4	1
PhD	PhD Programmes in Anatomy, Anesthesiology , Biochemistry, Biotechnology, Bioinformatics, Cardiology, Cardiothoracic Surgery, Medicine, Endocrinology, Microbiology, Neurology, Neurosurgery, Nursing, Physiology, Surgical Oncology, Physiotherapy	No. of seats depends upon the avail-ability of vacancies	3-5
Basic Medical Sciences	Postgraduate courses - MSc (Medical) in - Anatomy - Physiology - Microbiology - Biochemistry <i>Abolished from the a.y. 2020-21</i>	3 2 3 3	3
Nursing	BSc Nursing MSc Nursing Post Basic Diploma in Nursing - Cardiac Intensive Care and Catheterization Laboratory Nursing - Cardiothoracic Surgery - Peritoneal Dialysis - Hemo Dialysis - Renal Transplantation	110 33 6 6 2 2 2	4 2 1
Physiotherapy	BPT MPT	55 17	4 ½ 2
Allied health sciences	BSc Paramedical - Medical Laboratory Technology (MLT) - Anaesthesiology Technology(AT) - Neurophysiology Technology (NPT) - Radiography & Imaging Technology (RIT) - Dialysis Technology (DT) - Nuclear Medicine Technology (NMT) - ECG & Cardiovascular Technology (CVT) - Cardiac Pulmonary Perfusion Technology(CPPT) - Emergency Medical Services Technology (EMST)	22 13 4 10 7 3 9 2 4	4
	PG Degree (MSc) - Echocardiography - Cardiac Catheterization Intervention Technology - Dialysis Technology	1 1 2	2
	PG Diploma - Dialysis Technology - Medical Records Science Diploma - Radiotherapy Technology (DRT)	9 9 4	
Life Sciences	MSc - Biotechnology - Bioinformatics	17 17	2

1.2 SVIMS, Sri Padmavathi Medical College for Women

SVIMS-Sri Padmavathi Medical College for Women was started in the year 2014 and completed five successful years with intake of 150 students each year and now the college is in the 6th year with an intake of 175 students during the academic year of 2019-20, with a hike of 25 seats due to implementation of reservations to the new EWS category. The college is one of the reputed institutions in Andhra Pradesh with good teaching faculty, infrastructure to impart teaching and training to the students.

The foundation stone for college building was laid by the then Hon'ble Chief Minister of Andhra Pradesh on 20-11-2013 and after completion of the construction, the college building was formally inaugurated by the then Hon'ble Chief Minister of Andhra Pradesh on 16-12-2016.

The recognition of MBBS course of SVIMS-Sri Padmavathi Medical College for Women for award of MBBS degree (150 students) granted by SVIMS University on or after January, 2019 was approved by the Board of Governors in Supersession of Medical Council of India u/s 11(2) of the IMC Act, 1956 vide Endst.No.MCI-34(41)(R-6)/2018-Med./187199, dated 13-03-2019.

SVIMS- Sri Padmavathi Medical College for women Hospital: SVIMS-Sri Padmavathi Medical College for women hospital has been constructed by APMSIDC with an estimated cost of Rs.98.86 crores with 650 bed strength and was inaugurated by the Hon'ble President of India, Sri Ram Nath Kovind on 01.10.2017.

The OP & IP services in the specialties of Endocrinology, General Medicine, General Surgery, Obstetrics & Gynecology, Paediatrics, Haematology, Ophthalmology, E.N.T., Dermatology, Dental Surgery, TB & Chest diseases and Psychiatry are presently being run in the new hospital building.

College council: The college council was constituted comprising the Head of the departments, Controller of Examinations, Member from Library Committee, Deputy Director & Physical Director as members and Principal as Chairperson. The objectives of the college council is to draw up the details of curriculum and training programme, enforcement of discipline, other academic matters and welfare of the students. The council is planned to organize interdepartmental meetings like grand rounds, statistical meetings, clinico-pathological meetings and periodical research review in the institution regularly.

The College Council meetings for the year 2019 were held on the following dates with regard to the following subjects: 19th January, 2019 - Student related subjects; 18th October, 2019 - College related issues; 21st November, 2019 - Fixation of Timetable as per new curriculum for MBBS (Batch 2019-20) and on 6th December, 2019 - To discuss on preparation of Academic Calendar for 2020.



The college council members are as follows:

S.No.	Name of the Officers/Faculty	Designation
1.	Dr Sharan B Singh.M, Principal, SVIMS-SPMCW	Chairman
2.	All the Heads of the Departments and Professors of SVIMS-SPMCW	Members
3.	Dr N.Adikrishnaiah, Deputy Director, SVIMS-SPMCW	Member (One official from Administration)
4.	Dr K.Umamaheswara Rao, Controller of Examinations	Member
5.	Dr K.V. Sreedhar Babu Professor & Head of Transfusion Medicine	Member from Library Committee
6.	Dr V.Vanajakshamma Professor, Dept. of Cardiology & Chief Warden, SPMCW	Member

The Anti ragging committee was constituted as per guide lines of Supreme Court of India, MCI and UGC norms.

Anti ragging Committee members are as follows:

S. No.	Name of the Officers/ Faculty	Designation	Ph/ Mobile No.
1.	Dr Sharan B Singh.M Principal, SVIMS, SPMCW deansvimsspmc@gmail.com	Chairman	0877-2288442 9493547651
2.	Dr K. Umamaheswara Rao Prof. & Head, Dept of Pharmacology	Co-ordinator	9849832292
3.	Dr Alladi Mohan Vice-Principal (Clinical), SVIMS, SPMCW	Member	9493547679
4.	Dr Aparna R. Bitla Vice-Principal (Pre-Clinical), SVIMS, SPMCW	Member	9440723561
5.	Dr V.Vanajakshamma Professor, Dept. of Cardiology & Chief Warden, SPMCW	Member	9493547668

6.	Dr K. Bhaskar Reddy Prof. & Head, Dept. of Forensic Medicine	Member	9866197877
7.	Ms.K.Monica, 3rd year MBBS, SVIMS, SPMCW	Member	8179830737
8.	Ms.Yuktha Reddy.P 2nd Year MBBS, SVIMS, SPMCW	Member	7013600430
9.	Ms.Sarika, 2nd year MBBS, SVIMS, SPMCW	Member	9989899780
10.	Ms.T.Sai Sharanya, 1st Year MBBS, SVIMS, SPMCW	Member	9885265007

The above committee conducted awareness programme by inviting external members 1.Dr Sudhakar, DSP and 2. Mrs.Subhashini, Advocate and guided the students on prevention of ragging for 2018-19 and 2019-20 batch students on 2nd August,2019

Further, Cyber Mithra meeting was held on 10.12.2019 @ 4:30 to 6:00 P.M. at Lecture Gallery-I, SVIMS-SPMCW addressed by Shri Gajarao Bhupal, IPS, Superintendent of Police, Tirupati Urban District, Mr. Ravikumar, DSP, Cyber Crimes and their team on “Cyber Crimes and atrocities against Women”.

Anti Ragging Committee as Per UGC

Committee	Faculty	In charges & Members	Cell No.
Help Desk	1. Dr K. Bhaskar Reddy, Professor & HoD of Forensic Medicine	Incharge	9866197877
	2. Mr. N.Adikrishnaiah, Deputy Director, SVIMS, SPMCW	Member	9493372895
	3. Mr. K. Bhupal, Superintendent, SVIMS, SPMCW	Member	9441608030
Anti Ragging Squad	1. Dr C.Sreekanth, Associate Professor, SVIMS, SPMCW	In charge	7075969193
	2. N. Sharvani, Associate Professor of Physiology	Member	9866248014
	3. B. Vijaya Bhaskar, Security Officer, SVIMS	Member	9398460072
Monitoring Committee of Anti Ragging	1. Dr K. Umamaheswara Rao, Professor & HoD of Pharmacology	Incharge	9849832292
	2. Dr Arpana Bhide, Assistant Professor of Physiology	Member	7382629700
	3. Dr K. Prathibha, Assistant Professor of Anatomy	Member	9885222970
Anti ragging Cell	1. Dr K. Nagaraj Professor & HoD of Community Medicine	Incharge	9441239836
	2. Dr Anju D. Ade, Associate Professor of Community Medicine	Member	9100510732
	3. Dr Suchithra, Associate Professor of Biochemistry	Member	9493547665
Emergency Call unit	1. Dr Sharan B Singh.M, Principal, SVIMS, SPMCW	Incharge	9490593060
	2. Dr Alladi Mohan, Vice-principal (Clinical)	Member	9493547679
	3. Dr Aparna R. Bitla, Vice-principal (Pre-clinical)	Member	9493547664

Annual Report 2019

Pharmaco Vigilance Committee:

The Pharmaco vigilance committee is constituted to monitor and analyze sentinel events, accidents and formulate adverse drugs policy to prevent, report and analyze the adverse events within the hospital through a robust ADR reporting system.

Committee members:

- | | |
|-----------------------------|---------------------|
| 1. Principal, SVIMS-SPMC(W) | Chairman |
| 2. Medical Superintendent | Co-Chairman |
| 3. Dr K.Umamaheshwara Rao | Co-ordinator |
| 4. Dr K.Vijayachandra Reddy | Deputy Co-ordinator |
| 5. Dr Katyarmal | Member |

- | | |
|-------------------------|--------|
| 6. Dr Y.Mutheeshwaraiah | Member |
| 7. Dr K.R.Subash | Member |
| 8. Dr N.Punith patak | Member |
| 9. Dr A.Surekha | Member |
| 10. Mrs.Prabhavathi | Member |
| 11. Dr U.Jhansi Rani | Member |

Institutional animal ethics committee:

The Animal House Facility of Sri Venkateswara Institute of Medical Sciences, Tirupati has been registered with CPCSEA for Research for Education purpose on small Animal, bearing registration number 2036/GO/Re/S/18/CPCSEA. The registration is valid for five years from 28-09-2018 to 27-09-2023. The members of the committee are:

S.No.	Name of the member	Position	Phone	Email Ids
1.	Dr Sharan B Singh .M Principal, SVIMS, SPMCW	Chairman	9490593060	sharansreesid@gmail.com
2.	Dr K.Umamaheswara Rao Professor & Head, Pharmacology	Scientist from different discipline (NA)	9849838892	Kavetimahesh40@gmail.com
3.	Dr K.R.Subhash, Associate Professor of Pharmacology	Biological Scientist (Member Secretary)	9642996666	subbu2207@yahoo.com
4.	Dr R.V.Suresh Kumar Professor of Surgery & Radiology, College of Veterinary Sciences, Tirupati	Veterinarian	9849202540	rvsuresh123@gmail.com
5.	Dr P.V.G.K. Sharma Assoc. Professor of Biotechnology	Scientist In charge of Animal House	9550882641	pvgksarma@gmail.com
6.	Prof. K.Sathyavelu Reddy, Professor, Dept. of Zoology, S.V.U. College Sciences, S.V. University.	Main Nominee	9849023339	sathyakreddy56@gmail.com
7.	Prof.R.Nagaraju, Professor& Principal, Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati	Link Nominee	9440179194	profnagaraju@gmail.com
8.	Dr Santhrani Thakur Professor, Institute of Pharmaceutical Technology, Sri Padmavati Mahila University	Scientist from outside of the Institute	9849077507	drsanthrani@gmail.com
9.	Prof. Y.V.Rami Reddy S.V.University, Tirupati	Socially aware Nominee	9440450108	dryvrsvu@gmail.com

Curriculum committee:

This committee is constituted as per the MCI guidelines with the specialists from the following fields as members for implementation of attitudinal & communication competencies (ATCOM module) for Indian medical graduate.

Chairman	Dr Sharan B Singh.M, Principal
Pre-Clinical Member	Dr Aparna R Bitla, Prof. Dept. of Biochemistry
Para-clinical Member	Dr Amit Kumar Chowhan, Assoc.Prof, Dept. of Pathology
Clinical Medicine & Allied specialties	Dr Alladi Mohan, Professor & HOD, Dept. of Medicine
Clinical surgery & Allied specialties	Dr Y.Mutheeswaraiyah, Professor & HOD, Dept. of General Surgery
MEU Secretary	Dr B.Srihari Rao, Prof. Dept. of General Surgery

Dr Abhijit Chaudary, Professor of Microbiology is nominated as Co-ordinator for Integrated teaching programme. Horizontal and vertical integrated teaching programmes are conducted for benefit of the students apart from their regular prescribed syllabus. Feedback from the students being collected at the end of each programme and also test the student grasping on the specific topic by conducting MCQ test.

Medical Education Unit (MEU):

The Medical Education Unit for SVIMS, SPMCW is constituted with the following members:

Advisors:

1. Dr B.Vengamma Director Cum VC
2. Dr M.Hanumantha Rao Dean, SVIMS
3. Dr K.Nagaraj Professor & HoD of Community Medicine

Members:

1. Dr Sharan B Singh.M Chairman
Principal, SVIMS, SPMCW
2. Dr B.Srihari Rao Co-ordinator
Professor of General Surgery
3. Dr Alladi Mohan Convener
Vice-Principal (Clinical)

4. Dr N. Sharvani Member
Associate Professor of Physiology
5. Dr K.Umamaheswara Rao Member
Professor & HoD of Pharmacology
6. Dr M.M. Suchithra Member
Associate Professor of Bio-Chemistry
7. Dr Amit Kumar Chowhan Member
Associate Professor of Pathology
8. Dr R.Arun Member
Associate Professor of Transfusion Medicine
9. Dr V. Sivanandh Member
Associate.Prof of Psychiatry
10. Dr Arpana Bhide Member
Associate Prof. of Physiology
11. Dr D.S.Sujith Kumar Member
Associate Prof. of Community Medicine

The Medical Education Unit (MEU) conducted Revised Basic Course workshop (RBCW) for training of the faculty for 3 days from 24th June 2019 to 26th June, 2019 and Curriculum Implementation Support Programme (CISP) for 3 days from 27th June 2019 to 29th June 2019. Further, Medical Education Unit conducted awareness programme to the faculty through the workshop on Competency Base Medical Education (CBME) on 24th October 2019.

The Medical Education Unit activities for the year 2019 as follows:

1. The Horizontal Integrated Teaching Programme for 1st MBBS (2018-19 batch) was held on 19-01-2019, 23.03.2019, 13.04.2019 & 04.05.2019.
2. The Vertical Integrated Teaching Programme for 2015-16 batch and 2016-17 batch was held on 23-03-2019, 13-04-2019, 27-04-2019, 08-06-2019, 29-06-2019, 13-07-2019, 27-07.2019, 24-08-2019, 07-09-2019 and 28-09-2019.
3. The Orientation Programme for 1st MBBS Course 2019-20 batch was held on 01.09.2019.
4. The foundation Course for 1st MBBS Course 2019-20 batch was held from 01.09.2019 to 30.09.2019.

Students Awards and achievements:

1. 2016-17 batch student namely T. Pooja sree got selected for ICMR – STS (Short Term Studentship) – 2018 programme. Research was done under the guidance of Dr Sharan B. Singh M, Professor, Physiology Department, SVIMS, Sri Padmavathi Medical College for Women. Research paper titled “Comparative study to assess the role of yoga practice on the blood glucose levels of Diabetes Mellitus type 2 patients in Tertiary care institution, Tirupati” was published in Journal – IJIMS (International Journal of Integrative Medical Sciences) Volume 6, issue – 2, 2019.
2. 2016-17 batch student namely MVV. Preetika got selected for ICMR – STS (Short Term Studentship) – 2018 programme. Research was done under the guidance of Dr Abhijit Chaudhury, Professor, Microbiology Department, SVIMS, Sri Padmavathi Medical College for Women. Research paper titled “Nasal carriage of antibiotic resistant staphylococci among undergraduate medical students, with special reference to methicillin resistant staphylococcus aureus.”
3. 2016-17 batch student namely A. Sri Aryavalli got selected for ICMR – STS (Short Term Studentship) – 2018 programme. Research was done under the guidance of Dr Ravi Shankar, Assistant Professor, Community Medicine Department, SVIMS, Sri Padmavathi Medical College for Women. Research paper titled “Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea in government high schools in Tirupati Town-A Cross sectional Study.”
4. 2017-18 batch student namely Putta Yuktha presented a case of parathyroid carcinoma in OSMECON, Osmania medical college, Hyderabad under the guidance of Dr Y.Mutheeswariah, HOD - Department of General Surgery, and won second prize.
5. 2017-18 batch students N.vineesha and Shaik Apsana participated in poster competition conducted by Department of Community Medicine on world health day in SVIMS - Sri Padmavathi Medical College, Tirupati and won first prize.
6. 2017-18 batch students namely K Aishwarya Reddy, B Bonny Rishitha and D Krishna Priya participated in Rangoli competition held by SVIMS for UNIFEST and won first prize.
7. 2017-18 batch students namely, B Bonny Rishitha, B.Noshitha, B.A.Siri Chandana, M.Nikitha, D.Krishna Priya, B.Bhavishya, V. Govardhana Leela, K.Vijetha participated in folk dance competition for UNIFEST and won second prize.

MBBS ADMISSIONS during the Academic Year 2019-20:

MBBS Admissions during the year 2019-20 (Female) caste wise details:

Sl.No.	Course	Intake	OC		BC	SC	ST	PHC	Minority	Total
			OC	EWS						
1.	MBBS	175	65	14	53	24	8	1	10	175

Scholarships

The eligible students who belong to SC/ST/BC/EBC/Minority are getting scholarships from the government of Andhra Pradesh through the respective authorities of welfare departments. For the year 2019, an amount of 92,98,000/- was released to the beneficiaries as detailed below:

S.No.	Student Category	No. of students benefited	Amount sanctioned ()
01.	SC	37	21,84,000
02.	ST	8	2,02,400
03.	BC	84	49,29,200
04.	EBC (OC)	94	8,73,600
05.	Minority	16	11,08,800
	TOTAL	239	92,98,000

1.3 College of Nursing

The College of Nursing was established in the year 1996 with an objective of providing graduate & postgraduate teaching and for research in the relevant disciplines of modern nursing. The courses offered are BSc (N), MSc (N) and PhD. The college has infrastructure with well equipped laboratories, advanced teaching and learning activities. The intake of students for BSc (N) is 110 and MSc (N) is 33 in each academic year.

1.4 College of Physiotherapy

The College of Physiotherapy was established in the year 1998. The college offers graduate and postgraduate courses in physiotherapy. The intake of students in BPT is 55 and MPT is 17 in each academic year. The patient services include in-patient and out-patient services and special services through obesity clinic, pain clinic, paediatric clinic, advanced physiotherapy, ergonomics & life style modification.

1.5 Basic Life Sciences

i) Biotechnology

The Department of Biotechnology was established in 2003. It offers two courses, MSc (Biotechnology) and PhD. The department has developed cardiomyocytes from human CD 34+ stem cells. The successful students have been absorbed in industrial organizations, who are leaders in production of drugs, vaccines, etc. The students have also been selected in various national level examinations like, Biotechnology Consortium India Ltd. (BCIL), Council of Scientific and Industrial Research (CSIR), Graduate Aptitude Test in Engineering (GATE), Indian Council of Medical Research (ICMR) etc. The intake of students for MSc Biotechnology is 17 in each academic year.

ii) Bioinformatics

The Department of Bioinformatics was established in 2003. SVIMS is first of its kind to start PG course in Bioinformatics in Andhra Pradesh. The Department of Biotechnology (DBT), Ministry of Science and Technology has approved the Bioinformatics centre, Bioinformatics infrastructure facility. The centre has undertaken research projects sanctioned by DBT. It has four positions of studentship/ traineeship sponsored by DBT. The intake of students for MSc Bioinformatics is 17 in each academic year. The department was shifted to 1st floor of Center for Advance Research (CfAR) building.



1.6 Permission and recognition for the courses by MCI

MCI inspections were held for the following academic programmes:

S.No	Name of the course	Purpose	Date	Result
1.	DM- Medical Oncology	Renewal of Recognition	12.08.2019	Recognized
2.	MCh-Surgical Oncology	Renewal of Recognition	07.08.2019	Recognized
3.	MCh-Surgical GE	Renewal of Recognition	30.07.2019	Recognized
4.	MS- General Surgery	Permission to start the course	10.01.2020	Permitted

1.7 Student enrollment for the academic year 2019-20

Admission procedure

MBBS course: The 6th batch (2019-20) of 175 students were admitted as follows:

1. All India Quota: 15% 26 seats were filled by the Medical Counseling Committee (MCC), DGHS, Govt. of India
2. NRI category: 13% 23 seats were filled by Dr NTRUHS, Vijayawada.
3. Merit category: The remaining 126 seats were filled by Dr NTRUHS, Vijayawada.

PG courses (MD): For 39 seats in 10 broad specialities, admissions are made for 50% of seats through All India quota will be filled for Medical Council Committee, DGHS, Govt. of India & 50% seats State quota will be filled by Dr NTRUHS with SVU Region Candidates as per G.O.MS.No.129, dt: 08-08-2013.

PG super speciality courses (DM/ MCh): For 27 seats in 10 specialities, admissions are made by Medical Counseling Committee, DGHS, Govt. of India based on NEET- Super Specialty (SS) ranks declared by NBE on All India basis.

For rest of the courses i.e. UG, PG in Nursing, Physiotherapy, Allied Health Sciences, Life sciences, Fellowship / Certificate courses, PhD Programme admissions are made for SVIMS by inviting applications from the eligible candidates of A.P/ Telangana. The University received 2021 applications for various courses and admissions were made on the basis of the marks secured in the qualifying examination except M.Sc Nursing & M.Sc courses basing on merit in the entrance test conducted by SVIMS.

The academic calendar started in August, 2019 for all the courses except PG Medical (MD) courses in May 2019, MBBS in August 2019 and Nursing programmes in October 2019.

For the academic year 2019-20, 592 students were admitted against 637 seats offered in various academic programmes with enrollment of 93%. The details of students admitted in each course is as follows:

1. Modern Medicine

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	MBBS	175	-	79	-	53	-	24	-	8	-	1	-	10	-	175	175
2	PG courses	39	3	9	6	10	2	3	2	1	-	-	-	-	14	22	36
	Anaesthesiology	09	-	2	2	2	1	1	1	-	-	-	-	-	4	5	9
	Biochemistry	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1
	Microbiology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medicine	09	1	3	1	2	1	-	-	1	-	-	-	-	3	6	9
	Pathology	02	1	-	-	-	-	1	-	-	-	-	-	-	1	1	2
	Transfusion Medicine	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1

3	Radiotherapy	03	-	1	-	2	-	-	-	-	-	-	-	-	-	3	3
	Radio-diagnosis	07	1	1	2	2	-	-	1	-	-	-	-	-	4	3	7
	Nuclear Medicine	04	-	1	1	-	-	-	-	-	-	-	-	-	1	1	2
	Emergency Medicine	02	-	1	-	-	-	1	-	-	-	-	-	-	1	1	2
	DM courses	13	5	6	2	-	-	-	-	-	-	-	-	-	7	6	13
	Cardiology	04	3	-	1	-	-	-	-	-	-	-	-	-	4	-	4
	Neurology	03	1	2	-	-	-	-	-	-	-	-	-	-	1	2	3
	Nephrology	02	1	1	-	-	-	-	-	-	-	-	-	-	1	1	2
	Endocrinology	02	-	2	-	-	-	-	-	-	-	-	-	-	-	2	2
	Medical Oncology	02	-	1	1	-	-	-	-	-	-	-	-	-	1	1	2
4	MCh courses	14	7	-	-	1	1	-	-	-	-	-	-	-	8	1	9
	Cardiothoracic Surgery	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neurosurgery	03	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2
	Urology	04	3	-	-	-	1	-	-	-	-	-	-	-	4	-	4
	Surgical Oncology	02	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2
	Surgical GE	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1
5	Fellowship Certificate courses	07	2	-	3	-	-	1	-	-	-	-	-	-	5	1	6
	Surgical GE	05	1	-	3	-	-	1	-	-	-	-	-	-	4	1	5
	Head & Neck Oncology	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	Endocrinology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N.C Gupta Pulmonary Fellow	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
6	Certificate course for Medical graduates - Emergency Medicine	04	-	-	-	1	-	-	1	-	-	-	-	-	1	1	2
Total Students:		253	18	94	11	65	3	28	3	9	-	1	-	10	35	207	242

2. Ph.D Programmes

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
7	PhD	06	1	1	-	1	-	-	2	-	-	-	-	1	3	3	06
	Cardiology	01	-	1	-	-	-	-	-	-	-	-	-	-	-	1	01
	Medicine	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	01
	Physiotherapy	03	-	-	-	1	-	-	1	-	-	-	-	1	1	2	03
	Radiotherapy	01	-	-	-	-	-	-	1	-	-	-	-	-	1	-	01
	Total students:	06	1	1	-	1	-	-	2	-	-	-	-	1	3	3	06

3. Life sciences, paramedical and allied health sciences courses

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
8	BSc (N)	110	2	19	4	42	1	23	-	11	-	-	-	7	7	102	109
9	BPT	55	2	14	6	17	3	6	2	1	-	-	1	3	14	41	55

Annual Report 2019

10	BSc (Para medical)	74	5	11	5	33	4	10	4	2	-	-	-	-	18	56	74
	AT	13	-	3	2	5	1	1	1	-	-	-	-	-	-	-	13
	MLT	22	1	4	-	9	2	4	2	-	-	-	-	-	-	-	22
	CVT	09	-	1	-	5	-	1	1	1	-	-	-	-	-	-	9
	NPT	04	1	-	-	2	-	1	-	-	-	-	-	-	-	-	4
	RIT	10	1	2	-	5	-	1	-	1	-	-	-	-	-	-	10
	NMT	03	1	-	1	1	-	-	-	-	-	-	-	-	-	-	03
	DT	07	1	1	1	2	-	2	-	-	-	-	-	-	-	-	07
	CPPT	02	-	-	-	2	-	-	-	-	-	-	-	-	-	-	02
	EMST	04	-	-	1	2	1	-	-	-	-	-	-	-	-	-	04
11	MSc (N)	33	1	4	1	9	1	5	1	-	-	-	-	-	4	18	22
12	MPT	17	-	4	2	3	1	4	1	-	-	-	-	2	4	13	17
13	M.Sc.,	38	1	8	6	8	2	4	1	1	-	-	-	-	10	21	31
	Biotechnology	17	1	3	2	5	2	3	-	1	-	-	-	-	5	12	17
	Bioinformatics	17	-	4	3	3	-	1	1	-	-	-	-	-	4	8	12
	Echocardiography	01	-	1	-	-	-	-	-	-	-	-	-	-	-	1	01
	Cardiac Catheterization Intervention Technology	01	-	-	1	-	-	-	-	-	-	-	-	-	1	-	01
	Dialysis Technology	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	M.Sc., Medical	11	1	3	2	1	1	-	-	-	-	-	-	-	4	4	08
	Anatomy	03	1	1	-	-	1	-	-	-	-	-	-	-	2	1	03
	Physiology	02	-	-	1	1	-	-	-	-	-	-	-	-	1	1	02
	Biochemistry	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Microbiology	03	-	2	1	-	-	-	-	-	-	-	-	-	1	2	03
15	Post Basic Diploma in Nursing	18	1	4	1	7	-	4	1	-	-	-	-	-	3	15	18
	Cardiac Intensive Care & Catheterization Lab.	06	1	-	-	3	-	1	1	-	-	-	-	-	2	4	06
	Cardiothoracic surgery	06	-	3	1	1	-	1	-	-	-	-	-	-	1	5	06
	Peritoneal Dialysis	02	-	-	-	-	-	2	-	-	-	-	-	-	-	2	02
	Hemo Dialysis	02	-	-	-	2	-	-	-	-	-	-	-	-	-	2	02
	Renal Transplantation	02	-	1	-	1	-	-	-	-	-	-	-	-	-	2	02
16	PG Dip. in Para medical courses	18	2	-	-	2	2	-	-	-	-	-	1	-	5	2	07
	Dialysis Technology	09	-	-	-	-	1	-	-	-	-	-	-	-	1	-	01
	Medical Records Science	09	2	-	-	2	1	-	-	-	-	-	1	-	4	2	06
17	Diploma in Para medical disciplines	04	-	-	-	2	-	1	1	-	-	-	-	-	1	3	04
	Radiotherapy Technology	04	-	-	-	2	-	1	1	-	-	-	-	-	1	3	04
Total Students:		378	15	67	27	123	15	57	11	15	-	-	2	12	70	274	344
GRAND TOTAL (1+2+3)		637	34	162	38	189	18	85	16	24	-	1	2	23	108	484	592

1.8 Scholarships

The eligible students belonging to SC/ST/ BC/EBC and Minority categories were sanctioned scholarships from the Government through respective welfare authorities. For the academic year 2018-19, an amount of 2,23,80,141/- was released to the beneficiaries as detailed below:

S. No.	Student Category	No. of students benefited	Amount sanctioned (₹)
01.	SC	202	51,63,561.00
02.	ST	51	17,01,618.00
03.	BC	371	1,00,21,765.00
04.	EBC	217	29,95,261.00
05.	Minority	88	24,97,936.00
	TOTAL	929	2,23,80,141.00

For the year 2018-19, the Government fixed the ceiling limit of the annual parental income to Rs. 2,00,000/- for SC, ST categories and Rs. 1,00,000/- for BC, EBC & Minority categories to become eligible to apply for scholarship. 80% - 90% of the students admitted have submitted their applications online to the respective welfare authorities for sanction of scholarship.

1.9 Hostels

The University provides hostel facility for boys, girls and resident doctors. The accommodation available and occupied for the year 2019 is furnished below:

S. No.	Name of the Hostel Block	No. of Rooms	
		available	Allotted
1.	P.G. Doctors Hostel – I	42	38
2.	P.G. Doctors Hostel – II	89	88
3.	Boys Hostel	47	47
4.	Girls Hostel – I (BIRRD)	26	26
5.	Girls Hostel – II	55	55
6.	Girls Hostel (New) – III	67+1 (dormitory)	67+1 (dormitory)
7.	Girls Hostel (New) – III for MBBS students	59	57
8.	SPMC (W) Hostel	144	144
9.	Interns Hostel	95	95
	Total:	625	618

1.10 Quarters: The Institute provides accommodation for teaching and non-teaching staff with in the campus. The accommodation available and occupied for the year 2019 is furnished below:

S. No.	Name of the Quarters	No. of Rooms	
		Total	Allotted
1.	Faculty Quarters (Blocks- I, II, III)	17	17
2.	Professors Quarters – South (Vedadri block)	12	12
3.	Asst. Professors Quarters – Middle (Srinivasa block)	16	16
4.	Asst. Professors Quarters- North (Sudharshanam Block)	16	16
5.	BIRRD Faculty Quarters	02	02
6.	Nursing / Non-Teaching staff Quarters (3 blocks of 12 each)	36	33
7.	Nursing / Non-Teaching staff Quarters (BIRRD) (2 blocks)	12	10
	Total	111	106

2.0 Examination Activities: The Examination Section makes all the arrangements necessary for holding examinations and timely declaration of results. During 2018-19 academic year, the University conducted examinations for various courses i.e. DM, MCh, MD, MSc Medical, MSc Life Sciences, MPT, MSc Nursing, BPT, BSc Nursing, BSc Allied Health Sciences. The Institute is also running the PhD programme. The examination section prepares mark lists & degrees.

The Department also actively participates in organizing the Convocation of the Institute every year. The details of University examinations conducted for the academic year 2018-19 are as follows:

2.1 Examination results final year (Regular and Supplementary)

Name of the course	Number of students appeared		Number of students passed		Percentage of pass	
	Jan/Feb 2019	July/Aug 2019	Jan/Feb 2019	Jun/July 2019	Jan/Feb 2019	July/Aug 2019
Medical PG Courses:						
D.M./M.Ch	-	23	-	23	-	100
M.D	-	19	-	19	-	100
Medical UG Courses						
3rd (Final) MBBS – II	149	20	130	17	87.24	85.00
Post Graduate Course: (MPT, M.Sc. Nursing, M.Sc. AHS, M.Sc. Life Sciences)						
Master of Physiotherapy	-	12	-	12	-	100
M.Sc. Nursing	-	30	-	30	-	100
M.Sc. Medical	-	09	-	09	-	100
M.Sc. Biotechnology & Bioinformatics	-	18	-	18	-	100
M.Sc. Dialysis technology & Cardiac Catheterization and Interventional Technology	-	03	-	03	-	100
Under Graduate Courses: (BPT, B.Sc. Nursing, B.Sc. AHS)						
Bachelor of Physiotherapy	6	46	5	38	83.33	82.60
B.Sc. Nursing	2	95	2	95	100	100
B.Sc. Paramedical Tech. courses	-	53	-	53	-	100
P.G. Diploma/Diploma/Certificate courses:						
P.G. Diploma in Para Medical Technical courses	-	14	-	14	-	100
Post Basic Diploma in nursing	-	15	-	15	-	100
Diploma in Radiotherapy Tech.	-	04	-	04	-	100

2.2 Best outgoing students (2018-19)

Course Name	Name of the student
D.M.	D. Nannapaneni Sai Sameera, Dr Sunnesh Reddy Anapalli
M.Ch.	Dr Manoj B
M.D. (over all)	Dr Kuraparthi Jasmitha, Anaesthesiology & Dr Jannu Sowjanya, Emergency Medicine
M.D. Medicine	Dr M. Soumya
M.B.B.S.	Ms.Tippireddy Ravali
M.Sc. Nursing	Mr. Komala Sesha Kumar
Master of Physiotherapy	Mr. Kunduru Nagarjuna
M.Sc. Medical	Ms. Punuru Sneha
M.Sc. Biotechnology	Mr. Lokesh Panigrahi
M.Sc. Bioinformatics	Ms. Lalapeta S Divya
B.Sc. Nursing	Ms. Nesanuru Lokeswari
Bachelor of Physiotherapy	Ms. Datla Lasya Sree
B.Sc. Paramedical Technical courses	Ms. Pydala Shahida

Merit certificates will be awarded to the toppers on 10th convocation day.

2.3 Medals/ Merit Certificates awarded

- Dr Nyapathi Ramachandra Rao Gold Medal - Dr M.Soumya, M.D. Medicine (Topper in Medicine)
- Dr G.Subramanyam & Dr Sunitha Subramanyam Medal :
 - Dr Kuraparthi Jasmitha, MD Anaesthesiology and Dr Jannu Sowjanya, MD Emergency Medicine stood First among the students of all MD courses
 - Dr Nannapaneni Sai Sameera and Dr Sunnesh Reddy Anapalli, DM. Nephrology stood First among the students of all D.M. courses.
 - Dr Manoj B, M.Ch. Genito Urinary Surgery-First among the students of all M.Ch. courses.
 - Mr. Nesanuru Lokeswari -Topper in B.Sc. Nursing
 - Ms.Y Datla Lasya Sree - Topper in Bachelor of Physiotherapy– 2018
- Late Dr P.Subrahmanyam, IAS Medal - Mr. Lokesh Panigrahi, M.Sc. Biotechnology (First among the students of Life Sciences).

- Faculty, College of Physiotherapy Medal - Mr. Kunduru Nagarjuna (Topper in Master of Physiotherapy).
- Kum. Komal Reddy Foundation Trust Medal- Mr. Komala Sesha Kumar (Topper in MSc Nursing)
- Dr V.Jayaram and Mrs.Lalitha Jayaram Medal-
 - 1st MBBS:**
 - Ms. Sistla Akhila, Topper in 1st M.B.B.S - 2018
 - Ms. O Abhigna, Topper in 1st M.B.B.S. – 2019
 - Late Sri.Nara Sreenivasulu Nadiu and Smt. Nara Nagamma Medal-Topper in M.B.B.S.
Ms.Tippireddy Ravali (First among the students of M.B.B.S.)

2.4 Entrance Examinations

S. No	Name of the course examination	Date	No. of candidate appeared
1	M.Sc. Nursing	30.08.2019	46
2	M.Sc./P.G. Diploma in Paramedical Courses	05.07.2019	80

3.0 Enhanced services at SVIMS

3.1 CPR

CPR everywhere' (community CPR) & 'smoking cessation'

So far 18,221 citizens trained in CPR including Police, Staff, Students, Industry Workers & Public at large. ***"Every citizen A First Responder"***. Social media by students for CPR at smoking cessation.

Transforming villages through health adoption: SVIMS adopts 5 villages in Chittoor Dist. under Unnat Bharat Abhiyan of GoI; along with CHC & surrounding communities by GoAP : Total 1 lakh population. List of villages are : 1. Naravaripalle, 2. Settipalle, 3. Vadamalapeta, 4. Ramachandrapuram, 5. Kammappalli.

3.2. Pink Bus

The prestigious **'Pink Bus'** of the Sri Venkateswara Institute of Medical Sciences (SVIMS) is organising free cancer screening camps in villages. Pre-emptive screening assumes importance as cancer is detected at an advanced stage. Moreover, patients are reluctant to go to a hospital for cancer screening for various reasons, including a lot of stigma attached to the disease. Hence, SVIMS decided to take the screening process to the community in the Rayalaseema districts



SVIMS conducted PINK BUS Cancer Screening camp on 27.11.2019 at BIG C (DR MAHAL) Theatre premises, Tirupati. Tirupati MLA Sri Bhuman Karunakar Reddy participated and inaugurated the PINK BUS Cancer Screening camp and stressed the importance of Cancer Screening Medical camps organised by the SVIMS Director cum VC Dr B.Vengamma and team of Doctors in and around Tirupati .

SVIMS women's health initiative Pink Bus is designed to provide bundled screening for the 3 major cancers affecting women: Breast, Cervix & Oral Cavity. The Pink bus features mobile mammography, gyn exam/PAP smear, oral examination, breast ultrasound, educational video on cancer prevention, patient counselling. Subsequently, screening for other Non-Communicable Diseases (NCDs) through assessment for High Blood Pressure, Diabetes, Kidney diseases & Heart diseases is planned.

Pink Bus will help in prevention to palliation for women at their door step. 'SVIMS' preliminary target is to reach the all villages in Rayalaseema. SVIMS organizes pink bus camps, preliminary target is to reach the all villages in Rayalaseema. Last year i.e. from January to December 2019, 41 camps have been conducted and screened 4775 patients.

- Initial focus on 3 commonest cancers in women – breast, Oral Cavity, Cervix
- Bundled screening, early detection, prevention
- Goals: Stepwise
 - Shift stage at diagnosis from stage 3 or 4 to stage 1 or 2, so that cure rate increases
 - Reduce cancer death rate from 63% progressively
- Bring down incidence & mitigate cancer burden



SVIMS conducted PINK BUS Cancer Screening camp on 17.11.2019 at Nagari Mandal of Chittoor District. Nagari MLA Smt. Roja, participated and inaugurated the PINK BUS Cancer Screening camp and praised the services of SVIMS Director, Doctors and staff for taking initiative to prevent cancer in Rural areas.

4.0 Recognitions for SVIMS contributions

4.1 Awards

1. **Dr M. Hanumantha Rao**, Senior Professor & Dean, Dept. of Anaesthesia has been officiated as *Editorial Board Member* of Indian Journal of Anaesthesia, an official publication of Indian Society of Anaesthesiologists.
2. **Dr D. Rajasekhar**, Senior Professor & Head, Dept. of Cardiology;
 - Served as the President of Andhra Pradesh Chapter of Cardiological Society of India in 2019.
 - Served as National Vice President of the Indian College of Cardiology in 2019.
 - Received the *State Government Award* for Outstanding Service on Republic Day from District Collector at Chittoor on 26th January 2019.
 - Completed 25 years of service as faculty at SVIMS on 31st January 2019.
 - Delivered the Presidential Oration. He spoke on “Current status of PFO Closure” at the APCSI Conference on 24th August 2019.
3. **Dr Abha Chandra, Sr. Professor and Head, Dept. of CT Surgery**
 - *Has been given the Recognition for her peer reviews – past and present by the PUBLONS*, Asian Cardiovascular and Thoracic Annals has given official recognition for the peer reviews she has performed in Publon journals in the past. They have found it to be of valuable contribution to research.
 - *Department of Cardiovascular and Thoracic surgery, SVIMS and Defence Institute of Physiology and Allied sciences, New Delhi are in collaboration for a Research Project titled “Epidemiology and Pathophysiology of various high altitude induced Cardiopulmonary Diseases” Ref: letter No. Do/101/DIPAS/2019, dated 13th August, 2019.*
4. **Dr B C M Prasad, Senior Professor & Head, Dept. of Neurosurgery**
 - Gave Presidential oration APNDSA (Andhra Pradesh Neuroscientist Association). 2019 Dr B C M Prasad, gave Presidential oration on “Cerebral aneurysm surgical nuances “at APNEUROCON 2019, Vishakhapatnam on 15th June 2019.
- Has been a Chairperson for CME on “Movement Disorders” at SGPGI, Lucknow on 7th September 2019.
5. **Dr A.Y. Lakshmi**, Professor & Head, Department of Radiology, **Dr V. Venkatarami Reddy**, Professor & Head, Department of Surgical G.E. and **Dr V. V. Ramesh Chandra**, Professor & Head, Department of Neurosurgery were awarded with *Andhra Pradesh State Best Teacher Award* at University Level from Hon’ble Chief Minister, Govt. of AP during the teachers day celebration held at Vijayawada on 5th September 2019.
6. **Dr V. Vanajakshamma**, Professor, Dept. of Cardiology
 1. Felicitated by Women Development Forum, Tirupati on the occasion of Independence day Celebrations at SGS School, Tirupati on 15th August 2019.
 2. *Won 2nd Prize* in Yogasanas at International Yoga day celebrations at Rastriya Sanskrit Vidyapeet University, Tirupati on 21st June 2019.
7. **Dr Alladi Mohan**, Professor & Head, Dept. of Medicine, was awarded *Dr I. Joga Rao Memorial Chairman Oration Gold Medal 2019*, by the Andhra Pradesh State Chapter of Association of Physicians of India) at Guntur, September 2019.
8. **Dr T.C. Kalawat**, Professor & Head, Dept. of Nuclear Medicine, honoured with *Brigadier S.K. Mazumdar Memorial Oration Award* for his dedicated career, contribution to clinical Nuclear Medicine practices, teaching and training on 13th December 2019 at the 51st Annual Conference of Society of Nuclear Medicine (I) at Tata Memorial Hospital, Mumbai.
9. **Dr R. Ram**, Professor & HoD, Dept. of Nephrology, was awarded
 - *First PDSI oration -2019* at 21st PDSICON on 21st September, 2019 at Hyderabad.
 - *PDSI Oration Award* for the year 2019 at the 22nd peritoneal dialysis society of Indian conference at Hyderabad.

- Released book in ISNSCCON-2019 – Articles a Nephrologists should know.
- 10. **Dr V. Sivakumar**, Professor, Dept. of Nephrology was awarded **Guru Dronacharya Award** at AVATAR 2019.
- 11. **Dr K. Nagaraj**, Professor & HoD, Dept. of Community Medicine, is nominated as *Member of project* review group of ICMR, New Delhi in the area of health systems research, ICMR, New Delhi.
- 12. **Dr Aloka Samantaray**, Professor & Head, Dept. of Anaesthesia has been officiated as **Associate Editor** of Indian Journal of Anaesthesia, an official publication of Indian Society of Anaesthesiologists.
- 13. **Dr B.Vijayalakshmi Devi**, Professor, Dept. of Radiology, was felicitated by IMA, Kadapa branch on 1st July 2019.
- 14. **Dr Chandrasekhar Valleppalli**, Assistant Professor, Dept. of Community Medicine has
 - Received **Letter of Appreciation** from Director & CEO of AIIMS, Mangalagiri, Andhra Pradesh for demonstrating ‘Friends and Family Cardio-Pulmonary Resuscitation (CPR)’ to the First year MBBS students and their Family in AIIMS Mangalagiri at SMC, Vijayawada on 4th September 2019.
 - Received **2nd Prize in faculty oral presentation** for the research paper titled “Lifestyle Factors Associated with Diabetes Mellitus among Urban Population of Eluru: A Cross Sectional Study” in the International Forum-2019 on “Transformation of Public Health and Community Responsibility” in collaboration with Saudi Board Family Medicine Program sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA) at Ch.S.D.ST.Theresa’s College for Women, Eluru on 9th August 2019.
 - Conferred with “**The Best Citizens of India Award 2019**” by International Publishing House, the world’s most leading biographical specialists, New Delhi in July 2019.
 - Received **Certificate of Appreciation** from Indian Association of Preventive and Social Medicine (IAPSM) for acting as Nodal person for organization of IAPSM World Health Day Quiz 2019 at SVIMS-Sri Padmavathi Medical college for Women, Tirupati.
- Received the **Elite+Gold certificate** from ICMR, NIRT, Chennai for successfully completing the course on “Manage TB” with a consolidated score of 91% through NPTEL / Swayam portal of Ministry of HRD, Govt. of India in July to September 2019 session.
- Received certificate from **World Health Organization’s (WHO)** National Public Health Surveillance Project for his contribution in monitoring immunization activities as External Monitor in Polio supplementary immunization activity at Chittoor District in the first round of NID 2019.
- Awarded **Level 1 certificate** course in Data Improvement Planning from World Health Organization - Immunization Monitoring Academy on 18th February 2019.
- 15. **Dr A. Umamaheswari**, Associate professor & Head, Department of Bioinformatics got a **certificate of appreciation** from the Director, SVIMS on republic day in 2019 for her meritorious services.
- 16. **Dr P.V.G.K. Sarma**, Associate professor & Head, Department of Biotechnology was awarded with “**certificate of excellence in reviewing**” by Biochemistry and Biophysics Reports journal an Elsevier group of publications for the year 2019.
- 17. **Dr A.Viswanath Reddy**, Associate Professor, College of Physiotherapy has received “**Significant Achievement Award**” by (IAP) Indian Association of physiotherapist 57th Annual Conference at Bangalore on 2nd February 2019.
- 18. **Dr Siva Rama Krishna G**, Associate Professor was qualified as an **Assessor** for NABH-Entry Level.
- 19. **Dr B. Sivanandh**, Assistant Professor & HoD i/c, Dept. of Psychiatry, attended the following
 - GERON and felicitated for his leadership role in the successful conductance at Tirupati during 6-8 September 2019.
 - GERON 2019 and chaired a session on “Relationship between cardiac health and

- psychiatric disorders in elderly.
- Annual conference of Indian Psychiatric society south zonal branch and delivered a talk on “Treatment of Digital addiction in children” at COORG in October 2019.
20. **Dr A. Padmaja**, Professor, College of Nursing
 - “*Life time Achievement in Health and Medical Sciences*”, for the contribution and achievement in the field of Child Health Nursing by Venous International Foundation on 6th July 2019.
 21. **Dr G. Visweswara Rao**, Assistant Professor, Dept. of Community Medicine, has received appreciation for his contribution in monitoring immunization activities in the Chittoor district & received certificate of participation from World Health Organization’s (WHO) National Public Health Surveillance Project as External Monitor in Polio supplementary immunization activity at Chittoor District, Andhra Pradesh, in the first round of NID 2019.
 22. **Dr M. Aruna**, Assistant Professor, Dept. of Community Medicine was awarded “*V.D. Nada Gowda Best All India Annual Thesis Award 2018*” for work during the 74th Annual Conference of the Association of Physicians of India (APICON 2019), at Kochi during 7-10 February 2019.
 23. **Dr K Venkat**, Assistant Professor, Dept. of Neurosurgery, attended NEST-2019 (Neuro Endovascular Surgical Training) in Aster MIMS Hospital, Calicut during 30-31 March 2019.
 24. **Dr D. Triveni**, Asst. Professor, Dept. of Psychiatry, received *Silver medal* (First order) with PGI Chandigarh “Institutes Medal” from Union health minister Sri. Jaya Prakash Naddaji at PGIMER, Chandigarh, Institute of National Importance in February 2019
 25. **Dr R Rakesh Reddy**, PG Senior Resident, Department of Neurology won *First Prize* for best paper presentation titled A Study on association of Cyp 2c9 polymorphism with phenytoin toxicity in APNEUROCON silver jubilee celebration of APNSA at Vishakhapatnam on 16th July 2019.
 26. **Dr B. Raghuram**, PG Senior Resident, Dept. of Cardiology, was awarded
 - a. *Third prize* for oral paper presentation in APCSI-2019 for his paper on “Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease” at Rajahmundry during 24-25 August 2019.
 - b. *Third prize* for E-Poster presentation in CSI-2019 for his poster on “Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease” at New Delhi during 5-8 December 2019.
 27. **Dr Vivek Sharma**, PG Senior Resident, Dept. of Neurosurgery was awarded
 - a. *Second Prize* at Neuroquiz at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
 - b. Winner in Zonal round – South and East Zone of Torrent *Young Scholar Award* Neurosurgery 2019
 28. **Dr T Goutham Hanu**, PG Senior Resident, Dept. of Neurosurgery got *First Prize* at Neuro-Radiology Quiz at the 2nd APNSA Neuroclinics –SYNAPS 2019- SVIMS Tirupati during 2-3 February 2019.
 29. **Dr Kunal Kumar**, PG Senior Resident, Dept. of Neurosurgery got *First Prize* in Poster Presentation at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
 30. **Dr Nitin barde**, PG Senior Resident, Dept. of Neurosurgery got *First Prize* in Neuro Quiz at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
 31. **Dr Mohana Murali Krishna**, PG Senior Resident, Dept. of Neurosurgery got *Second Prize* in Poster Presentation at APNEUROCON 2019 at Vishakhapatnam on 15th June 2020.
 32. **Dr Anusha N D**, PG Senior Resident, Dept. of Endocrinology, won *first prize* for poster presentation titled “GAD antibody associated stiff man syndrome in a young boy with primary adrenal insufficiency” in APESCICON 2019 at Tirupati on 17th March 2019.

33. **Dr Sandeep Ganta and Dr Avinash Patil**, PG Senior Residents, Dept. of Endocrinology won **second prize** in the quiz at ESICON 2019, Nagpur during 23-24 November 2019.
34. **Dr Santhosh V**, PG Senior Resident, Dept. of Medical Oncology, has attended “3rd Annual precision Oncology and International Breast cancer conference 2019” at Jaipur and presented a poster and oral paper on “Recurrence patterns in Carcinoma Cervix post chemoradiotherapy” and secured **3rd Prize**
35. **Dr N. Sai Sameera**, PG Senior Resident, Dept. of Nephrology won “**2nd Prize**” in ISNSCCON -2019 South Zone conference held at Tirupati on 23rd March 2019.
36. **Dr Alekya**, PG Senior Resident, Dept. of Nephrology won “**2nd Prize**” in ISNSCCON-2019 South Zone conference at Tirupati on 23rd March 2019.
37. **Dr S.Nagesh Kumar**, Senior Resident, Dept. of Surgical Oncology was awarded “**Prize in Poster Presentation**” at NATCON IASO 2019, Annual conference of Indian Association of Surgical Oncology and presented a poster “Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients” held at JW Marriott, Kolkata during 20-22 September 2019.
38. **Dr B.Bhavya**, MCh Resident was awarded “**Prize in Free Paper**” at NATCON IASO 2019, Annual conference of Indian Association of Surgical Oncology and presented a poster “A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers” held at JW Marriott, Kolkata during 20-22 September 2019.
39. **Dr Sravanti B**, MCh Senior Resident has received Bursary award from The Indian Association of Surgical Gastroenterology (IASG) at 29th Annual conference of IASG (IASGCON 2019) at New Delhi during 9-13 October 2019
40. **Dr T.Kaarthika**, PG Junior Resident, Dept. of Anaesthesia has received “**2nd Prize**” for paper comparison of effect on intraperitoneal instillation of additional dexmedetomidine or clonidine along with bupivacaine for postoperative analgesia following laparoscopic cholecystectomy – A prospective, randomized, double blind study. ISACON-2019 at Bengaluru.
41. **Dr Gayathri K**, PG Junior Resident, Dept. of Anaesthesia has received “**2nd Prize**” for poster presentation Impediment in securing airway in a case of ameloblastoma. ISACONAP- 2019 KIMS at Amalapuram.
42. **Dr V. Pradeep**, Postgraduate Junior Resident, Dept. of MD Medicine won the **Best paper Award (Platform Presentation)** (Cash Prize of Rs 5000/-) for the paper on “Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalisation: a prospective study” in the Award Session at the 47th AP State Chapter of Association of Physicians of India (AP APICON 2019) at Guntur during 13-15 September 2019.
43. **Dr Chandana B**, PG Junior Resident, Dept. of Radiology, was awarded the Dr R.Raja Reddy award for second best resident paper in the 4th state conference of APIRIA organised in Nellore.
44. **Mr. Pasala Chiranjeevi**, ICMR-SRF, Dept. of Bioinformatics, received **DST-SERB International travel grant** to present research work on “Integration of binding potency estimations and stability assessments for therapeutic design against MurG of *H. pylori*” was presented and published in the International Conference of Albany 2019: The 20th Conversation organized by Departments of Chemistry and Biological Sciences, State University of Newyork, Albany during 11-15 June 2019.
45. **Sudheer Kumar K**, PhD Research Scholar, Dept. of Bioinformatics got **appreciation certificate** in the 3rd World Cancer Congress - 2019 organized by Arjyopa Healthcare at Royal Orchid Central Grazia, Vashi, Mumbai during 20-21 November 2019.
46. **Bhuvaneswari P**, PhD Research Scholar, Dept. of Bioinformatics, awarded **the best poster** in the International Conference on Applications of Biotechnology and Nanotechnology (ICBN 2019) organized by B. S. Abdur Rahman Crescent Institute of Science and Technology in association with

University of Missouri, USA during 30th September - 1st October 2019.

47. **Sharon Priya Alexander and Siva Ranjani P, Rishi Gowtham R**, PhD Research Scholars, Dept. of Bioinformatics, awarded *the best oral and best poster* in 8th National seminar on Bioinformatics organized by Department of Bioinformatics at SVIMS University, Tirupati during 22-23 February 2019.
48. **Rishi Gowtham R**, PhD Research Scholar, was awarded
 - *Best Poster Award* for the poster presentation at “8th National Seminar on Bioinformatics” during 22-23 February 2019.
 - *Indian Council of Medical Research, Senior Research Fellow (ICMR-SRF)*.
49. **Meenakshi K**, Research Scholar, Dept. of Microbiology, was awarded with Indian Council of Medical Research, Senior Research Fellow (**ICMR-SRF**)
50. **Ms. Reema & Ms. Vasundara**, MSc 3rd year, have secured “*2nd Prize*” in Rangoli on gross anatomy and embryology of Thorax and Abdomen at National

CME on Demystifying robotic surgery – an Anatomical Approach” at SRM Medical College Hospital and Research Centre, Tamil Nadu.

51. **M.D. Nuclear Medicine** 2018 batch student, received “*1st prize*” for oral Paper presentation on “Association of ^{99m}-TcSestamibi Stress myocardial perfusion scintigraphy with dukes tread mill score for Risk stratification in patients with coronary artery disease” in the 12th Biennial Conference of Nuclear Cardiological Society of India(NCSI) National Conference, Chennai, during 5-6 October 2019.

52. **Divya.T, Alisha.P, Digumurthy Tejaswini**, MBBS students received “*2nd Prize*” at 3rd A.P.State Level Quiz in Physiology HAYAGREEVA -2019, SVIMS-SPMC(W), Tirupati on 26th April 2019.

4.2 Honors and key assignments

1. **NIRF India Rankings 2019:** The National Institutional Ranking Framework (NIRF) in 2019, Sri Venkateswara Institute of Medical Sciences, (a university is established by Govt. of A.P), Tirupati was ranked amongst the top 100 Higher Education Institutions in India, Ranked 77 among Universities and top 30 Medical Institutions in India, Ranked 29 in Medical Category.



2. **Dr A.Y. Lakshmi**, Professor & Head, Department of Radiology, **Dr V. Venkatarami Reddy**, Professor & Head, Department of Surgical G.E. and **Dr V. V. Ramesh Chandra**, Professor & Head, Department of Neurosurgery were awarded with *Andhra Pradesh State Best Teacher Award* at University Level from Hon'ble Chief Minister, Govt. of AP during the teachers day celebration held at Vijayawada on 5th September 2019.

స్విమ్స్ అధ్యాపకులకు రాష్ట్రస్థాయి అవార్డు



గురుపూజోత్సవ సందర్భంగా అమరావతిలో సీఎం జగన్ నుంచి అవార్డులు అందుకుంటున్న స్విమ్స్ అధ్యాపకులు

తిరువతి హెల్త్, సెప్టెంబర్ 5 (ప్రభుత్వం)

.స్విమ్స్కు చెందిన అధ్యాపకులు, న్యూరోసర్జరీ విభాగాధిపతి డాక్టర్ రమేష్ చంద్ర, నర్సింగ్ గ్యాప్లో ఎంట్రాలజీ విభాగాధిపతి వెంకటరామిరెడ్డి, రేడియాలజీ విభాగాధిపతి లక్ష్మి విజయవాడలో నిర్వహించిన ఉపాధ్యాయ దినోత్సవాన్ని

పురస్కరించుకుని సీఎం జగన్ చేతులమీదుగా వైద్య విభాగంలో ఉత్తమ ఉపాధ్యాయుల అవార్డులు స్విమ్స్ డైరెక్టర్ వెంగమ్మ తెలిపారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ ఉత్తమ బోధనలు, వైద్యసేవలు, పరిశోధనలకు గుర్తింపుగా రాష్ట్రస్థాయి ఉత్తమ ఉపాధ్యాయ అవార్డులకు ఎంపిక కావడం హర్షదాయకమని అభినందించారు.

3. **Dr T.C. Kalawat**, Professor & Head of the Department, honoured with Brigadier S.K. Mazumdar Memorial Oration Award for his dedicated career, contribution to clinical Nuclear Medicine practices, teaching and training on 13th December 2019 at the 51st Annual Conference of Society of Nuclear Medicine (I) at Tata Memorial Hospital, Mumbai



4. **Dr V. Pradeep**, Postgraduate Junior Resident in MD (Medicine) won the *Best Paper Award* for his research work on "community acquired pneumonia" at the 47th Annual Conference of the Andhra Pradesh State Chapter of Association of Physicians of India (APAPICON 2019) held at Guntur Medical College, Guntur on 15th September 2019.



5. Dr D. Rajashekar, HoD, Department of Cardiology, Dr J.Gowtham Kumar, Asst. Professor, Emergency Medicine, Smt. A. Nagaraju Kumari, PA to Director and Smt.Reddyrani, Staff Nurse, Code Blue team received UYA from the District Collector on 26-01-2019.



5.0 Visitors to SVIMS

1. AIIMS Mangalagiri New Director Dr Mukesh Tripathi met the President of AIIMS, Mangalagiri and SVIMS Director cum VC, Dr T.S.Ravikumar on 26.01.2019.
2. SVIMS, Tirupati & SRM University (Engineering), Amaravati have decided to work together to develop “Out of the Box solutions” for certain human diseases. Towards this goal, three scientists Prof. Siva Kumar, Dr Pradyut Kumar Sanki and Dr Anil K.Suresh from SRM University, Amaravathi visited SVIMS and attended in interactive session with SVIMS Director cum VC Dr T.S.Ravikumar, Prof.AlokSachan and Prof. TC Kalawat for establishing several collaborative projects.



3. SVIMS Medical superintendent Dr Alok Sachan and Senior staff explained about steps taken for disposal of the Bio Medical waste at SVIMS campus to the A.P. State Level Committee Chairperson, National Green Tribunal (NGT) Sri B.Sesha Sayana Reddy who visited SVIMS on 02.05.2019



4. Tirumala Tirupati Devasthanam's trust board chairman Sri Y.V.Subba Reddy visited SVIMS along with TUDA Chairman Sri Chevireddy Bhaskar Reddy and Tirupati MLA Sri Bhumana Karunakara Reddy visited various inpatient wards and private medical stores in the premises and interacted with the patients and suggested the administration to take necessary initiatives for better patient care in the Institute.



5. Mantralayam Sri Raghavendra Peetadhipathi Sri Subhudendra Theerdha Sripadula Swamy varu visited SVIMS and praised the Health care services provided by the SVIMS Doctors



6. TUDA Chairman and Chief VIP of A.P. Sri Chevireddy Bhaskar Reddy visited SVIMS and instructed the Tirupati Municipal Administration to develop parks and greenery in the campus.



7. TTD Chairman Sri Y.V.Subba Reddy visited SVIMS and suggested the SVIMS Administration to take necessary initiatives to provide facilities to patients.



8. Tirupati M.P. Sri Balli Durga Prasad Rao visited SVIMS on 06.07.2019 and suggested SVIMS administration to take initiatives to get financial aids from Central Government .



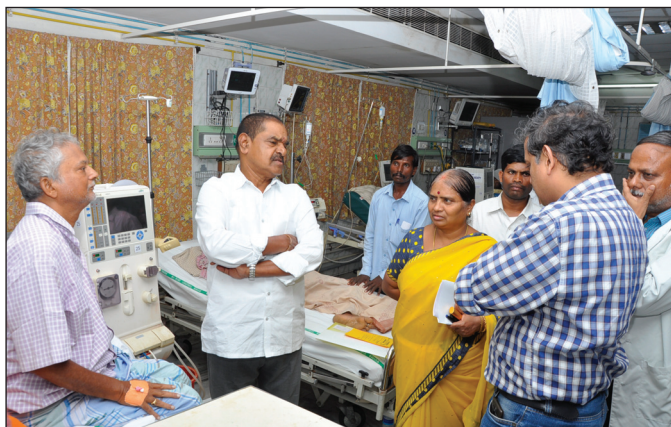
9. Dr B.Chandrasekhar Reddy, Chairman, APMSIDC attended as a Chief Guest and inaugurated Aayushman Bharath Diwas, 1st Anniversary celebrations at SVIMS Sri Padmavathi OPD Hall.



10. Sri Perigala Muralikrishna, Member of TTD Board and SVIMS Executive Board visited SVIMS on 30.09.2019. SVIMS Director cum Vice Chancellor Dr B.Vengamma discussing about the Developments and services in various specialities of SVIMS.



11. Andhra Pradesh Deputy Chief Minister Sri Narayanaswamy visited SVIMS and SVIMS Director cum Vice Chancellor Dr B.Vengamma received the guest.



12. Dr. K.S. Jawahar Reddy, IAS, Principal Secretary, Health Medical & Family Welfare, Govt. of Andhra Pradesh visited SVIMS on 24.12.2019 and inspected Cardiology, Neurology, Nephrology, Urology departments and Nephro plus.



6.0 Activities at SVIMS

6.1 Institute day celebrations:

The 26th Anniversary day and UNIFEST celebrations of SVIMS were held on 26.02.2019. Dr Vaidehi Kaza, M.D. Associate Medical Director of Lung Transplantation; Dr John Murala, MD, Department of Cardiovascular and Thoracic Surgery; Dr Sreekanth Cheruku, Department of Anesthesiology and Pain Management and Dr Alpesh Amin, MD, Internal Medicine at UT Southwestern Medical Centre Faculty group, Texas, USA attended as Chief guests and the Faculty, staff members their children and students who participated and excelled in various sports and cultural activities were awarded with trophies and mementoes. The students and staff members participated in cultural events to mark the occasion.



Releasing Annual Report 2018 and Akanksha 2019



Dr Alladi Mohan, Prof. & HoD, Dept. of Medicine, receiving the best paper award (JCSR) from Dr Vaidehi Kaza, M.D. Guest of Honour, UTSW Medical Center, USA.



Felicitation to Dr V.S.R. Anjaneyulu, MD, Ex. Registrar.



The students of College of Nursing are seen receiving overall champion trophy of UNIFEST 2019

The students are seen participation in the cultural activities during the occasion

6.2 Orations organized

The orations are instituted in the name of the donor or the name suggested by him/her, on receipt of the donation. The annual interest generated from the donation is utilized for organizing the oration. The following orations were organized during the year 2019.

1. Dr Nalagatla Balakrishna Reddy Endowment Nephrology Chair oration was delivered by Dr M.A. Muthusethupathi, Formerly, Professor & Head, Nephrology, MMC, Madras on 8th January, 2019 on the topic “My Journey through Leptospirosis”. The oration was organized by the Dept. of Nephrology.



2. The 11th Annual Cardiology Endowment oration was delivered by Dr Narasimhan Calambur, Senior Interventional Cardiologist, Care Hospital, Hyderabad on 20th February, 2019 on the topic 'Fundamental Aspects of Heart Failure: Cell to Beside'. The oration was organized by the Dept. of Cardiology.



3. The 4th Annual Gold Medal Chair oration was delivered by Dr Manoj Kumar Gupta, Prof & Head, Dept of Radiation Oncology, AIIMS, Rishikesh, Uttarakh on 29th March, 2019 on the topic "Chemo Radiation in Carcinoma Rectum, a Systematic Evolution". The oration was organized by the Dept. of Radiation Oncology.



4. The 3rd Annual Surgical Oncology Chair Oration was delivered by Dr Ravi Kannan, Director, Cachar Cancer Hospital, Silchar, Assam (Former Professor & HoD, Adyar Cancer Institute, Chennai) on 17th May 2019. on the topic "Opportunities in inclusive Cancer Care". The oration was organized by the Dept. of Surgical Oncology.



5. The 1st Annual "Balaji Gold Medal Anaesthesiology Chair Oration was delivered by Dr Mukesh Tripathi, MD., FAMS, Director, AIIMS, Mangalagiri, A.P on 16th October, 2019 on the topic "Psycho- Social Behaviour in ICU". The oration was organized by the Dept. of Anesthesiology.



6. The 4th Annual Srinivasa Neurosurgery Endowment Chair Oration was delivered by Dr Atul Goel, Professor & HoD, Dept of Neurosurgery, KEM Hospital, Mumbai on 7th November, 2019 on the topic “BRAIN HEALING – MORE DIVINE THAN HUMAN”. The oration was organized by the Dept. of Neurosurgery.



7. The 4th Balaji Cardiology Endowment Chair Oration was delivered by Dr V.K. Ajit Kumar, Senior Professor & HoD, Dept of Cardiology, SCTIMST, Thiruvananthapuram on 19th December, 2019 on the topic “EVOLUTION OF THE HUMAN HEART”. The oration was organized by the Dept. of Cardiology.



6.3 Guest lectures & Seminars organized

S. No	Date	Topic	Speaker	Department
1	04.01.2019	System, Drugs, Machines	Dr K.S. Madhavan, Professor from Southend University Cancer Center, Essex, UK	Radiation Oncology
2	01.08.2019	Vertebral column	Dr Naveen Kumar, NIMS, Hyderabad	College of physiotherapy
3	08.08.2019	Shoulder injury	Dr Sravan, NIMS, Hyderabad	College of physiotherapy
4	17.08.2019	Neural Plasticity	Dr Varadharajulu, KIMS, Karad	College of physiotherapy
5	29.08.2019	ECMO and Mechanical devices	Dr Sreekanth R. Cheruku, Assistant Professor, divisions of Cardiothoracic Anaesthesiology and critical care Medicine, UT Southwestern Medical center, Texas	Anaesthesiology
6	12.09.2019	Assertive communication & working with collaboration	Ms. Sripriya, Management consultant from Chennai	College of physiotherapy

6.4 Academic programme calendar for the year 2019

The academic schedule proposed for the year 2020 for conduct of clinical meetings, CPC,CME, spotters presentations, capsule on investigations, quiz programs is as detailed below:

[1] SATURDAY'S CLINICAL MEETING			[2] THURSDAY'S CLINICAL MEETING		
Date	Research Presentation 8:00 to 8:45 am	Spotters Presentation 8:45 to 9:00 am	Date	Department	Case/Debate/Topic 3:00 to 4:00 pm
04/01/20	Endocrinology	OBG	02/01/20	Nephrology	Debate
11/01/20	ENT	Oncology (Surgical)	09/01/20	Neurology	Case
18/01/20	Forensic Medicine	Oncology (Medical)	16/01/20	Neurosurgery	Debate
01/02/20	GE (Surgical)	Ophthalmology	23/01/20	Nuclear Medicine	Case
08/02/20	General Surgery	Pathology	30/01/20	OBG	Debate
15/02/20	Haematology	Pharmacology	06/02/20	Oncology (Surgical)	Case
22/02/20	Medicine	Psychiatry	13/02/20	Oncology (Medical)	Debate
07/03/20	Microbiology	Physiology	20/02/20	Ophthalmology	Case
14/03/20	Nephrology	Paediatrics	27/02/20	Pathology	Debate
21/03/20	Neurology	Plastic surgery	05/03/20	Pharmacology	Case
04/04/20	Neurosurgery	Radio Diagnosis	12/03/20	Psychiatry	Debate
11/04/20	Nuclear Medicine	Radiotherapy	19/03/20	Physiology	Topic
18/04/20	OBG	Rheumatology	26/03/20	Paediatrics	Case
02/05/20	Oncology (Surgical)	Transfusion Medicine	02/04/20	Plastic Surgery	Debate
09/05/20	Oncology (Medical)	TB & RD	09/04/20	Radio Diagnosis	Case
16/05/20	Ophthalmology	Urology	16/04/20	Radiotherapy	Debate
23/05/20	Pathology	Anaesthesiology	23/04/20	Rheumatology	Case
06/06/20	Pharmacology	Anatomy	30/04/20	Transfusion Medicine	Topic
13/06/20	Psychiatry	Biochemistry	07/05/20	TB & RD	Debate
20/06/20	Physiology	Cardiology	14/05/20	Urology	Case
04/07/20	Paediatrics	CT Surgery	21/05/20	Anaesthesiology	Debate
11/07/20	Plastic Surgery	Community Medicine	28/05/20	Anatomy	Topic
18/07/20	Radio Diagnosis	Dentistry	04/06/20	Biochemistry	Case
01/08/20	Radiotherapy	Dermatology	11/06/20	Cardiology	Debate
08/08/20	Rheumatology	Emergency Medicine	18/06/20	CT Surgery	Case
05/09/20	Transfusion Medicine	Endocrinology	25/06/20	Community Medicine	Topic
12/09/20	TB & RD	ENT	02/07/20	Dermatology	Debate
19/09/20	Urology	Forensic Medicine	09/07/20	DENTISTRY	Topic
03/10/20	Anaesthesiology	GE (Surgical)	16/07/20	Emergency Medicine	Case
10/10/20	Anatomy	General Surgery	23/07/20	Endocrinology	Debate
17/10/20	Biochemistry	Haematology	30/07/20	ENT	Case
24/10/20	Cardiology	Medicine	06/08/20	Forensic Medicine	Topic
07/11/20	CT Surgery	Microbiology	13/08/20	GE (Surgical)	Debate
21/11/20	Community Medicine	Nephrology	20/08/20	General Surgery	Case
05/12/20	Dentistry	Neurology	27/08/20	Haematology	Topic
12/12/20	Dermatology	Neurosurgery	03/09/20	Medicine	Debate
19/12/20	Emergency Medicine	Nuclear Medicine	10/09/20	Microbiology	Topic
*	**	**	17/09/20	Nephrology	Case
*	**	**	24/09/20	Neurology	Debate
*	**	**	01/10/20	Neurosurgery	Case

Annual Report 2019

*	**	**	08/10/20	Nuclear Medicine	Debate
*	**	**	15/10/20	OBG	Case
*	**	**	22/10/20	Oncology (Surgical)	Debate
*	**	**	29/10/20	Oncology (Medical)	Case
*	**	**	05/11/20	Ophthalmology	Topic
*	**	**	12/11/20	Pathology	Case
*	**	**	19/11/20	Pharmacology	Topic
*	**	**	26/11/20	Psychiatry	Case
*	**	**	03/12/20	Physiology	Topic
*	**	**	10/12/20	Paediatrics	Debate
*	**	**	17/12/20	Plastic Surgery	Case
*	**	**	24/12/20	Radio Diagnosis	Debate
*	**	**	31/12/20	Radiotherapy	Case

The schedule of Continuous Medical Education & Clinical Pathological Correlation (C.M.E & CPC) Programmes by the following departments on every first & last Saturday of the mentioned month for the year 2020 is details hereunder:

[3] CME's: First Saturday between 02: 00 & 04: 00 P.M.			
04/01/20	Physiology, Pathology & Forensic medicine		
01/02/20	ENT, Dentistry & Ophthalmology		
07/03/20	Endocrinology, Biochemistry & Pharmacology		
04/04/20	Haematology ,Emergency Medicine & Transfusion Medicine		
02/05/20	Microbiology, Community Medicine & Rheumatology		
06/06/20	Nephrology, Urology & OBG		
04/07/20	Medical Oncology, Surgical Oncology & Radiotherapy		
01/08/20	Medicine, Paediatric& TB & RD		
05/09/20	Neurology, neurosurgery, Psychiatry		
03/10/20	Anaesthesiology, Cardiology & CT Surgery		
07/11/20	Anatomy, Surgical Gastroenterology & General Surgery		
05/12/20	Nuclear Medicine & Radiology		
[4] CLINICAL PATHOLOGICAL CORRELATION (CPC)/ CLINICO RADIOLOGICAL CORRELATION (CRC)			
Last Saturday between 08:00 & 9:00 AM			
Co-ordinators: For Medical Cases : Dr R. Ram, Prof. & HoD, Dept. of Nephrology.			
For Surgical Cases: Dr V.V. Ramesh Chandra, Prof. & HOD, Dept. of Neurosurgery.			
25/01/20	Cardiology	25/07/20	Neurology
29/02/20	General surgery	29/08/20	Surgical Oncology
28/03/20	Medicine	26/09/20	MedicalOncology
25/04/20	Surgical GE	31/10/20	Urology
30/05/20	Endocrinology	28/11/20	Nephrology
27/06/20	Neurosurgery	26/12/20	Emergency Medicine
[5] QUIZ		Organizers	
Annual Medical Quiz will be held every year in the month of February		Dr Alok Sachan, Dr Mutheeswaraiiah, Dr Naveen Prasad under the co-ordination of Dr A. Mohan	

6.5 Academic committees

The following committees are constituted for monitoring the academic and research activities

Thesis Protocol Approval Committee (TPAC)

The committee assesses the thesis protocol of the Postgraduate students. These committees are constituted separately for broad-specialty (MD) and super-specialties (DM / MCh).

Broad Specialties (MD)	
Dr P.V.L.N.Srinivasa Rao Dean and Sr. Prof. & HoD of Biochemistry	Chairman
Dr T.C. Kalawat, Registrar	Member
Dr M. Hanumantha Rao Principal, SPMC (W)	Member
Dr Alladi Mohan Prof. & HoD of Medicine	Member
Dr A.Y. Lakshmi Prof. & HoD of Radiology	Member
Dr K.V. Sridhar Babu Prof. & HoD of IHBT	Member
Dr H. Narendra Controller of Examinations	Special Invitee

Super Specialties (DM/MCh)	
Dr T.S. Ravikumar Director-cum-VC	Constitute authority
Dr P.V.L.N.Srinivasa Rao Dean and Sr. Prof. & HoD of Biochemistry	Chairman
Dr V. Sivakumar Sr. Prof. of Nephrology	Member
Dr D. Rajasekhar Sr. Prof. & HoD of Cardiology	Member
Dr Alok Sachan Prof. & HoD of Endocrinology	Member
Dr Abha Chandra Prof. & HoD of CT Surgery	Member
Dr H.Narendra Controller of Examinations	Member
Dr V.V. Ramesh Chandra Prof. of Neurosurgery	Member

The meetings for the following thesis protocols of the Post graduates admitted during 2018-19 academic year for Broad speciality (S.No. 460 to 497) were held on 18th & 19th January, 2019 and for Super speciality (Sl.No.498 to 519) were held on 20th May, 2019 and were cleared by the respective Committees.

Institutional Ethics Committee (IEC)

The committee is constituted with the following members. For the year 2019, 142 proposals (Sl.Nos.838 to 981) were assessed which are received from the Postgraduate and faculty. The IEC got recognized by the Drug Controller General, India (Ref. no. ECR/488/Inst/AP/2013/RR-16, dt.: 06-03-2017).

01	Dr T.S. Ravikumar	Director cum Vice-Chancellor & Establishing & Constituting Authority
02	Dr R.V.Suresh Kumar	Chairperson - Member - Scientific (Non-Institutional)
03	Dr V. Suresh	Member - Secretary – Medical - Clinician (Institutional)
04	Dr Radhika Rani	Member - Basic Medical Scientist (Non-institutional)
05	Dr D. Rajasekhar	Member - Medical - Clinician (Institutional)
06	Dr Alladi Mohan,	Member - Medical - Clinician (Institutional)
07	Dr B. Manohar	Member – Medical - Clinician (Non-Institutional)
08	Dr D.Jamuna	Member-Non-Scientific- Social Scientist (Non-Institutional)
09	Mrs. M. Subhashini	Member- Legal Expert (Non-Institutional)
10	Mrs. K. Mamatha	Member- Lay-Person (Non-Institutional)

Research Committee (RC)

The Research Committee was constituted to assess the research proposals of the faculty prior to their submission to IEC. The research proposals forwarded to the funding agencies are scrutinized. The drug trials to be carried out by the faculty are also assessed periodically. The research proposals of external researchers under the supervision of a co-guide of the Institute who shall be the faculty of SVIMS, are also assessed before granting permission. For the year 2019, 53 proposals (Sl.No. 403 to 455) were assessed. The committee is constituted with following members and meetings were held regularly on every 4th Thursday of each month and the agenda assessed is as detailed below:::

01	Dr P.V.L.N.Srinivasa Rao, Dean and Sr. Prof. & HoD of Biochemistry	Chairman
02	Dr T.S. Ravikumar, Director-cum-VC	Special Invitee
03	Dr Alladi Mohan, Prof. & HoD of Medicine	Member
04	Dr Alok Sachan, Prof. & HoD of Endocrinology	Member
05	Dr V. Suresh, Prof. of Endocrinology	Member

Post Graduate students (MD/DM/MCh)

TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No.	SBAVP Grant Rs.
460	Evaluation of Quick Sequential Organ Failure Assessment (qSOFA) in predicting mortality in intensive care unit	Dr P. Sharon Linnet Postgraduate Junior Resident in MD (Anaesthesia)	Dr M. Hanumantha Rao	854	-	-
461	Comparison of fractionated doses at two different intervals in spinal anesthesia with hyperbaric ropivacaine in patients undergoing infra umbilical surgeries	Dr B. Radhika Postgraduate Junior Resident in MD (Anaesthesia)	Dr M. Hanumantha Rao	855	-	-
462	To compare efficacy of addition of dexmedetomidine or placebo to ropivacaine scalp block to attenuate the hemodynamic response to skull pin placement in neurosurgical procedures	Dr Sahana B.N Postgraduate Junior Resident in MD (Anaesthesia)	Dr Alok Samantaray	856	-	-
463	Effect of perioperative dextrose infusion on postoperative nausea and vomiting : A prospective, double blind randomized placebo controlled study	Dr K. Krishna Priya Postgraduate Junior Resident in MD (Anaesthesia)	Dr Alok Samantaray	857	-	-
464	Role of APACHE II, LODS and admission Chest X Ray in predicting outcome in mechanically ventilated patients	Dr P. Sameera Vani Postgraduate Junior Resident in MD (Anaesthesia)	Dr P. Janaki Subhadra	858	-	-
465	Comparison of ease of intubation with McCoy laryngoscope and CMAC videolaryngoscope in Modified Mallampatti (MMP) grade III and grade IV patients	Dr Meda Venkatasrinivas Postgraduate Junior Resident in MD (Anaesthesia)	Dr P. Hemalatha	859	-	-
466	A comparative study on fixed dose dexmedetomidine and propofol infusions on desflurane consumption during BIS guided laparoscopic surgeries: A randomized controlled study	Dr M. Kishore Postgraduate Junior Resident in MD (Anaesthesiology)	Dr N. Hemanth	860	414	-

467	Attenuation of hypotension associated with the induction dose of propofol : A randomized controlled trial comparing vasopressor doses of phenylephrine and mephentermine	Dr M. Harsha Vardhan Postgraduate Junior Resident in MD (Anaesthesia)	Dr K. Vinay	861	-	-
468	Glycated albumin and glycated hemoglobin levels in non diabetic subjects with iron deficiency anemia	Dr P. Jyothsna Postgraduate Junior Resident in MD (Biochemistry)	Dr M.M Suchitra	862	420	32,598
469	Airway survey in Emergency Department (ED), at a tertiary care teaching hospital in South India	Dr G. Pavan Kumar Postgraduate Junior Resident in MD (Emergency Medicine)	Dr M. Madhu Sudhan	863	-	-
470	Clinical presentation and outcome of postpartum women presenting to emergency department (ED) at tertiary care teaching hospital in South India	Dr S. Sadasiva Raju Postgraduate Junior Resident in MD(Emergency Medicine)	Dr R. Balakrishna	864	-	-
471	Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis	Dr G. Mounika Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	865	-	-
472	Utility of the tourniquet test and white blood cell count to differentiate dengue in patients presenting with acute undifferentiated fever	Dr S. Lavanya Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	866	-	-
473	A study on serum electrolyte status in cancer patients before and after receiving platinum based chemotherapy	Dr Nandaluri Sai Ram Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	867	-	-
474	Study of pulmonary function and chest radiographic abnormalities in patients with rheumatoid arthritis	Dr CVS. Manasa Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	868	415	-
475	Levels of circulating serum thyroid hormones achieved during the management of primary hypothyroidism with replacement doses of oral thyroxine	Dr Haneesha M Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	869	-	-
476	To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus	Dr P. Seelabanu Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	870	431	10,800/-
477	To study outcome of non invasive ventilator support in patients presenting to casualty in our tertiary care centre, Tirupati	Dr Nemileti Mounika Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	871	-	-
478	Aetiology, clinical and haematological profile of patients with Macrocytic Anaemia, a prospective study	Dr K. Hemsai Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	872	430	31,410/-
479	Aetiology, clinical features and predictors of outcome in patients with septic shock (According to sepsis 3 definition) a prospective study	Dr Sunil Kumar C Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	873	-	-

480	Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupati, Andhra Pradesh	Dr K. Vineela Postgraduate Junior Resident in MD (Microbiology)	Dr K.K. Sharma	874	-	-
481	Utility of 99m Tc-MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia	Dr D.S. Hemalatha Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	875	-	-
482	Utility of 99mTc sulfur colloid labelled meal gastric emptying study for evaluation of gastroparesis in diabetic patients	Dr Nimmagadda Ajit Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	876	413	-
483	Utility of 177 lutetium ethylene diamine tetra methylene phosphonate in metastatic bone pain palliation therapy	Dr K Sai Krishnaja Reddy Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	877	-	-
484	Utility of 99mTc sestamibi stress myocardial perfusion scintigraphy in evaluation of coronary artery disease and it's association with dukes threadmill score for risk stratification	Dr T. M. Suma Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	878	-	-
485	Study of HER2/neu in Colorectal Adenocarcinoma by using Immunohistochemistry	Dr G. Swyritha Postgraduate Junior Resident in MD (Pathology)	Dr N. Rukmangadha	879	-	-
486	Usefulness of Dual – staining with a-Methylacyl CoA racemase (AMACR/P504S) & p63Cocktail for the detection of prostate carcinoma	Dr Varaprasad K G Postgraduate Junior Resident in MD (Pathology)	Dr Amith Kumar Chowhan	880	-	-
487	Utility of perfusion weighted MRI and MR spectroscopy in intra cerebral glioma grading	Dr P. Shalinidevi Postgraduate Junior Resident in MD (Radiology)		881	-	-
488	To study the utility of high resolution ultrasound and magnetic resonance imaging in patients presenting with shoulder joint pain.	Dr Lakshmipuram Subramanyam Postgraduate Junior Resident in MD (Radiology)	Dr A.Y. Lakshmi	882	-	-
489	Study of changes in mean diffusivity and fractional anisotropy in intra-axial brain lesions and its utility in management	Dr Harshit Soni Postgraduate Junior Resident in MD (Radiology)	Dr A.Y. Lakshmi	883	-	-
490	Prospective study of whole-body diffusion weighted imaging compared with 18F FDG PET-CT in staging of lymphomas	Dr Devanga Sravani Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijaya Lakshmi Devi	884	-	-
491	Diagnostic performance of prostate imaging reporting and data system version 2 (PIRADS V 2) for detection of prostate cancer	Dr Manchoori Vishnu Prasad Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijaya Lakshmi Devi	885	-	-
492	An observational study on CT-Guided percutaneous nephrostomy	Dr M. Prasanthi Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijaya Lakshmi Devi	886	-	-

493	Role of MR fistulography with percutaneous instillation of aqueous jelly in preoperative evaluation of perianal fistulas	Dr V.C. Venkatesh Postgraduate Junior Resident in MD (Radiology)	Dr Silpa Kadiyala	887	-	-
494	Effect of topical 1% hydrocortisone in prevention of radiation dermatitis in head and neck and breast cancer patients receiving radiation therapy	Dr Gandhavalli Anusha Postgraduate Junior Resident in MD (Radiotherapy)	Dr B.V. Subramanian	888	-	-
495	A comparative study of weekly versus three weekly cisplatin chemotherapy given concurrently with radiotherapy in locally advanced head and neck cancers	Dr K. Sravani Postgraduate Junior Resident in MD (Radiotherapy)	Dr B.V. Subramanian	889	-	-
496	Dosimetric comparison between intensity modulated radiotherapy (IMRT) and three dimensional conformal radiotherapy (3D-CRT) in carcinoma esophagus	Dr Gude Haripriya Postgraduate Junior Resident in MD (Radiotherapy)	Dr Pranabandhu Das	890	-	-
497	Serological characterization of autoantibodies in patients with direct antiglobulin test positive autoimmune hemolytic anemia at a tertiary care teaching hospital in Tirupati	Dr C. Keerthi Postgraduate Junior Resident in MD(Transfusion Medicine)	Dr R. Arun	891	421	50,000/-
498	Assessment of right ventricular strain and strain rate before and after ASD device closure	Dr G. Ram Pavan Kumar Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekahar	931	-	-
499	Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy	Dr Chandrasekhar Reddy P Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekahar	932	-	-
500	Utility of global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction	Dr Madhava Naidu Y Postgraduate Senior Resident in DM (Cardiology)	Dr V. Vanajakshamma	933	-	-
501	Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to autonomic neuropathy	Dr Buddharaju P Varma Postgraduate Senior Resident in DM(Endocrinology)	Dr Alok Sachan	934	-	-
502	A study on the effect of treatment on the prevalence of and ultrasonological grading of non- alcoholic fatty liver disease in patients with hypothyroidism	Dr Anusha N D Postgraduate Senior Resident in DM(Endocrinology)	Dr V. Suresh	935	-	-
503	The Utilization of G8 screening tool to assess toxicities in elderly patients with lung or gastrointestinal cancers from Andhra Pradesh	Dr Phaneendra Mettapalli Postgraduate Senior Resident in DM (Medical Oncology)	Dr Sambasivaiah	936	-	-
504	Evaluation of the tolerability and response rates with dose dense neoadjuvant chemotherapy for breast cancer	Dr Sravan Kumar Reddy V Postgraduate Senior Resident in DM (Medical Oncology)	Dr Sambasivaiah	937	-	-
505	A study on markers of inflammation and oxidative stress in patients of ESRD with peritonitis on peritoneal dialysis	Dr Naga Alekhya B Postgraduate Senior Resident in DM (Nephrology)	Dr R. Ram	938	-	-

506	Correlates of atherosclerotic vascular disease in stable post renal transplant patients	Dr Maria Bethsaida Manual Postgraduate Senior Resident in DM (Nephrology)	Dr R. Ram	939	-	-
507	A study of Neuromyelitis Optica spectrum disorders in tertiary Care centre in South India	Dr A Sunitha Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	940	-	-
508	A prospective study of clinical profile and outcome of patients with acute ischemic stroke receiving intra venous thrombolysis	Dr Sateesh Gudla Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	941	-	-
509	A clinical study on the utility of nerve biopsy in peripheral neuropathy	Dr Srikanth K Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	942	-	-
510	Root cause analysis of Patients with road traffic accidents with head injury attending a tertiary care hospital at Tirupari	Dr G. Sreeram Postgraduate Senior Resident in MCh (Neurosurgery)	Dr V.V. Ramesh Chandra	943	-	-
511	A Prospective study of clinical and radiological outcomes with Cisternostomy in the management of traumatic brain injury	Dr Hanuma Naik B, Postgraduate Senior Resident in MCh (Neurosurgery)	Dr V.V. Ramesh Chandra	944	-	-
512	A study to determine the ability of pain drawings to predict various degenerative lumbar spine pathologies and correlation with the clinical radiological findings	Dr Mohana Murali Krishna N Postgraduate Senior Resident in MCh (Neurosurgery)	Dr V.V. Ramesh Chandra	945	-	-
513	Effect of antecolic or retrocolic gastrojejunostomy on delayed gastric emptying after pancreaticoduodenectomy	Dr Lokesh Arora Postgraduate Senior Resident in MCh (Surgical GE)	Dr V. Venkatarami Reddy	946	-	-
514	A Prospective study to evaluate the prevalence and pattern of axillary lymph node metastasis in patients undergoing surgery for carcinoma breast	Dr C. Sai Praneeth Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	947	-	-
515	Dynamic contrast enhanced magnetic resonance imaging vs 18-F-FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer	Dr Chaitanya Vani S, Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	948	-	-
516	Study of comparison between alpha blockers (Tamsulosin) vs alpha blockers plus anticholinergics (Tamsulosin plus tolterodine) in improving the ureteral stent discomfort	Dr Goutham Krishna Reddy M Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	949	-	-
517	Midstream urine, Pelvic Urine and Renal stone Culture & sensitivity as Predictors of Urosepsis following Percutaneous Nephrolithotomy – A Prospective observational study	Dr Narendranath L Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	950	-	-

518	Autologous tensor fascia lata transvaginal sling vs autologous rectus fascia transvaginal sling for the treatment of urinary stress incontinence – A Prospective Study	Dr Ravinder Singh Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	951	-	-
519	Comparison of percutaneous nephrolithotomy (PCNL) outcomes in different stone density values	Dr Amith Kumar Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	952	-	-
-	A study of oxidative stress, inflammation and Endothelial dysfunction in diabetic and non-diabetic Chronic kidney disease pre-dialysis patients	Dr K. Naveen Kumar PG Sr. Resident (Nephrology)	Dr R. Ram	-	448	50,000/-
-	Body composition and mediators of energy homeostasis in hyperthyroidism	Dr Avinash Patil PG Sr. Resident (Endocrinology)	Dr V. Suresh	-	450	1,59,300/-
-	Study of KRAS, MLH1,MSH2 and MSH6 mutations in colorectal adenocarcinoma using Immunohistochemistry	Dr B. Soumia P.G. Jr. resident (Pathology)	-	-	452	50,000/-
-	Molecular characterization of malignant epithelial ovarian tumours with the help of IHC markers KRAS, BRAF,PTEN, PIK3CA & P53	Dr E. Krishna Chaithanya P.G. Jr. resident (Pathology)	-		453	50,000/-

The MBBS, MSc Students and Research Scholars of the University and neighboring Universities have submitted their protocols for clearance in the IEC

S. No.	Title	Submitted by	Guide	IEC No.	R.C. No.
1	To study the efficacy of aerobic exercises and yoga asanas on pain, menstrual distress, physical activity in subjects with primary dysmenorrhea	S. Saradha, MPT College of Physiotherapy	Dr K. Madhavi	844	-
2	Effect of teletherapy on glycemic control, physical activity and quality of life in type 2 diabetes mellitus individuals	S. Anjani, MPT College of Physiotherapy	Dr K. Madhavi	845	-
3	Study on the genetic diversity of mycobacterium tuberculosis complex isolated from previously treated sputum smear positive patients with pulmonary tuberculosis	A. Srikar, Research Scholar Microbiology	Dr Abhijit Chaudhury	-	404
4	Serologic study of human parvovirus B19 infection in patients with fever and rash	K. Sheela Grace MSc (Microbiology)	Dr Abhijit Chaudhury	851	-
5	Prevalence and antimicrobial susceptibility pattern of acinetobacter species among various clinical sample in a tertiary care teaching hospital SVIMS, Tirupati.	P. Sneha MSc. (Microbiology)	Dr N. Ramakrishna	852	-
6	Effect of core stability exercises and suryanamaskara on balance in female badminton players	A. Navya Sri MPT, COP	Dr A. Viswanath Reddy	892	-

7	Effect of ballistic training versus Nordic hamstring curls on sprint performance in recreational sprinters	K. Nagarjuna MPT, COP	Dr A. Viswanath Reddy	893	-
8	Study of anti-atherogenic effects of rosuvastatin in South Indian patients with type 2 diabetes mellitus	S. Naresh Research Scholar (Biochemistry)	Dr Aparna R Bitla	898	-
9	Arterial stiffness in type 2 diabetes mellitus with hypertension	S. Alla Bakash MSc (Physiology)	Dr Sharan B Singh	901	-
10	Prevalence and presentation of PCOD among medical students of SPMC(W)	G. Vijayalakshmi MBBS 2nd year SPMC(W)	Dr N. Sharvani	902	-
11	Antimicrobial drugs usage and clinical outcomes in multidrug resistant gram negative bacterial infections in a tertiary care teaching hospital	R. Venkata Sai Deepthi MBBS 2nd year SPMC(W)	Dr K. Vijaya Chandra Reddy	903	-
12	To study the association between anthropometric indices, lipid accumulation product and atherogenic indices among the adolescents	K. Darshini MBBS 2nd year, SPMC(W)	Dr N. Harini Devi	904	-
13	Study of high sensitivity C-reactive protein levels in apparently healthy overweight and obese individuals	K. Dharani Priya MBBS 2nd year, SPMC(W)	Dr VS. Kiranmayi	905	-
14	Study of association of eGFR using different equations with hypertensive renal damage	V. Ramyasree MBBS 2nd year, SPMC(W)	Dr Aparna R Bitla	906	-
15	Gender bias experiences among rural adolescent girls	K. Anuhya MBBS 2nd year, SPMC(W)	Dr Anju. D. Ade	907	-
16	Effect of Heartfulness meditation in modulation of cardiovascular response to stress induced by isometric handgrip test in hypertensive patients	Sistla Akhila MBBS 2nd year, SPMC(W)	Dr M. Sharan B. Singh	908	-
17	An open label study to evaluate the efficacy and safety of oral herbal liquid formulation Arborium Plus in the treatment of Diabetic foot syndrome	B. Bhavya MBBS 2nd year, SPMC(W)	Dr Pallavi Chalivendra	909	-
18	The efficacy of chair aerobic exercises on cognitive functions, physical activity and quality of life in geriatric population in a tertiary care center in Tirupati	P.R Charan Kumar (MPT) COP,SVIMS	Dr K. Madhavi	910	-
19	Effects of cow ghee on lipid profile changes and lipid peroxidation in healthy human volunteers before and after consuming ghee	K. Munisekhar Research Scholar Physiology	Dr Sharan B Singh	913	438
20	Assessment of Risk of type 2 diabetes mellitus in tuberculosis patients using India diabetes risk score in rural area of Chittoor District: A Cross sectional study	O. Srisai III year, MBBS, SPMC(W), SVIMS	Dr V. Chandra Sekhar	914	-
21	Study of lifestyle disease risk factor among high school students in Tirupati: A base line study for intervention	C. Venkata Mounika III year, MBBS SPMC(W), SVIMS	Dr G. Visweswara Rao	915	-
22	Pulmonary hypertension in patients of end stage renal disease (ESRD) on chronic peritoneal dialysis	E. Annaiah MSc, (Medical Physiology)	Dr N. Sharvani	916	-

23	Assessing pharmacotherapeutic management of anemia in various stages of chronic kidney disease and post renal transplant patients	P. Komalapriya, M. Geervani, K. Nikitha A. Pooja (V-P harma D) Sree Vidyanikethan College of Pharmacy	Mr. S. Dhanunjaya Dr v. Siva Kumar	917	-
24	A prospective study on prevalence and risk factors of uterine fibroid in patients with abnormal uterine bleeding and anemia	C. Ajay, D Aruna Jyothi, D. Dijitha, G. Bhargava Reddy Sree Vidyanikethan College of Pharmacy	Dr S. Navaneetha Krishna Dr K. Vanaja	918	-
25	An observational study on various physical co-morbidities and medication usage in patients attending to psychiatry out-patient department in a tertiary care hospital	E. Sukanya, A.D. Thejasri V. Pooja pragathi, K. Srilakshmi Sree Vidyanikethan College of Pharmacy	Dr B. Jeevan Kumar Dr B. Sivanandh	919	-
26	A retrospective study on antibiotic microbial sensitivity in type 2 diabetes mellitus patients with urinary tract infections	K. Jyothsna, B. Manoja D. Sasiprasad, K. Tejasri Sree Vidyanikethan College of Pharmacy	Ms. K. Anitha Dr P. Sai Krishna Chaitanya	920	-
27	Assessment and monitoring of clinical profiles, prescription patterns and adverse drug reactions of vitiligo patients in dermatology outpatient department: A prospective study	M. Govardhan Reddy, M. Indraneel, T. Kiranmayi P.R. Sneha Reddy Sree Vidyanikethan College of Pharmacy	Mrs. O. Divya Rekha Dr T. Ram Sharan	921	-
28	Assessment of quality of life of breast cancer patients undergoing chemotherapy in a tertiary care hospital	K.Sainath Reddy, SP. Sindhu, E. Sowmya, V. Sumitha Sree Vidyanikethan College of Pharmacy	Dr Y. Chaithanya Kumar Dr K. Sambasivaiah	922	-
29	A Prospective study on etiology, clinical presentation, clinical outcomes, prescription pattern and medication adherence of patients with atrial fibrillation	M. Naveena, P. Pushpa, M. Sumitra Sree Vidyanikethan College of Pharmacy	Dr P. Latha Dr V. Vanajakshamma	923	-
30	Patients experiences and attitudes towards the quality of care during electroconvulsive therapy	T. Saranya, S. Sujatha Shaik. Shahjahan Seven Hills College of Pharmacy	Dr Grace Ann Varghese Dr B. Sivanandh	924	-
31	A prospective study on effectiveness of pregabalin on pre-operative anxiety and post operative pain among patients undergoing discectomy	A. Heena Kausar, C.V. Keerthi, P. Latha Sree, I. Lavanya Seven Hills College of Pharmacy	Dr E. Sunil Kumar Dr V.V. Ramesh Chandra	925	-
32	A prospective study to compare the anti-emetic efficacy of a three drug regimen with aprepitant to a two drug regimen without aprepitant in preventing chemotherapy induced nausea and vomiting in treatment of head, neck and uterine cervical cancer	K. Charitha Reddy, S. Deepika, S. Habeebjan, G. Harika Sree Seven Hills College of Pharmacy	Dr Robin George Dr Pranabandhu Das	926	-

33	A prospective observational study on prescribing patterns of drugs and use of antibiotics in diabetic foot patients	D. Manjusha , B. Mohana Lakshmi P. Monika, C. Navyakeerthi Seven Hills College of Pharmacy	Dr Geisha Merin Varghese Dr B. Srihari Rao	927	-
34	Catheter-related blood stream infections in hemodialysis patients: A retrospective study	P. Vinay Kumar, K. Vinitha Chowdary, G. Yuvanandhan Seven Hills College of Pharmacy	Dr P. Roopika Dr V. Siva Kumar	928	-
35	A prospective study on effects of angiotensin converting enzyme inhibitors, angiotensin II receptor antagonists and eplerenone on renal outcomes in diabetic nephropathy	S. Priyadarshini, S. Priyanka, Y. Sai Srujana, Seven Hills College of Pharmacy	Dr S. Sireesha Dr R. Ram	929	-
36	A study on the prescribing patterns of antibiotics and causative organisms in patients with community acquired pneumonia at a tertiary care teaching hospital in Southern India	B. Abhishekar Reddy S. M. Akmal, T. Bhavana, R. Bhavya Sree Seven Hills College of Pharmacy	Dr Radhika Krishnan Dr K.M. Bhargav	930	-
37	Comparative study to assess the role of alternate nostril breathing on stress among medical students studying in Sri Padmavathi Medical College for Women in Tiruapati	T. Mounika, MBBS III year SVIMS. SPMC(W)	Dr N. Sharvani	954	-
38	A study of bacteriological profile and antimicrobial susceptibility pattern of isolates from stethoscopes and mobile phones used by clinicians in a tertiary care hospital, South India	Shaik Aiman Fatima, MBBS IV year SVIMS, SPMC(W)	Dr R. Jayapradha	955	-
39	A descriptive study of admissions for Urinary Tract infections in patients with Diabetes mellitus	P. Narmada, MBBS IV year SVIMS, SPMC(W)	Dr Alok Sachan	956	-
40	Stroke awareness: knowledge, attitude and health seeking behavior of rural population in tertiary care hospital, SVIMS, Tiruapati	G. Chamundeswari G. Bhagyalakshmi, K. Lahari Reddy O. Krishna Sai Reddy Krishna Teja Pharmacy College	Dr G. Sai Sri Harsha Dr S.V. Naveen Prasad	957	-
41	A retrospective study on clinical and biochemical profile of geriatric patients with type 2 diabetes mellitus	P. Nahidha Khanam S. Govind Naik, K. Thirveni V. Mounika Yadav Krishna Teja Pharmacy College	Dr P. Dharani Prasad Dr B. Sree Divya	958	-
42	Pharmacotherapeutic management of tuberculosis in patients of chronic kidney disease	T. Manasa Reddy, A. Pavithra P. Phani Sameera, N. Havila Krishna Teja Pharmacy College	Dr C. Mohana Dr V. Siva Kumar	959	-
43	A study on prescribing patterns of antibiotics in urinary tract infection patients in a tertiary care teaching hospital, SVIMS, Tirupati	P.G. Geervani, M. Vaishanavi , N. Mounika P. Venkateswarlu Krishna Teja Pharmacy College	Dr K.T. Naik Dr K.M. Bhargav	960	-
44	Prescribing patterns of cardiovascular drugs in diabetic patients	C. Vinayaka, G. Sasi Kala K. Swapna, K. Raja Nandini Krishna Teja Pharmacy College	Dr V. Jaya Sankar Reddy Dr K.M. Bhargav	961	-

45	A study on pharmacotherapeutic management of diabetes mellitus in the patients of chronic kidney disease at various stages	A. Ashok, K. Sai Prasanna Proserwell Thabab Krishna Teja Pharmacy College	Dr V. Prabhakaran Dr V. Siva Kumar	962	-
46	The clinical epidemiological study of ACNE vulgaris in tertiary care hospital, SVIM, Tirupati.	J. Kiran Kumari, M. Ganesh Kumar T. Keerthi, V. Snehasela Krishna Teja Pharmacy College	Dr S. Suman Dr A. Surekha	963	-
47	Morphological, morphometric and ultra structural studies on effectiveness of Ginkgo Biloba extract (IGBE-761) in alleviation of cadmium toxicity in the testis of wistar rat	K. Thyagaraju Research Scholar Anatomy	Dr V. Subhadra Devi	-	422
48	Structural and ultrastructural changes in adrenal gland of male wistar rats following stress and treatment with withania somnifera (ashwagandha)	B. Ravindra Kumar Research Scholar Anatomy	Dr V. Subhadra Devi	-	423
49	Potential drug target identification and inhibitor design for human breast cancer through transcriptomic analysis	Sharon Priya Alexander PhD Scholar (Bioinformatics)	Dr A. Umamaheswari	967	-
50	Molecular characterization of proteases of staphylococcus aureus ATCC12600	G. Deepika PhD Scholar, Biotechnology	Dr P.V.G.K. Sarma	968	454
51	Characterization of molecular interactions of 4-Methoxy 1-Methyl 2-Oxypyridine 3-carbamide (MMOXC) with specified targets and evaluation of its anti-staphylococcus aureus and anti biofilm activity	S. Subbarayudu Research Scholar Biotechnology	Dr P.V.G.K. Sarma	969	455
52	A study on Nutritional status among adolescent girls in rural areas of Tirupati.	K. Neeraja, MBBS III year SVIMS, SPMC(W)	Dr G. Visweswara Rao	974	-
53	Knowledge, attitude and practice of breast-feeding among post natal mothers in Rural area of Tirupati, Andhra Pradesh.	M. Divya Bharathi MBBS III year SVIMS, SPMC(W)	Dr D. Ravi Sanjar	975	-
54	Nutritional status of children aged 2 to 5 years in Urban field practice area of a Medical college in Tirupati, Andhra Pradesh.	M. Meghana, Sumalini MBBS III year SVIMS, SPMC(W)	Dr V. Chandrasekhar	976	-
55	Prescription patterns of hypoglycemic agents and RAAS blockers in controlling the HbA1C, Microalbuminuria and creatinin levels among diabetic nephropathy patients.	Nagoori Nowjiya Pharma D (PB)-II Seven Hills College of Pharmacy	Dr Robin George Dr R. Ram	979	-
56	A Prospective on pain intensity and coping strategies in patient's suffering with rheumatoid arthritis.	D.Mubeen Taj M. Pavani, Pharma D (PB)-II Sree Vidyanikethan College of Pharmacy	Dr B. Jeevan Kumar Dr B. Sivanandh	980	-

The Faculty of SVIMS have submitted their protocols for clearance in the IEC

IEC No.	Title	Principal Investigator	Res. Com. No.
-	To study the levels of urinary N-acetylglucosaminidase in patients with type 1 diabetes mellitus	Dr N. Harini Devi Asst. Professor, Biochemistry	405 87,450/-
-	Association of bone isoform of alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus	Dr N. Harini Devi Asst. Professor, Biochemistry	406 39,750/-
-	To study the association of salivary urea with oral hygiene index in pre dialysis patients with chronic kidney disease	Dr N. Harini Devi Asst. Professor, Biochemistry	407 18,000/-
838	Rapid molecular evaluation of surgical resection margin of cancer using mass spectrometric imaging	Dr H. Narendra Professor & HoD, Surgical Oncology	-
846	Assessment of Neuraminidase Inhibitor susceptibility by detecting H275Y mutation in Influenza (H1N1) pdm09 virus during 2018-19 seasons	Dr Usha Kalawat Professor	-
847	A study on the genetic diversity of mycobacterium tuberculosis complex isolated from newly diagnosed sputum smear positive patients with pulmonary tuberculosis	Dr Abhijit Chaudhury Professor Microbiology	419 7,00783/-
848	A study of epidemiological and clinical profile of pediatric central nervous system tumors from a tertiary care center in South India	Dr Rinu Dwivedi Asst. Professor, Paediatrics	-
849	A study to evaluate the prescription pattern of antimicrobials in patients with chronic kidney disease in a tertiary care hospital	Dr Pallavi Chalivendra Asst. Professor, Pharmacology	-
850	Assessment of metabolic differences between patients suffering from schizophrenia and Health population using paper spray ionization mass spectrometric study of blood.	Dr Sivanandh Budarapu Asst. Professor, Psychiatry	-
894	Clinical utility of fluorine 18 fluorodeoxyglucose positron emission tomography computed tomography in Rheumatology	Dr Sirisha Kommireddy Asst. Professor, Rheumatology	-
895	Screening of employees of SVIMS hospital (tertiary care hospital) aged =40 years for their health status	Dr V. Vanajakshamma Professor, Cardiology	416 25,11,525/-
896	Assessment of impact of health education program through lifestyle modification intervention among the employees of SVIMS hospital	Dr V. Vanajakshamma Professor, Cardiology	-
897	Prevalence, risk factors and laboratory diagnosis of nontuberculous mycobacterial (NTM) disease	Dr A. Mohan Professor & HoD, Medicine	-
-	Evaluation of reduction in multidrug resistance after implementation of an Antimicrobial stewardship program & infection control practices among ICU's in a tertiary care hospital in South India	Dr R. Jayapradha Asst. Professor Microbiology	398
-	Study of changes in mean diffusivity and fractional anisotropy in intra-axial brain lesions and its utility in management	Dr A.Y. Lakshmi Professor, Radiology	411 3,20,000/-
-	Prospective study of whole-body diffusion weighted imaging compared with 18F FDG PET-CT in staging of lymphomas	Dr B. Vijaya Lakshmi Devi Professor, Radiology	412 3,46,000/-
-	Evaluation of 99mTc sulfur colloid labelled meal Gastric emptying study for evaluation of gastroparesis in diabetic patients	Dr Tekchand Kalawat Professor & HoD, Nuclear Medicine	413 2,91,500/-
899	Improving the Health care access among scheduled tribes: An implementation research in Chittoor District, Andhra Pradesh	Dr K. Nagaraja Professor & HOD Community Medicine, SPMC(W)	-

900	Self care practices and quality of life among diabetic patients in rural area of Chittoor District, Andhra Pradesh	Dr K. Nagaraja Professor & HOD Community Medicine,SPMC(W)	-
911	Effect of Heartfulness meditation practices in hypertensive patients	Dr V. Vanajakshamma Professor, Cardiology	391 7,29,120/-
912	The Impact of heart failure on household economic well-being	Dr D. Rajasekhar Sr. Prof. & HoD, Cardiology	-
953	Assessment of impact of flipped classroom on student educational experience with respect to performance and perception in comparison with didactic lecture in topics classified based on Bloom's taxonomy	Dr Arpana Bhide Assoc. Professor Physiology	410
-	Glycated albumin and glycated hemoglobin levels in non diabetic subjects with iron deficiency	Dr MM. Suchitra Assoc. Professor, Biochemistry	417 1,85,100/-
-	Diagnostic performance of prostate imaging reporting and data system version 2 (PIRADS V 2) for detection of prostate cancer	Dr B. Vijaya Lakshmi Devi Professor, Radiology	418 3,20,000/-
964	Harmonized diagnostic assessment of dementia (DAD) for longitudinal aging study of India (LASI)	Dr D.T. Katyarmal Assoc. Professor, Medicine	449
-	Utility of perfusion weighted MRI and MR spectroscopy in intra cerebral glioma grading	Dr A.Y. Lakshmi Professor & HoD, Radiology	425 5,11,500/-
-	Dynamic contrast enhanced magnetic resonance imaging vs 18-F-FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer	Dr H. Narendra Professor & HoD Surgical Oncology	426 15,60,000/-
-	Study of association of eGFR using different equations with hypertensive renal damage	Dr Aparna R Bitla Professor, Biochemistry	427 52,800/-
-	Study of high sensitivity C-reactive protein levels in apparently healthy overweight and obese individuals	Dr V.S. Kiranmyi Assoc. Professor, Biochemistry	428 71,400/-
-	To study the association between anthropometric indices, lipid accumulation product and atherogenic indices among the adolescents	Dr N. Harini Devi Assoc. Professor, Biochemistry	429 54,000/-
-	Evaluation of the performance characteristics of rapid identification and susceptibility testing of bacterial blood culture with the use of automated system	Dr Anju Verma Asst. Professor, Microbiology	436
-	Effect of cow ghee on lipid profile changes and lipid peroxidation in healthy human volunteers before and after consuming ghee	Dr Sharan B Singh Professor & HoD, Physiology	439 1,08,600/-
-	National in hospital emergency response system survey "Code Blue"	Dr T.S. Ravikumar Director-cum-VC	440
-	Personalised therapy for breast cancer by developing data-driven algorithm with deep learning technology	Dr T.S. Ravikumar Director-cum-VC	443
965	Molecular analysis of nephritic syndrome by desorption electrospray ionization mass spectrometric imaging	Dr R. Ram Prof., Nephrology	-
966	Study of Erythrocytosis/Polycythemia in a tertiary care teaching hospital	Dr C. Chandra Sekhar, Assoc. Prof. Hematology	-
970	Personalised therapy for breast cancer by developing data-driven algorithm with deep learning technology	T.S. Ravikumar Director-cum-VC	443
971	Identification of drug targets for communicable and non- communicable diseases and development of theranostics	Dr A. Umamaheswari Assoc. Professor, Bioinformatics	-
972	Correction of three dimensional computerized tomographic renal volumetric with DTPA split renal function in prospective donors for renal transplantation	Dr Pavankumar, G. Kale Assoc. Professor, Radiology	-

-	Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to autonomic neuropathy	Dr Alok Sachan Professor & HoD, Endocrinology	444 3,26,000/-
-	A study on the effect of treatment on the prevalence of and ultrasonological grading of non- alcoholic fatty liver disease in patients with hypothyroidism	Dr V. Suresh Professor, Endocrinology	445 2,68,000/-
-	A study of oxidative stress, inflammation and Endothelial dysfunction in diabetic and non-diabetic Chronic kidney disease pre-dialysis patients	Dr R.Ram Professor & HoD, Nephrology	446 3,58,200/-
-	Gonadal function and body composition in adult men with non diabetic chronic kidney disease (predialysis)	Dr R. Ram Professor & HoD, Nephrology	447 4,52,500/-
-	Harmonized diagnostic assessment of dementia (DAD) for longitudinal aging study of India (LASI)	Dr D.T. Katyarmal Assoc. Professor, Medicine	449
-	Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis	Dr A. Mohan Prof. & HoD, Dept. of Medicine	452 3,20,000/-
-	Morbidity status and Socio-cultural profile of population in villages near tailing pond of Uranium Corporation of India, Thummalapalli, YSR Kadapa District – A Cross-sectional study	Dr K. Nagaraj Professor & HoD, Community Medicine	981

6.6 Events at SVIMS

1. **Siddha Clinical Research unit** was started its service in SVIMS on 16.01.2019. Shri Shripad Yesso Naik, Hon'ble Minister of State, Ministry of AYUSH, Govt. of India inaugurated the function.



2. SVIMS conducted 23rd NTR's (Founder of SVIMS) Vardhanthi and Distributed Anna Prasadam to the Patients and their attendants on 18.01.2019 in SVIMS Campus



3. An awareness programme was conducted on 21.01.2019 in SVIMS on EPF & ESI to the Outsourcing workers of SVIMS, Tirupati. Mr. Leburi Ratna Kumar, Member for Regional Advisory committee, National Board for workers education and development, Govt. of India, Vijayawada organized the event.



4. **70th Republic Day celebrations** were held on 26.01.2019. The Director-cum-VC addressed the gathering. The employees who rendered good services were honoured with merit certificates and cash prizes. The Institute calendar with schedule of Academic events are also released on the occasion.



5. **SVIMS UNIFEST 2019** was commenced on 31.01.2019. Started sports & cultural programmes in connection with 26th Anniversary.



6. **World cancer day** was observed on 04.02.2019. A public awareness programme and mega medical camp was organized at Naravari palli aided by Pink bus. Director-cum-VC, Doctors, staff & students from SVIMS attended the camp. The patients utilized the services, Health education programmes and supplied Medicine to the patients at free of cost.



7. **The Sports day** was conducted on 18.02.2019 in connection with 26th Anniversary celebrations of the University. Sri B. Lakshmi Kantham, IAS TTD Joint Executive Officer, Tirupati, was the Chief Guest on the occasion. The sports day celebrations began with lightening of the sports torch, flag hoisting by the JEO and SVIMS Director-cum-VC



8. Digital Mammography donated to the Dept. of Radiology, SVIMS on 19.02.2019 by Rotary Club, Tirupati.



Annual Report 2019

9. SVIMS has lined up two big events during its 1st Annual Research cum Alumni day on 24.02.2019, one of the highlights is execution of an MoU between SVIMS and IISER and announcement of up-gradation of SVIMS VRDL as a State level laboratory by Govt. of India ICMR-DHR.



10. SVIMS Anniversary Day was celebrated on 26.02.2019. Smt. Poonam Malakondaiah, IAS, Special Chief Secretary, Dept. of HM & FW attended as a Chief Guest.



11. The International Women's day was celebrated at SVIMS on 08.03.2019, the Director-cum-VC addressed the women gathered, on the measures to be taken on prevention of cancer. A rally was conducted by SVIMS.



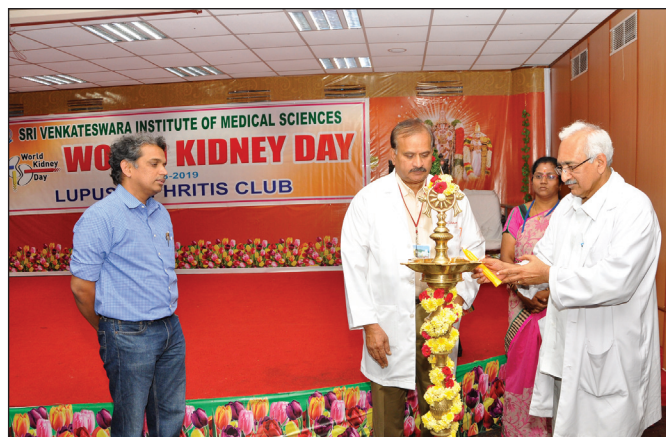
12. World Oral Health Day was observed in SVIMS. Dept. of Dentistry organised Free Medical camp on this occasion at Mangalam PHC on 20.03.2019.



13. Central for Advanced Research (CfAR) was inaugurated by Sri Rajiv Sri Gopal Bajaj ji of Vital Laboratories Pvt. Ltd., Mumbai. In CfAR building at Ground Floor Health Technology Innovation & Incubation Centre (HTIIC) was inaugurated by the SVIMS Director cum VC along with the Sri Koti Saripalli, Founder & Chairman of Koti Group



14. World Kidney Day was observed on 14.03.2019. An awareness programme was conducted on Kidney disease. Renal Lupus club started in SVIMS to give awareness on Kidney diseases by the department of Nephrology



15. **World Tuberculosis Day** was conducted on 24.03.2019. Dr Alladi Mohan, Prof.&HoD, Dept. of Medicine spoke on current updates on TB control.



16. **“World Health Day”** was observed on 07.04.2019. The Director-cum-VC along with the members of total rural and urban empowerment have distributed fruits and buttermilk packets to the in-patients, SVIMS, SPMCW conducted a quiz competition in this event.



17. 8th Anniversary celebrations at Balamithra Creche, Boy's Hostel, SVIMS campus on 10.04.2019. Director-cum-VC attended the event along with faculty of SVIMS.



18. SVIMS grandly celebrated Bharatharathna Dr B.R.Ambedkar's 128th Jayanthi at Sri Padmavathi Auditorium on 15.04.2019. Dr Hanumantha Rao, I/c Director cum VC inaugurated the celebrations along with Chief Guest Dr Srihari Rao, Sr. Prof Dr V. Sivakumar, Dr T.C. Kalawat, Dr AlokSachan and senior faculty of SVIMS.



19. SVIMS organised Voluntary Blood Donation camp at Jagnamatha Church on 19.04.2019. During this camp 100 persons have participated and 71 persons donated Blood.



20. SVIMS organised Hayagreeva 2019 QUIZ programme for State level MBBS students. As many as 90 students have participated from 12 Medical Colleges. SVIMS Director cum VC Dr T.S.Ravikumar attended as a Chief Guest and inaugurated. Guntur Medical College bagged 1st Prize and SVIMS- SPMC(W) got 2nd prize.



21. SVIMS organised a 2 day Mega Health Camp for TTD Employees. During this camp 1345 TTD employees were examined out of which 1045 have underwent different Blood tests and ECG. A total of 300 people got registered for Pink Bus. Breast exam was done for 163 women, Mammogram for 90 women, Pap smear test for 142 women, oral testing for 189 women and ultra-sound tests for 35 women were done in the Pink bus.



22. 109th International Nurses day was celebrated on 12.05.2019. The Director cum VC inaugurated the function and addressed the Nursing staff. The Nurses are seen, taking the pledge.



23. World No Tobacco Day was observed on 31.05.2019 organized by Dr Alladi Mohan, Prof.& HoD, Dept. of Medicine on the theme “Kick Tobacco”



24. World Voluntary blood donor day was organized by the department of Transfusion Medicine on 14.06.2019.



25. 6th International Yoga day was observed on 21.06.2019 to bring awareness on practicing Yoga among the students, staff & faculty.



26. SVIMS administration provided the Generic Medical Shop facility for the convenience of the poor patients and public, which was inaugurated by Sri Bhoomana Karunakar Reddy, MLA of Tirupati.



7. World Organ Donation day was celebrated on 13.08.2019. Awareness rally was conducted by SVIMS faculty, staff & students.



28. 73rd Independence Day was celebrated on 15.08.2019. Director-cum-VC i/c hoisted the flag, administered pledge and gave message to the faculty, staff and students to re-dedicate their services to humanity.



29. Teachers Day was observed on 05.09.2019. The Director-cum-VC addressed the gathering.



30. SVIMS Director cum VC Dr. B.Vengamma participated in Police Commemoration day at Parade ground, Tirupati along with Sri Chevireddy Bhaskar Reddy, MLA, Dr. Gajarao Bhupal, Urban District S.P and other district officials to remember the martyrs who sacrificed their lives for the nation's integrity and security.



31. PG orientation programme was held on 21.09.2019 for PG residents (MD/DM/MCh). The Director-cum-VC, HoD's, Faculty and administrative heads made a presentation on facilities, procedures available in their Departments. The Resident Manual 2019 was released and distributed to PG's.



32. World Heart day was organized and an awareness programme was conducted on 29.09.2019. Dr. Vanajakshamma, Professor of Cardiology is seen addressing the patients and public to protect themselves from heart diseases.



33. **Freshers' day** was celebrated by SVIMS, SPMC(W) in Mahathi Auditorumon 23.10.2019. The chief guests were Smt Vemireddi Prasanthi and Smt. Muppavarapu Nischitha, TTD Board members. The College of Nursing celebrated Freshers' day Celebrations on 22-11-2019 at Sri Padmavathi Auditorium. Nagari MLA Smt. R.K.Roja attended as a Chief guest and Smt. Radharamanasri was Special guest.



- 34. Vigilance awareness programme** was organized on 28.10.2019. The Registrar took “integrity pledge” from the employees.



- 35. World Stroke Day** was observed on 31.10.2019 organized by Neurology Department, Director cum Vice Chancellor Dr. B. Vengamma inaugurated the programme.



- 36. T.T.D. Chairman Sri Y.V.Subba Reddy, TTD J.E.O. Sri Basanth Kumar and SVIMS Director cum VC, Dr. B.Vengamma** inaugurated Generic Medical Shop at O.P.D. Block on 01.11.2019.



37. Opening ceremony of “Meditation Hall” on 08.11.2019 under Sri Padmavathi OPD Hall, room no. 40 of Cardiology Block by Director-cum-VC for SVIMS staff and patients.



38. SVIMS director cum Vice Chancellor Dr B.Vengamma participated in awareness programme organised by the SETWIN, Dept. of Youth Services at SVIMS University. SVIMS Director cum VC Dr B.Vengamma addressing the occasion, insisted that girls should be able to understand the psychology of the persons whom they are interacting, to develop self-confidence and social cognitive knowledge.



6.7 Sports Report

The University Sports Board was very active and organizing various sports and games activities and participated in Inter University, State and National level competitions for the year 2019.

National Level Tournament:

The SVIMS staff also represented and participated in National Level Tournament:

Event	Name of the Participant	Organized by	Date	Result
Tennis	Mr.M.Hari Prasad Reddy, Sr.Asst., Credit Cell	Kolkatta, All India Senior Tennis Association	25-08-2019 to 27-08-2019	Participation and meritorious Certificate

6.8 UNIFEST -2019: On the occasion of 26th Anniversary celebrations sports and Games competitions were held during Jan-Feb 2019. During the competitions, the staff, their children and students actively participated. The winners of the competitions are as follows:

Champions in various sports and games:

S.No	Event Name	Category	Winner Champion	Runners Champion
1	Throw Ball (Women)	Staff	Dr Janaki Subhadra, Assoc. Prof. Ansthesia & Team	Mrs. Sarada Devi, NS G-II & Team.
2	Badminton (Women)	Staff	Mr.Kiranmayee, & MsMohasheena, Tech. Dept. of Pathology	Dr Deepthy & DrVishnu,
3	Badminton Doubles [Men]	Staff	Mr.Devendra Kumar Reddy, [NVSS] & Mr. Murali Mohan Reddy, CE Section.	Mr. NSR. Murali Krishna, AMRO & Mr. Chandra Mohan, Out sousing, GM section.
4	Cricket [Men]	Staff	Dialysis Team Captain Mr. Sankar and Team	Security Team, Captain K.V. Chandra Sekhar & Team Players
5	Cricket [Men]	Students	College of Nursing, SVIMS Captain- G. Ganga Prasad, BSc Nur. Final Year & Team Players	AHS [PMTTC] team, Captain – Mr. B.Vivek, AHS-EMST-Final yr., & Team Players.
6	Cricket (Women)	Students	College of Nursing, SVIMS-captain- Miss C.Swathi, IV yr. & Team Players	College of Nursing, SVIMS-captain-Miss B.Mouluka, IV yr. & Team Players
7	Volleyball (Men)	Students & Staff	College of Physiotherapy, SVIMS -captain-S.Md.Ali, MPT, Final yr. & team players	College of Physiotherapy, SVIMS – Captain- E. Sreekanth, BPT, III Yr. & team players
8	Volleyball (Women)	students	College of Nursing, SVIMS Captain-K.Maheswari, Final yr. BSc Nur. & team Players.	College of Nursing, SVIMS – captain- E.Shobha Rani,, BSc.(N),final yr. & team players
9	Badminton Doubles(Men & Women)	Students	College of Physiotherapy Boys:S.Mohammed Ali, MPT & N.Jagadeesh, BPT Final yr. College of Nursing Girls: N.Lokeswari & P.Harathi, B.Sc.(Nur) Final yr.	College of Physiotherapy Boys: Mr.Bharath, & Mr.Dheeraj, BPT III yr. College of Physiotherapy Girls: Mis.Bhargavi & Miss.C.Deepika, BPT Final Yr.
10	Kho-Kho (Men & Women)	Students	COP, Boys: Mr.Chinna Swami Reddy, F.YR.& Team Players Girls: Mis.B.Sravani, B.Sc.(N) F yr. & Team Players.	AHS[PMTTC] Boys: Mr.Mr.Kumar Raja & Team Players. Girls: CON Ms.E.Shobha Rani, B.Sc[N] Final yr. & team players.
11	Kabaddi (Men)	Students	College of Physiotherapy Boys:Mr.T.Balaji Babu, BPT final yr. & Team Players	AHS [PMTTC] team, Captain – Mr.Pavan Kumar, PMTC Final yr. & team Players.
12	Kabaddi (Men)	Staff	Security King StarsTeam, Captain Mr.P.Tharak Raman & Team Players	Security Lion Team, Captain K.G.Chandra Shekar, & Team Players

Unifest- 2019 Students individual champions:

Men: Mr.M.Nagaraj Naik, BSc [Nursing] final yr. with 18 points (100 mt. 1st place, 200 mt. 2ndplace, Shot put 1st place and Javelin Throw 1st place)

Women: Miss. S. Shareefa, BSc (N) II yr. with 25 points (100 mt,1st place, Soht-Put, Discus Throw, Javelin 1st place and Long Jump 1st place)

Over All championship: The College of Nursing secured Over All Championship with total 178 points.

6.9 Quality & Patient Safety:

It is envisaged to transform SVIMS into a “High Reliability Organization” and an “Accountable Health System”. Towards that path of transformation & global reputation, the Director, on behalf of the institute, has laid out a road-map of value based health care. A major step towards this value proposition is emphasis on quality and patient safety as drivers of health system performance. To drive the performance, a programme of SVIMS Quality Council (SQC) is commissioned by the Director for iterative self improvement. Cataloguing, reporting, analyzing and learning from errors has become the lynchpin for quality improvement in health care.

The SQC planning process resulted in the formation of nine focus groups and four core groups of workforce consisting of Doctors, Nurses, Administrators, Allied health staff and various other types of employees representing all segments of health system. The focus groups were formed to address: Emergency services, Never events, Medication safety, workforce/workplace safety, fire safety / disaster management, Radiation safety, Hospital Acquired Infections, Blood / injection safety and operating room / interventional areas safety. The four core groups will find sustainable solutions through – Root cause analysis of sentinel events, check lists / communications, accreditations and hospitality services.

7.0 International Tele Trauma Grand Rounds:

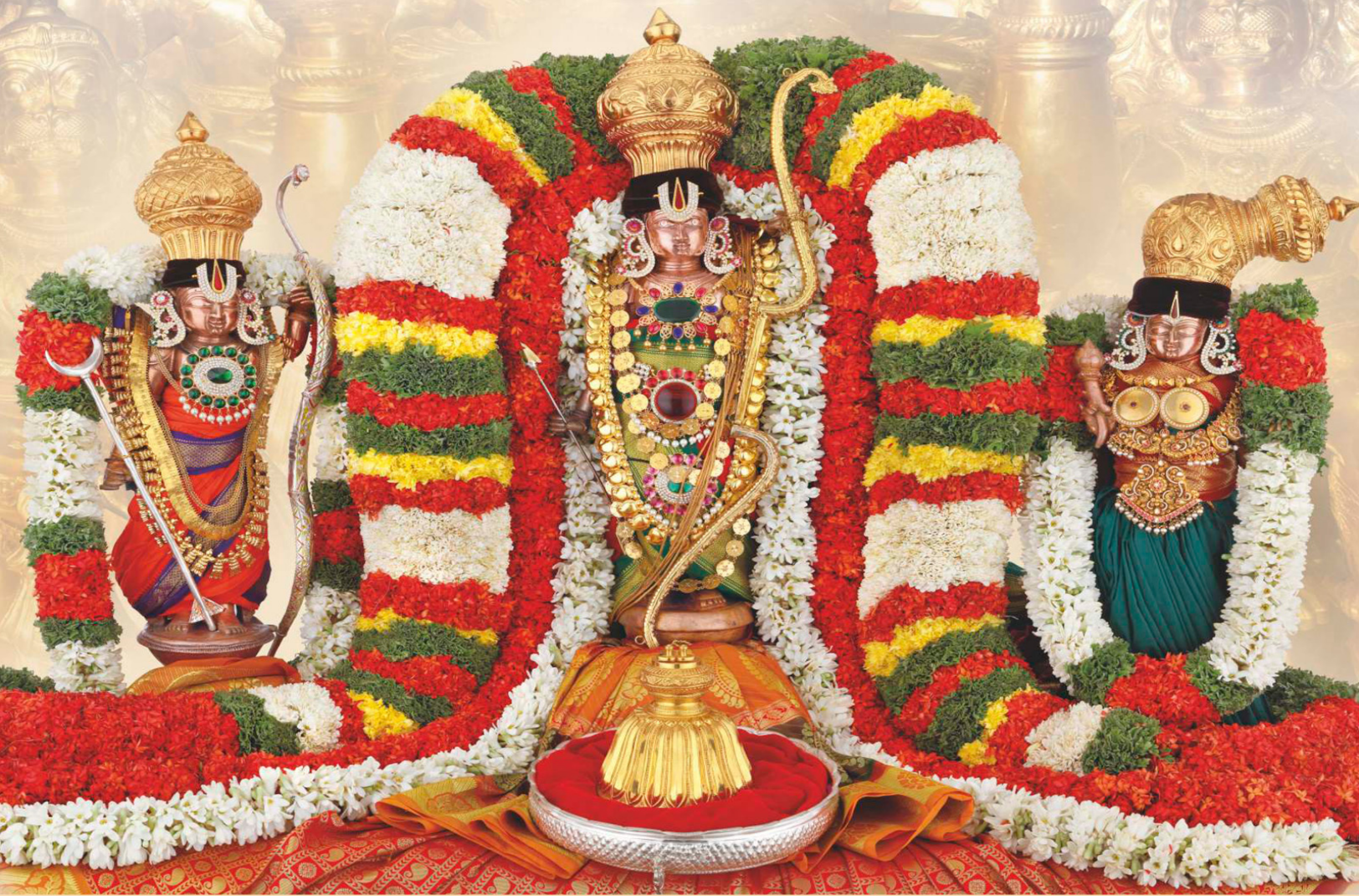
The International Tele Trauma Grand Rounds is fortnightly series of complex trauma case presentations and advanced trauma and critical care topics. Through video conferencing, several sites login simultaneously from various locations in collaboration with an American Trauma Society interesting surgical cases like Thoracoabdominal Stab Wound, Gunshot injuries etc., are discussed regarding initial evaluation and their operative management.



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



II PATIENT CARE SERVICES



II Patient Care Services

1.0 Out-patient and in-patient services

The out-patient services are provided on all days (except Sunday) with registration time from 7.00 am to 11.00 am. In addition to out-patient services, special clinics were run by various departments weekly. Similarly, monthly free clinics are also being conducted for the benefit of the patients.

The Medical Records Department (MRD) facilitates the registration of patients to enable them to avail facilities under out-patient and in-patient services. The patients coming to the hospital for emergency care can get registered uninterruptedly round the clock near the Casualty. The patients belonging to below poverty line status can avail free registration and consultation. Such patients are identified and categorized through a single window entry system at the Medical Records Department. Each patient is allotted a unique hospital number which is valid for both out-patient and in-patient services.

Out-patient services (7 am – 11 am)

S.No.	Departments	Days	Room No.	Place
1	Cardiology	Mon, Wed, Fri Tue, Thu, Sat	18 & 19	Sri Padmavathi OPD Block
2	Community Medicine/ Wellness / Non Communicable Diseases	Mon to Sat	29	
2	C.T. Surgery	Mon, Wed, Fri Tue, Thu, Sat	16 & 17	
3	Heartfulness Meditation	Mon, Wed, Fri	40	
4	Medical Gastroenterology	Tue, Thu, Sat	36	
5	Medical Oncology	Tue, Thu, Sat	37, 39 & 40	
6	Medicine - I	Mon & Thu	25 & 26	
7	Medicine - II	Tue & Fri		
8	Medicine - III	Wed & Sat		
9	Nephrology	Mon, Wed, Fri	35, 36 & 37	
10	Neurology	Mon, Wed, Fri Tue, Thu, Sat	21,22 & 23	
11	Neurosurgery	Mon, Wed, Fri	27 & 28	
12	Plastic Surgery	Mon, Wed, Fri	31	
13	Radiation Oncology	Tue, Thu, Sat	27,28	
14	Surgical Gastroenterology	Mon to Sat	41 & 42	
15	Surgical Oncology	Tue, Thu, Sat	31	
16	Urology	Mon, Wed, Fri Tue, Thu, Sat	45 35 & 45	
17	Dental	Mon to Sat	19	
18	Dermatology	Mon to Sat	9	
19	Endocrinology	Mon to Sat	18	
20	E.N.T	Mon to Sat	12	

21	General Surgery - I	Mon / 1st, 3rd & 5th Friday	15	SPMC (W), Hospital
22	General Surgery - II	Tue / 1st, 3rd & 5th Saturday		
23	General Surgery - III	Wed / 2nd & 4th Friday		
24	General Surgery - IV	Thu / 2nd & 4th Saturday		
25	General Surgery - V	Friday		
26	Haematology	Mon to Sat	9B	
27	Medicine - IV	Mon, Wed, Fri	10	
28	Medicine - V	Tue, Thu, Sat		
29	Obstetrics & Gynaecology	Mon to Sat	17	
30	Ophthalmology	Mon to Sat	14	
31	Paediatrics	Mon to Sat	13	
32	Psychiatry	Mon to Sat	16	
33	Rheumatology	Mon, Wed, Fri	16B	
34	TB & RD	Mon to Sat Sunday - Holiday	11	

EVENING SPECIAL CLINICS

S.No.	Departments	Days	Room No.	Timings	Place
1	Cardiology	Mon to Sat	18 & 19	3:00 - 4:00 pm	Sri Padmavathi OPD Block

SUNDAY CAMPS*

S.No.	Departments	Days	Room No.	Timings	Place
1	Psoriasis & Pemphigus	I Sunday	9	9:00 - 11:00 am	SPMC (W), Hospital
2	Routine Dental Checkup		19		
3	Oral Hygiene Clinic		19		
4	Deafness		12		
5	Thyroid & Varicose Veins	II Sunday	15		
6	Glaucoma, Paediatric				
	Ophthalmology & Squint		14		
7	Carcinoma Breast		17		
8	Carcinoma Cervix				
9	Well Baby Clinic		13		
10	Endocrinology	II Sunday	39 & 40	7:00 am to 11:00 am	Sri Padmavathi OPD Block
11	Epilepsy	III Sunday	21 & 22		
12	Hypertension Clinic	Last Sunday	18 & 19		
13	Prosthetic Valve Clinic				

* **Registration fee exempted for WRC holders**

Services Not Available

Family Medicine, Orthopaedics (Treated At BIRRD) & Burns

Annual Report 2019

No Queue system

Mobile phone technology is used to facilitate the patients to fix their appointment time for OP consultation by using No “Q” system.

Using NoQ System

1. Avoid standing in ‘Q’ for today’s repeat registration.
2. Send SMS to 9248080250.
3. Type noq<space>department name <space> hospital number

Example: noq card 66666

Note :

1. This facility can be availed within 15 days from the date of first consultation/renewal for repeat registration patients.
2. Using SMS is for current registration only & not for fixing appointment for future dates.
3. Patients requiring renewal can also send SMS, but need to register at MRD.

Department Keywords (SVIMS)

Cadiology	card	Medicine	med
CT Surgery	ct	Medical Oncology	mo
Gastroenterology	ge	Surgical Oncology	so
Neurology	neuro	Radiation Oncology	ro
Neurosurgery	ns	Breast Clinic	bc
Nephrology	neph	Urology	uro
Medical Gastroenterology	mge	plastic surgery	ps

Department Keywords (SPMCWH)

Endocrinology	endo	General Surgery	gs
Rheumatology	rh	Dental	den
Haematology	haem	TB & RD	tb
psychiatry	psy	Ophthalmology	oph
Dermatology	dvl	Pediatrics	pae
ENT	ent	Gynecology	obg

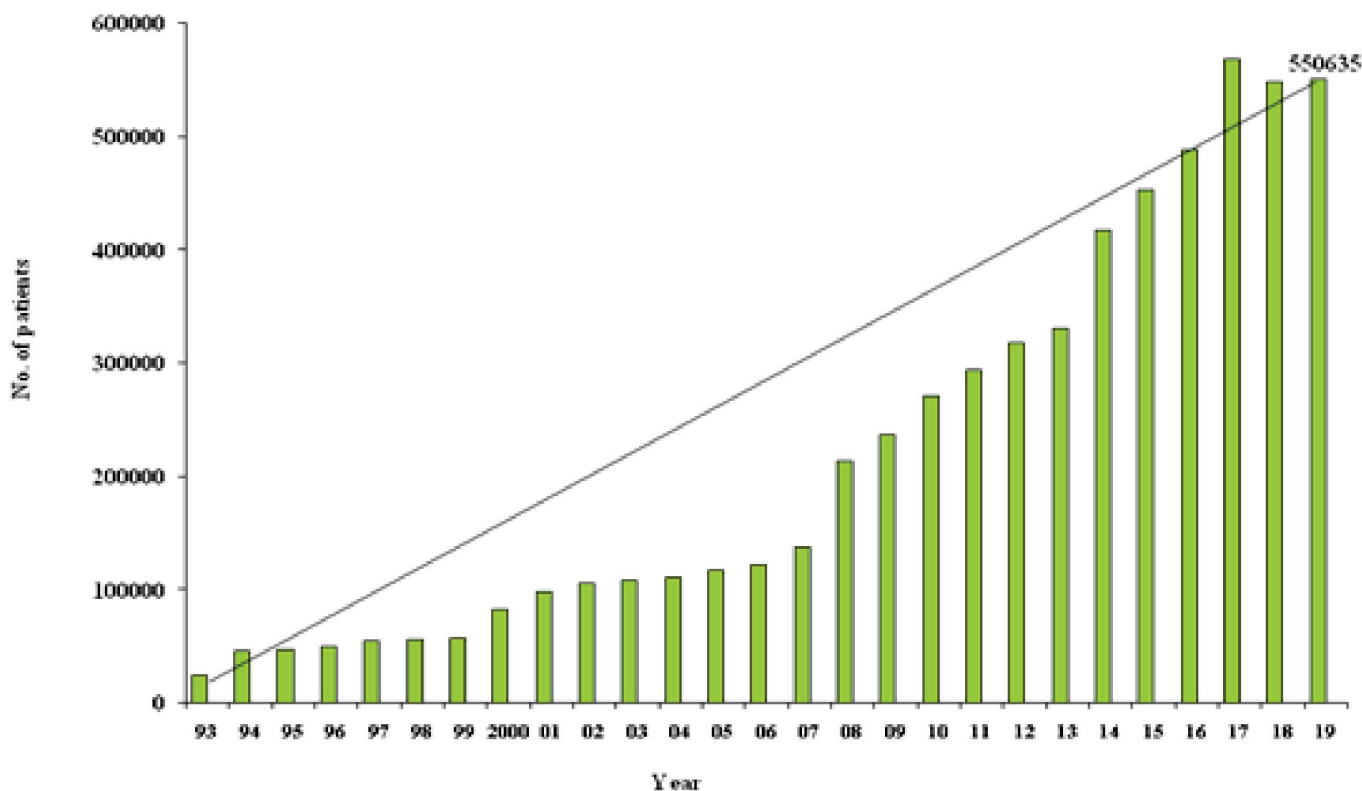
1.1. SVIMS APP

As a measure to provide better services for the out-patients, facility to fix appointment for availing OP services both for new & repeat consultations, a mobile phone application designed and coined as “SVIMS APP” using android and i-phones is operational since 22nd September 2017. This application can be downloaded free of cost. Additional features of getting the laboratory test conducted is available on real time for the patients. Further, the laboratory test reports are also made available online to patient in their registered mobile phone numbers for those not using the above APP.

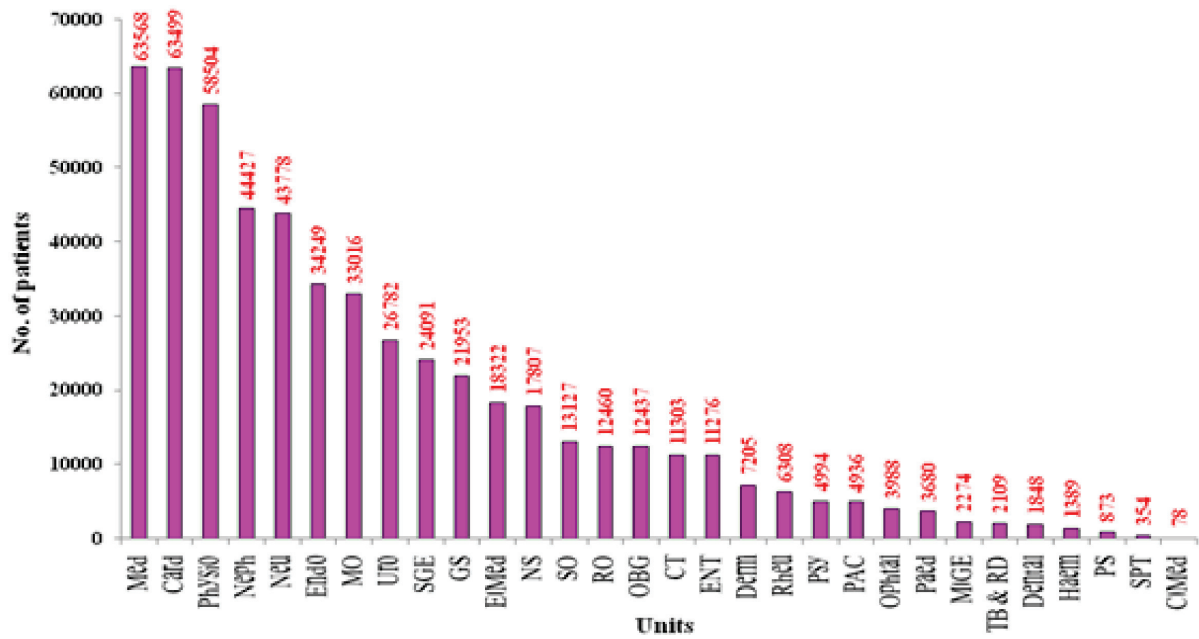
1.2. SVIMS Clinic

A separate clinic operates beside SVIMS OPD block with all Super Specialties and Medicine department exclusively for the patients registered under TTD, Working Journalist Health Scheme and SVIMS staff with their dependants and students. The clinic provides central lab test facility, ECG, ECHO, X-Ray and Admission office during all working days between 7am to 11am. Sufficient waiting space.

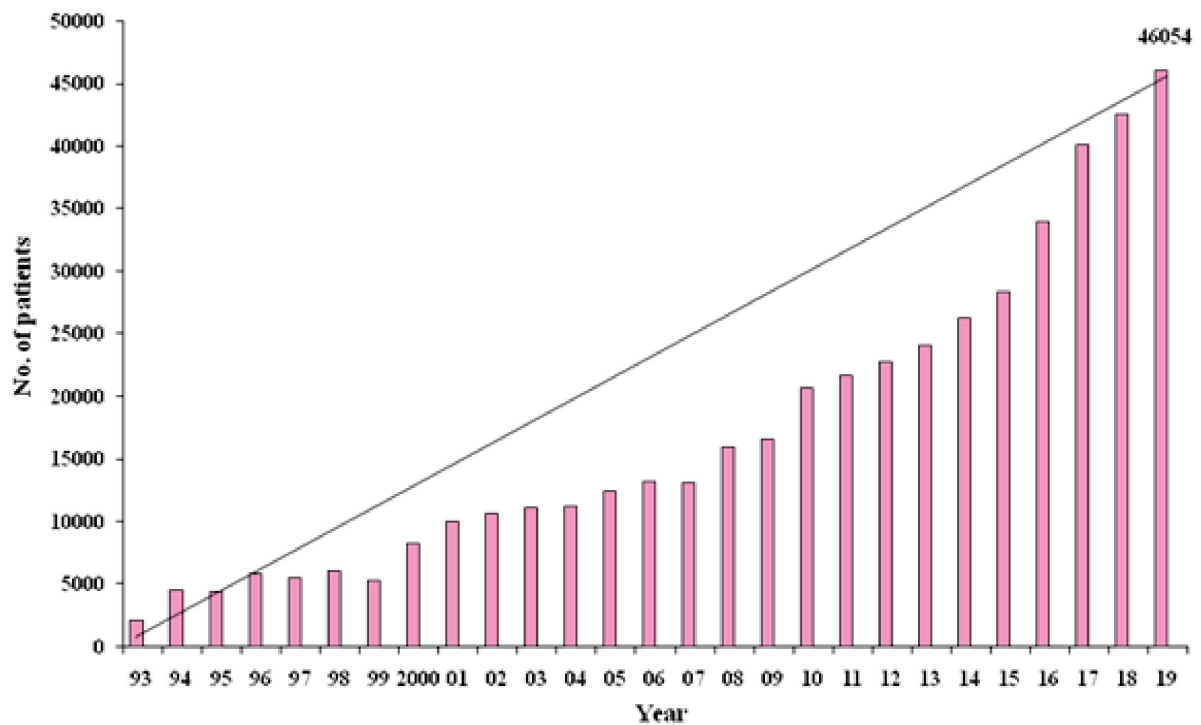
Yearly flow of out-patients
(1993 - 2019)



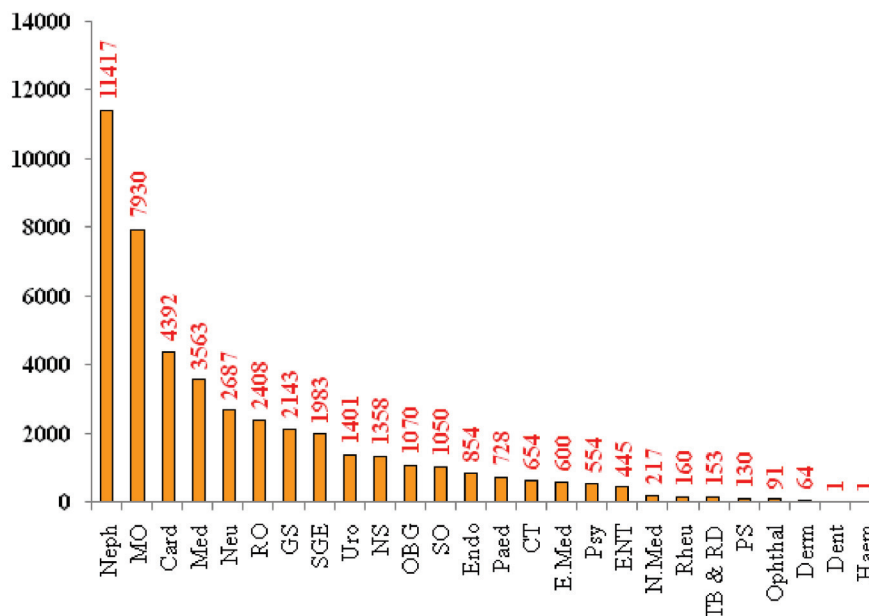
Department wise Out-patient Statistics 2019



Yearly flow of in-patients (1993 – 2019)



Department wise in-patient statistics 2019



Laboratory – wise investigation statistics (1993-2019)

S. No.	Department	No. of Investigations
1	Biochemistry	88,47,709
2	Haematology	77,92,068
3	Microbiology	18,08,234
4	Radiology	16,79,968
5	Clinical Pathology	13,71,053
6	Blood bank	13,85,584
7	Cardiology	12,63,772
8	Endocrinology	7,27,339
9	Dialysis	4,28,194
10	Pathology	2,50,295
11	Neurology	83,267
12	G.E	55,624
13	Nuclear Medicine	50,370
14	PFT	42,915
15	HIC (MB)	75,242
16	Urology	20,366
17	C.T.Surgery	13,792
18	Dental	7,652
19	Psychiatry	746
	Total	2,59,04,190

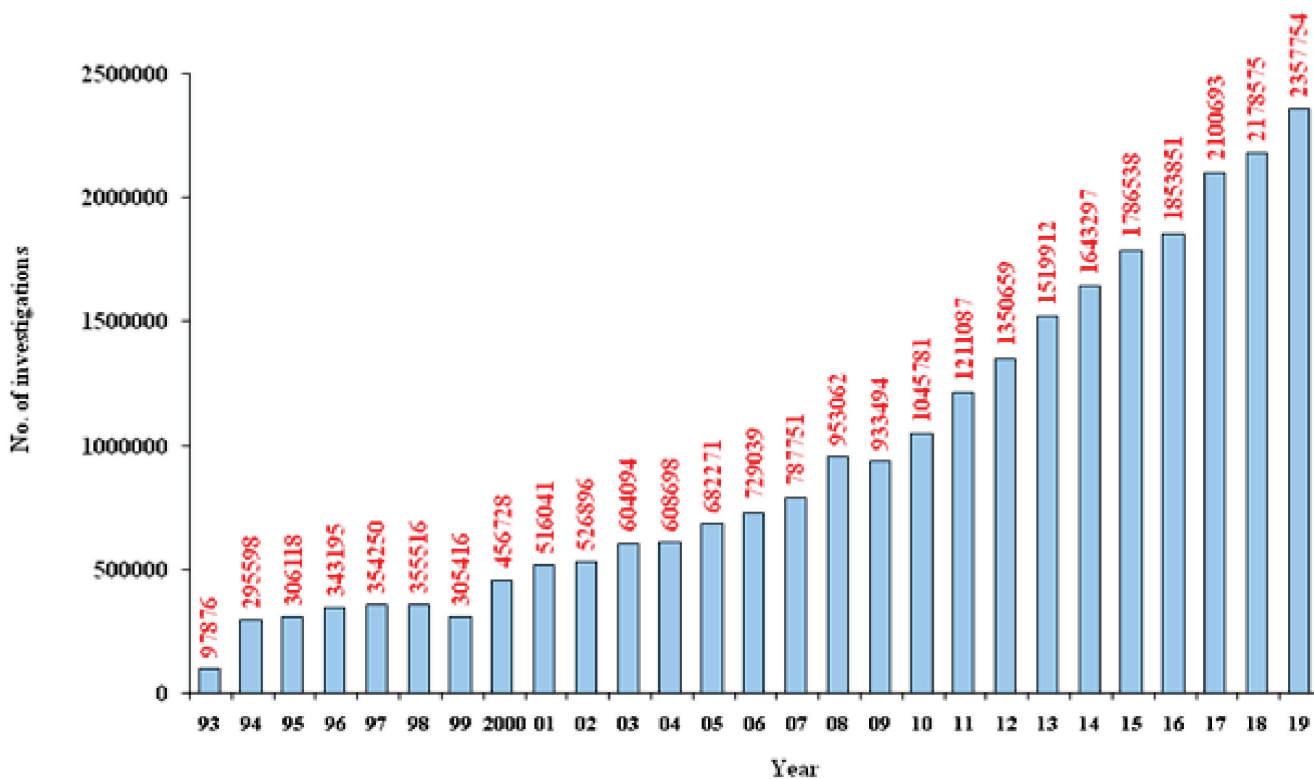
Laboratory – wise investigation statistics (2019)

S. No.	Department	No. of Investigations
1	Biochemistry	7,34,259
2	Haematology	7,18,863
3	Microbiology	1,91,204
4	Radiology	1,42,048
5	Blood Bank	1,28,496
6	Cardiology	1,07,384
7	Clinical Pathology	96,323
8	Dialysis	87,934
9	Endocrinology	83,476
10	HIC (MB)	27,534
11	Pathology	20,305
12	Nuclear Medicine	6,017
13	PFT	5,368
14	Neurology	4,448
15	Gastroenterology	2,241
16	Dental	907
17	Urology	643
18	Psychiatry	304
	Total	23,57,754

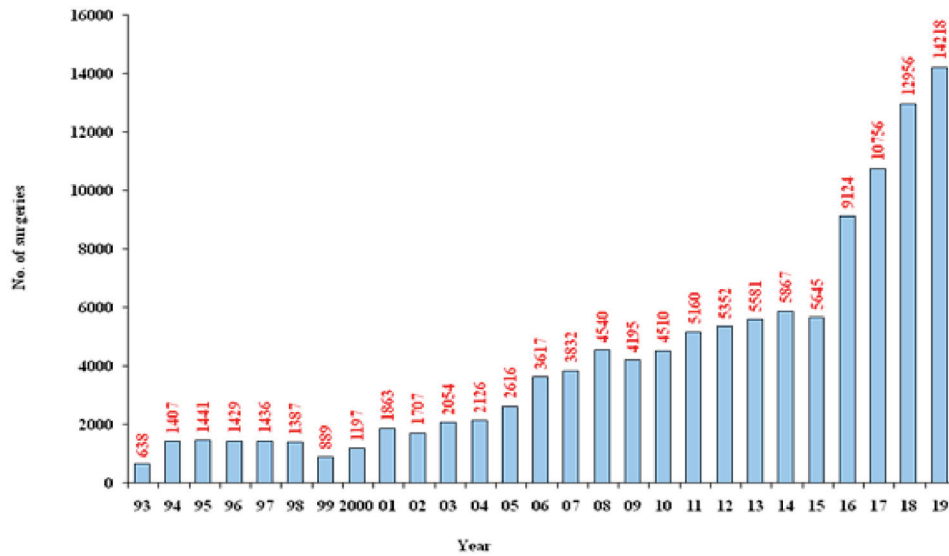
Vital statistics Comparison with 2018 & 2019

No	Vital statistics	2018	2019	%
1	Bed occupancy rate	71.66	80.60	12
2	Average length of stay	6.65	6.55	2
3	Gross death rate	3.60	3.83	6
4	Net death rate	1.73	1.86	8
5	Monthly Average Bed Turnover rate	3.81	3.75	2
6	Daily Average Inpatient census	668	724	8

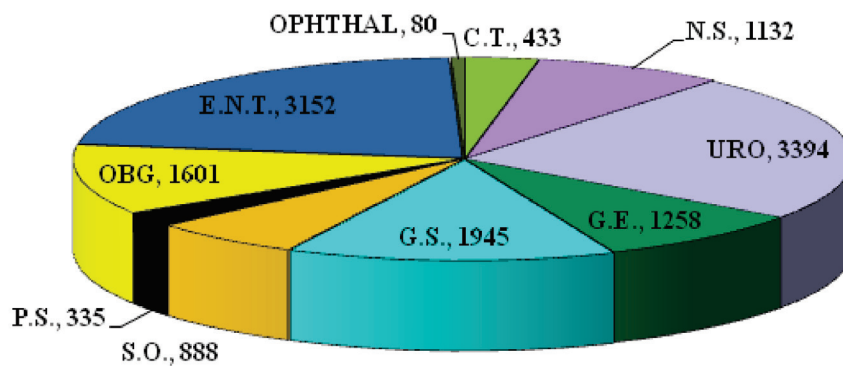
Year wise Investigation No.of patients (1993-2019)



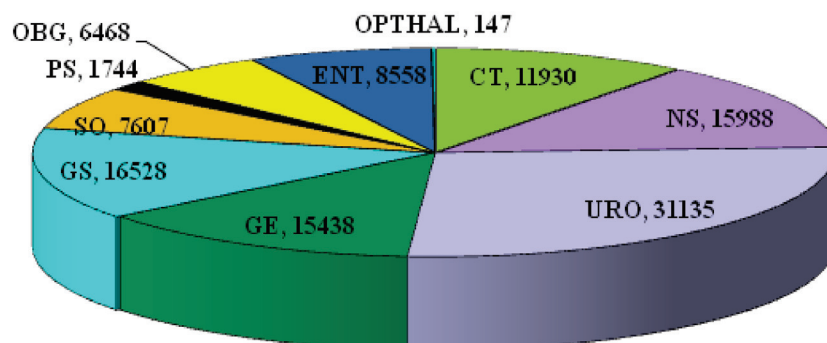
Year wise surgeries performed (1993-2019)



Total No. of Surgeries Performed 2019



Department wise surgery statistics 1993 – 2019



1.3 Dr. YSR Aarogyasri Scheme

The present Dr. YSR Aarogyasri was started in August, 2007 by the then Chief Minister of A.P Late Y S Rajasekhara Reddy as Rajiv Aarogyasri scheme. Later it was renamed as Dr NTR Vaidya Seva and further it is renamed as Dr. YSR Aarogyasri scheme in June 2019.

Through the Dr. YSR Aarogyasri Scheme multi specialty health care is provided to patients below the poverty line. The scheme provides coverage for treatment of diseases of heart, lung, liver, bowel, pancreas, kidney, neurosurgery, pediatric congenital malformations, burns, post-burn contracture surgeries for functional improvement, prosthesis (artificial limbs), cancer treatment (surgery, chemotherapy, radiotherapy) and polytrauma (including cases covered under MV act). After separation of Andhra Pradesh & Telangana states, the name of the scheme has been changed to Dr YSR Aarogyasri Scheme as per the abstract from Health, Medical & Family Welfare (I.1) dept. dt: 17.12.2014. Now the scheme covers around 2059 packages / procedures.



DrYSR Aarogyasri Scheme review Committee was constituted with the following members

- | | |
|-----------------------------|------------|
| 1. The Director-cum-VC | - Chairman |
| 2. Medical Superintendent | - Member |
| 3. Heads of the Departments | - Members |
| 4. Resident Medical Officer | - Member |
| 5. Chief MEDCO | - Member |
| 6. Accounts Officer | - Member |

For effective implementation of DrYSR Aarogyasri Scheme and for timely delivery of health care services to the poor, the Institute has established a separate office under the leadership of Chief Medical Coordinator (Chief MEDCO), 05 Medical Coordinators (1 Senior MEDCOs and 4 Junior MEDCOs), 01 Office Senior Assistant, 03 Pharmacists, 42 Data entry operators, 02 Bed side assistants and 05 fessy workers apart from the Aarogya Mithras of the trust.

The Dr YSR Aarogyasri Scheme review committee meetings are held regularly on every 1st and 3rd Thursday at 4:00 pm to 5:00 pm of each month.

The institution is regularly conducting camps as per the schedule. The public relations department of SVIMS in

consultation with district Co-coordinator of the trust decides the venue for conduct of the camps. The details of camps conducted, number of patients screened, number of patients who underwent treatment, bills claimed and unclaimed from the government are as mentioned below.

Dr YSR Aarogyasri Scheme Camps Conducted (Aug' 2007 – Dec' 2019)

S. No	Period	No. of camps conducted	No. of patients screened	No. of patients referred
1	2007	19	4,952	391
2	2008	85	16,616	1307
3	2009	65	12,265	893
4	2010	48	8,269	560
5	2011	49	9,415	376
6	2012	18	6,138	600
7	2013	35	11,223	433
8	2014	39	10,716	366
9	2015	41	15,168	336
10	2016	48	14,321	286
11	2017	13	2,852	71
12	2018	11	2,119	67
13	2019	07	2,026	40
	Total	478	116080	5726

Surgeries conducted under Dr. YSR Aarogyasri Scheme (Aug' 2007 – Dec' 2019)

Period	C.T. Surgery	Neuro surgery	Urology	Surgical oncology	Surgical Gastro	General Surgery	ENT Surgery	Obstetrics	Plastic Surgery	Total
2007	5	11	2	4	3	-	-	-	-	25
2008	529	633	225	128	272	68	-	-	36	1,891
2009	483	541	292	245	491	110	-	-	59	2,221
2010	375	539	252	314	516	198	-	-	68	2,262
2011	427	484	472	318	463	103	-	-	41	2,308
2012	617	393	609	440	548	146	-	-	2	2,755
2013	675	364	601	509	658	183	-	-	-	2,990
2014	575	349	522	649	949	198	-	-	-	3,242
2015	549	195	453	583	754	287	-	-	-	2,821
2016	546	339	471	628	760	319	34	73	13	3,183
2017	521	656	836	599	916	534	133	73	18	4,286
2018	420	819	1037	569	884	493	99	76	24	4,421
2019	359	898	1077	578	942	497	75	181	22	4,629
Total	6,081	6,221	6,849	5,564	8,156	3,136	341	403	283	37,034

OP & IP statistics (Unit-wise flow)

(Aug' 2007 – Dec' 2019)

Unclaimed (Cashless Transactions)

Sl No.	Unit	Unclaims			
		OP Unclaim	In unclaim		Grand total
		(New & repeat)	Total	Ex- pired	OP&IP
1	Cardiology	95659	6117	38	1,01,776
2	C.T.Surgery	19905	851	25	20,756
3	Dermatology	2	0		2
4	Emergency Medicine	688	23		711
5	Endocrinology	14	3		17
6	ENT Surgery	20	8		28
7	General Medicine	45	0	9	45
8	General Surgery	8714	166		8,880
9	Haematology	2	0		2
10	Medical Oncology	70756	311	9	71,067
11	Nephrology	106521	29	2	1,06,550
12	Neurology	8054	14	10	8,068
13	Neurosurgery	12260	332	16	12,592
14	Obstetrics	13	3		16
15	Ophthalmology	4	0		4
16	Plastic Surgery	303	36	01	339
17	Radiation Oncology	20670	429	10	21,099
18	Rheumtology	5	0		5
19	Surgical Gastro	45287	283	11	45,570
20	Surgical Oncology	25464	213	01	25,677
21	TB & RD	5	0		5
22	Urology	35595	188		35,783
	GRAND TOTAL	4,49,986	9,006	132	4,58,992

Medical Cases conducted under Dr YSR Aarogyasri (Aug' 2007 – Dec' 2019)

Period	Cardiology	Nephrology	Medical Oncology	Neurology	Emergency Medicine	Radiation Oncology	Endocrinology	General Medicine	Rheumatology	Anaesthesiology	Paediatrics	TB & RD	Ophthalmology	Dermatolog	Total
2007	7	0	0	0	0	0	--	--	--	--	--	--			7
2008	629	96	507	337	23	8	--	--	--	--	--	--		--	1,600
2009	1,182	142	992	885	89	564	--	--	--	--	--	--		--	3,854
2010	1,290	246	1,401	1,053	205	1,071	--	--	--	--	--	--		--	5,266
2011	1,299	325	1,582	1,162	235	1,446	--	--	--	--	--	--		--	6,049
2012	1,360	333	2,139	1,289	216	1,401	--	--	--	--	--	--		--	6,738
2013	1,505	472	3,641	1,211	210	1,235	--	--	--	--	--	--		--	8,274
2014	1,873	911	4,588	1,237	227	1,653	--	--	--	--	--	--		--	10,489
2015	1,794	799	5,723	1,278	196	2,156	--	--	--	--	--	--		--	11,946
2016	1,619	1,131	4,810	1,033	81	3,783	150	122	17	34	6	67		--	12,853
2017	1,926	3,174	5,957	1,372	218	4,352	193	132	43	37	19	01		08	17,432
2018	1,801	5,452	5,623	1,280	38	3,571	216	325	17	24	15	02	06	05	18,375
2019	2,274	7,292	6,078	1,612		3,483	207	879	26	13	35	--	--	04	21,903
TOTAL	18,559	20,373	43,041	13,749	1,738	24,723	766	1,458	103	108	75	70	06	17	1,24,786

OP & IP Statistics (Unit-wise flow) (Aug' 2007 – Dec' 2019) - Claim

S. No.	Unit	Claims			
		IP		OP follow-up for medicines	Grand total
		Total	Expired		
1	Anesthesiology	108	16	-	108
2	C T Surgery	6086	559	7730	13816
3	Cardiology	18539	495	30610	49149
4	Dermatology	17	-	1	18
5	Emergency Medicine	1738	52	77	1815
6	Endocrinology	763	2	6	769
7	ENT Surgery	344	-	-	344
8	General Surgery	3140	55	349	3489
9	Medical Oncology	43091	77	-	43091
10	General Medicine	1098	638	-	1098
11	Nephrology	20312	202	584	20896
12	Neurosurgery	6217	375	2537	8754
13	Neurology	13746	662	13040	26786
14	Plastic Surgery	283	2	-	283
15	Radiation Oncology	25102	142	-	25012
16	Surgical Gastro.	8161	375	139	8300
17	Surgical Oncology	5570	162	-	5570
18	TB & RD	70	1	-	70
19	Urology	6849	33	310	7159
20	Obstetrics	405	-	-	405
21	Rheumatology	103	-	-	103
22	Paediatrics	75	-	-	75
23	Ophthalmology	6	-	-	6
	Grand Total	1,61,820	3,816	55,383	2,17,203

SVIMS continued to be in the first place under Dr. Y S R Aarogyasri Programme in the entire state under “Best Performance Government Hospital” category. The Director-cum-Vice Chancellor received the award from the Hon’ble Chief Minister of Andhra Pradesh at Hyderabad for this achievement during a function held on 30th October 2014. SVIMS has been recently awarded “Eight Excellence Awards (8)” for providing exceptional health care services to the patients. Again we have received “Best Performing Government Hospital” in the State of Andhra Pradesh in July, 2018”.

1.4 Sri Venkateswara Pranadana Scheme

This scheme which was launched in November 2001 by Tirumala Tirupati Devasthanams, aims at providing succour to the needy by affording them free and the best medical care at the TTD – run hospitals. It aims at:

- i) Providing free medical facilities to poor patients afflicted with life-threatening diseases of the heart, kidney, brain, cancer etc.
- ii) Facilitating access to basic medical amenities like blood bank, artificial limbs, physiotherapy, tools and implants.
- iii) Pioneering R & D into diseases like chronic renal failure, haemophilia, thalassemia and cancer.
- iv) PET CT procedures

The list of cases treated under various specialties & number of patients admitted are furnished as mentioned below

Sri Venkateswara Pranadana Cases treated for the year 2019

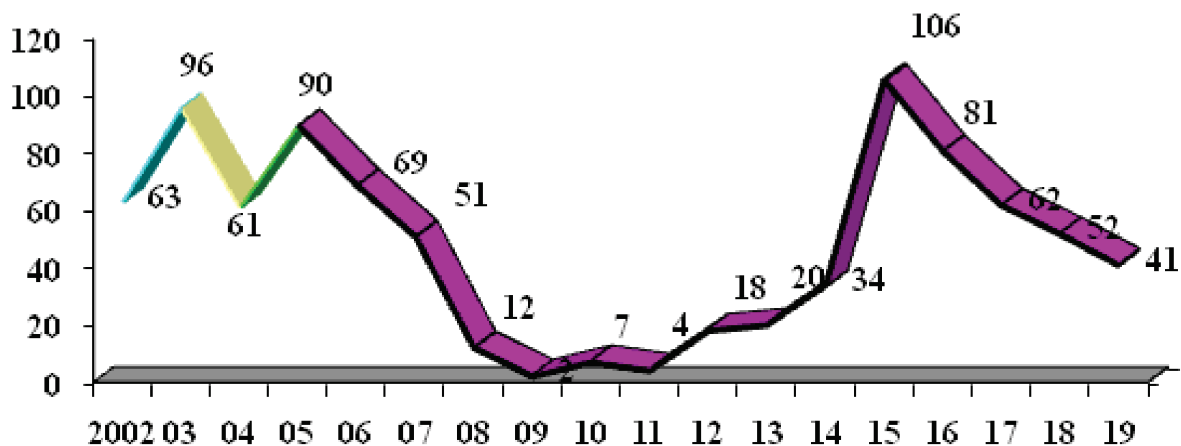
S. No	Unit	New admsns.	Repeat admsns	OP (N)	OP (R)	Total admissions	Total expired	Mortality rate (%)
1	Cardiology	10	0	0	0	10	0	0.00
2	C.T.Surgery	129	0	0	0	129	3	2.33
3	Surgical G.E.	18	0	09	1	28	5	17.86
4	Neurology	82	0	0	0	82	3	3.66
5	Neurosurgery	320	0	1	0	321	1	0.31
6	Nephrology	129	154	0	0	283	17	6.01
7	Med.Oncology	13	15	58	22	108	0	0.00
8	Rad.Oncology	6	0	61	3	70	0	0.00
9	Surg.Oncology	45	0	55	0	100	4	4.00
10	Haematology	0	0	0	0	0	0	0.00
11	Urology	4	0	0	0	4	0	0.00
12	Medicine	48	0	0	0	48	9	18.75
13	G.Surgery	1	0	0	0	1	0	0.00
14	Anaesthesiology	2	0	0	0	2	0	0.00
15	Plastic Surgery	0	0	0	0	0	0	00.00
Patients referred from other hospitals								
16	BIRRD Hospital	2	0	0	0	2	0	0.00
17	SVRRGG Hospital	0	0	0	0	0	0	0.00
18	Govt. Maternity Hospital	6	0	0	0	6	0	0.00
	Total	816	169	184	26	1195	42	3.51

No. of Patients benefited under Sri Venkateswara Pranadana Scheme

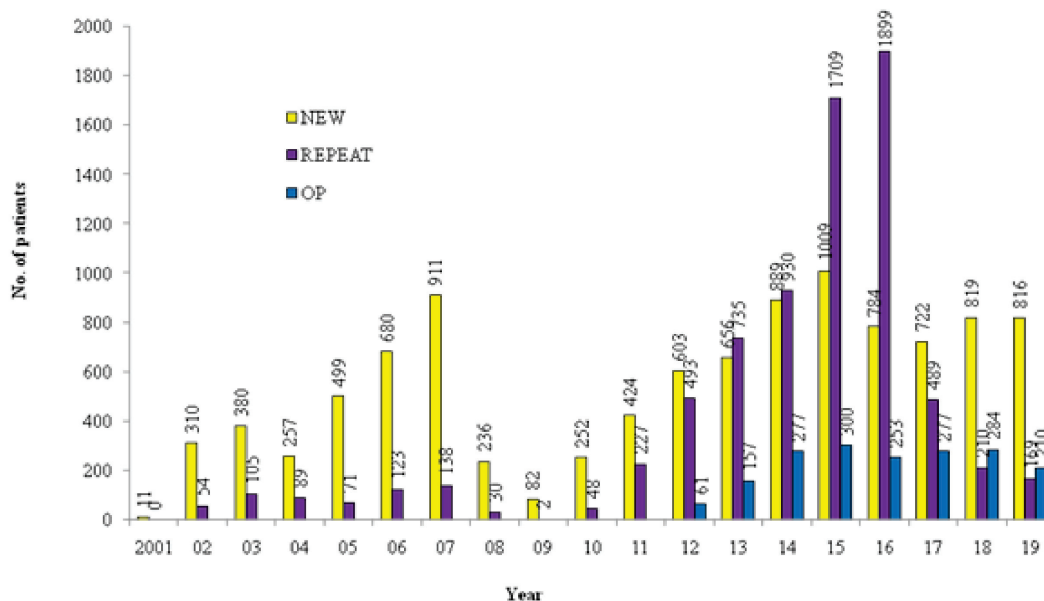
(November 2001 – December 2019)

S. No	Unit	New admns.	Repeat admns	OP (N)	OP (R)	Total admissions	Total expired	Mortality rate (%)
1	Cardiology	1175	25	0	0	1200	6	0.50
2	C.T.Surgery	2170	119	39	1	2329	122	5.24
3	Surgical G.E.	261	29	61	2	353	44	12.46
4	Neurology	536	0	7	0	543	52	9.58
5	Neurosurgery	3611	96	3	1	3711	27	0.73
6	Nephrology	1298	2240	1	0	3539	114	3.22
7	Med.Oncology	327	4354	502	116	5299	9	0.17
8	Rad.Oncology	67	255	534	10	866	0	0.00
9	Surg. Oncology	159	0	506	25	690	11	1.59
10	Haematology	13	378	0	0	391	1	0.26
11	Urology	338	24	1	0	363	9	2.48
12	Medicine	197	0	9	0	206	38	18.45
13	G.Surgery	12	0	1	0	13	0	0.00
14	Anaesthesiology	26	0	0	0	26	3	11.54
15	Plastic Surgery	1	0	0	0	1	0	0.00
Patients referred from other hospitals								
16	BIRRD Hospital	42	1	0	0	43	1	2.33
17	SVRRGG Hospital	12	0	0	0	12	1	8.33
18	Govt. Maternity Hospital	94	0	0	0	94	22	23.40
	Total	10340	7521	1664	155	19680	460	2.34

Paediatric Pranadana cases (2002 - 2019)



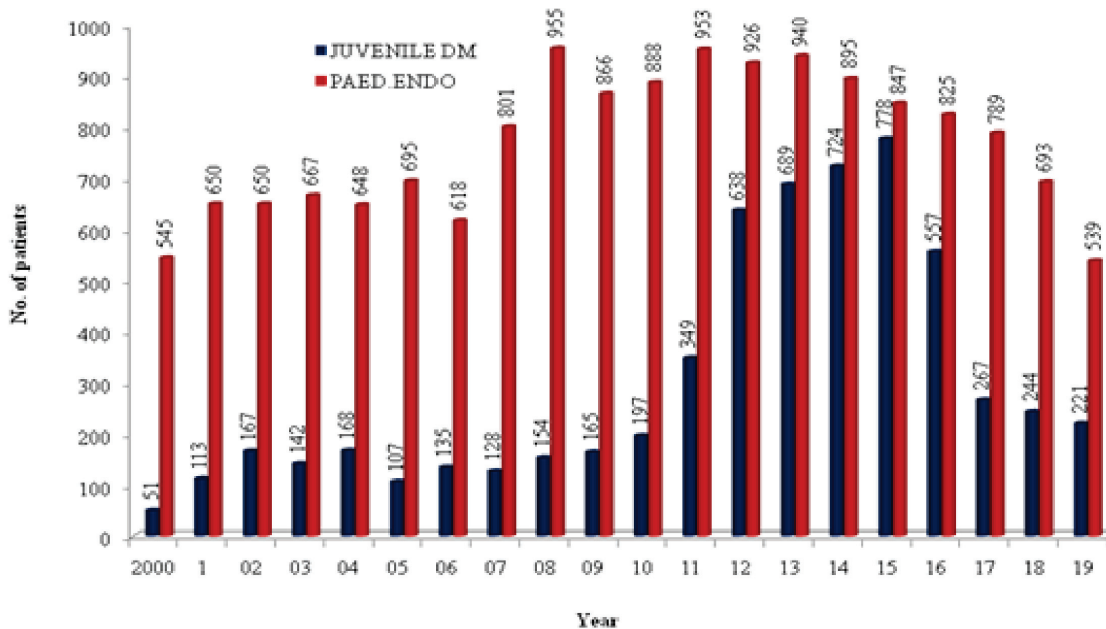
Sri Venkateswara Pranadana cases (November 2001 – December 2019)



1.5 Juvenile diabetes camps:

The Department of Endocrinology, SVIMS started free Juvenile diabetes camps: on 2nd Saturday of each month from the year 2000 till December 2019, 221 camps have been conducted . The patients are provided free medicines with the financial assistance of SVIMS & Tirumala Tirupati Devasthanams through Sri Venkateswara Pranadana Scheme. The Department also conducts Paediatrics Endocrinology clinics on every Tuesday, in the afternoon.

Paediatric Endocrinology & Juvenile diabetes cases (2000 – 2019)



Annual Report 2019

1.6 Rural health camps

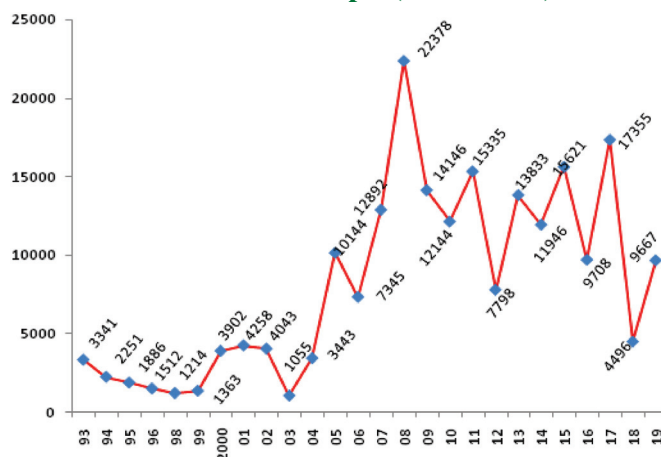
The team of doctors, paramedical and public relations staff under the guidance of the Director-cum-VC, SVIMS conducts regular camps at rural level. The patients are examined for basic ailments. ECG and other blood tests are done at the village level, free of cost. If required, patients are referred to the institute for further evaluation and necessary investigations are done at concessional rates. The statistics of number of camps (General & NVSS) held and number of patients screened for the years 1993- 2019 is furnished below:

Rural Health Camps (1993 - 2019)

Year	General	Ashish Dr.NTR*	Pink Bus	Total Camps	Toal
1993	7	0	0	7	3341
1994	6	0	0	6	2251
1995	5	0	0	5	1886
1996	3	0	0	3	1512
1997	0	0	0	0	0
1998	4	0	0	4	1214
1999	5	0	0	5	1363
2000	5	0	0	5	3902
2001	7	0	0	7	4258
2002	12	0	0	12	4043
2003	4	0	0	4	1055
2004	5	0	0	5	3443
2005	24	0	0	24	10144
2006	19	0	0	19	7345
2007	18	19	0	37	12892
2008	3	85	0	88	22378
2009	5	65	0	70	14146
2010	12	48	0	60	12144
2011	9	49	0	58	15335

2012	4	16	0	20	7798
2013	4	35	0	39	13833
2014	4	39	0	43	11946
2015	7	41	0	48	15621
2016	6	17	0	23	9708
2017	10	13	0	23	17355
2018	4	10	2	16	4496
2019	6	6	41	53	9667
TOTAL	198	443	43	684	213076

Rural Health Camps (1993 - 2019)



1.7 Medical Camps at SVIMS

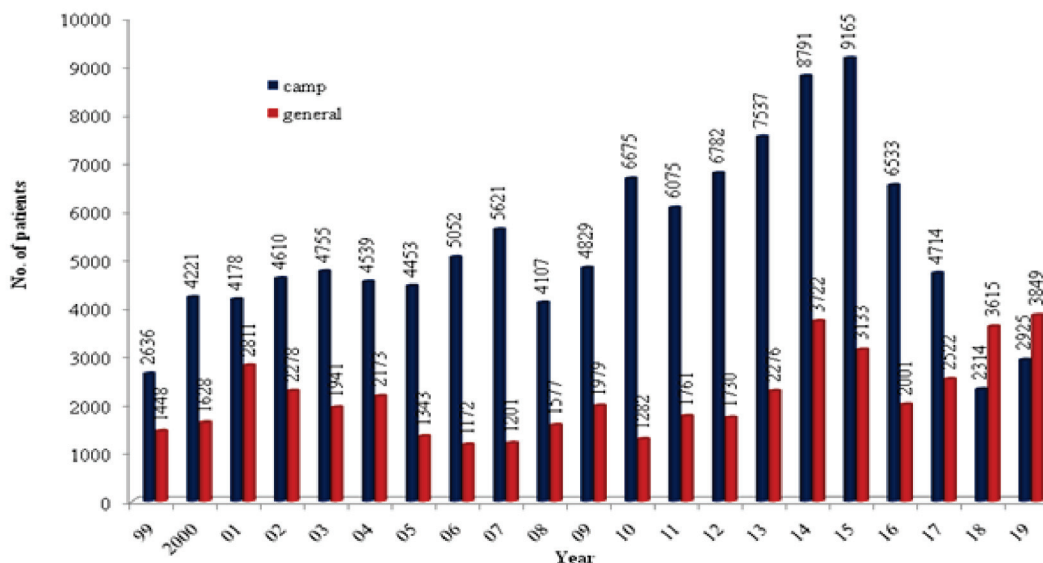
The Institute organizes regular monthly free camps in order to benefit the poor. The patients are provided free consultation and drugs required for one month treatment. The statistics of the patients treated in these camps during the year 2019 are as follows:

Medical Camps - 2019

S. No.	Camp	Day	No. of camps	No. of patients treated
1	Epilepsy Camps	3rd Sunday	12	2925
2	Diabetic Camps	2nd Sunday	12	1438
3	Hypertension & PVC Camps	Last Sunday	12	4962
4	Juvenile Diabetic Camps	2nd Saturday	12	221
5	Well Baby Clinic	1st Sunday	12	23
6	Psoriasis & Pemphigus	1st Sunday	3	4
7	Rural Camps		12	4892
8	Pink Bus		41	4775

1.8 Epilepsy Camps

The Department of Neurology, SVIMS under the leadership of Dr B. Vengamma started free epilepsy camp on every 3rd Sunday. From 20th February 1999 till January 2019, 246 camps have been conducted and 1,13,937 patients have been treated. The patients are provided free medicines with the financial assistance of Americares, USA, SVIMS & Tirumala Tirupati Devasthanams through Sri Venkateswara Pranadana Scheme.



1.9 Revised National Tuberculosis Control Program (RNTCP)

The Revised National Tuberculosis Control Program (RNTCP) designated Microscopy Centre (DMC) has been functional at SVIMS since February, 2007 and the DOT Centre has been functioning since May, 2007. As on 31.12.2019, 6293 patients were provided free treatment for TB.

1.10 Integrated Counseling and Testing Centre (ICTC)

Under the Department of Medicine, the ICTC centre was established on 02-02-2010. Under this facility, testing for HIV is provided free of cost. As on 31-12-2019, 63531 persons were tested.

1.11 Infection Control Committee

The Infection Control Committee was constituted in the year 2010 and has been functional from January 2010. This has a definite impact on the prevention and control of Health Care Associated Infections. The committee meets once a month on the first Tuesday in the presence of Director-cum-VC. The committee reviews the monthly surveillance reports and receives suggestions and opinion from the personnel and take decisions to solve the problems.

In the year 2019, there had been a marked reduction in overall Ventilator Associated Pneumonia rates to an average of 17.6% which is below the WHO (low resource countries-23.9/1000 ventilator days) benchmark, when compared with the previous years. Total Catheter Associated Infection Rate (CAUTI) is maintained between 3.6- 7.7/ 1000 catheterized days which is below the WHO (low resource countries-8.8/1000 catheterized days). Catheter Associated Infection Rate (CAUTI) for recovery room & ICU's range between 3.3- 12.8 /1000 catheterized days. Central line Associated Infection Rate (CLABSI) varies between 0- 0.95/ 1000 central line days. CLABI rate was zero/ 1000 line days for past 6 months because of strict implementation of bundle care. Surgical Site Infection Rate (SSI) being 0.9 to 3 /100 surgeries. Multi Drug Resistance decreased from 90.2% in January to 78% in the month of December, 2019. There is a gradual reduction in Methicillin Resistant Staphylococcus strains from 61% in the year 2010 to 52% in 2019. But there is an emergence of MRCONS attributing 69.5% of total drug resistance. In 2019, emergence of Imipenem resistance to an average of 28.6% of total drug resistance is quite alarming. Percentage of Vancomycin Resistance Enterococci (VRE) being 5.1% and percentage of Vancomycin resistance *Staphylococcus aureus* (VRSA) was nil. Average Standardized infection ratio (SIR) is 0.8 (VAP) and 0.3 (CAUTI) in 2019.

Overall hand hygiene compliance for patient contact of health care workers varying between 76- 85.7% in 2019. Needle stick injury incidence ranging between 0-6 for the year 2019. Linen service is provided by central laundry including sheets, pillow covers, blankets and patient gowns. The dirty linen collected is processed in central laundry. Cleaning & disinfection activities are being followed in all areas including critical areas as per standard protocols. Infection prevention & control training sessions were delivered to all healthcare workers regularly and induction training on HIC for newly joined staff including post graduates being implemented as a routine practice. Regular validation of CSSD autoclaves & Eto sterilizers with both biological indicators & chemical indicators was being followed and there was no recall in 2019. Water quality was continuously monitored by HIC team monthly and if there is any deviation immediate action was taken that is both corrective action & preventive action. For BMW, one subcommittee was constituted which monitors the segregation, transportation, disposal, monthly and annual report will be updated in SVIMS website.

This shows our success in the control of Health Care Associated Infections (HAI). The implementation of various appropriate and effective infection control measures has reduced the HAI rate drastically. Inception of Antimicrobial Stewardship committee has helped in reducing the overall antibiotic resistance of various organisms. Vigilant surveillance of water quality has improvised our standards in health care infection control.

1.12 Mortality and Morbidity Review Meeting

The Mortality and Morbidity review meetings are conducted twice in a month i.e. on 1st Tuesday and 3rd Wednesday at 3.00 P.M. The Medical Superintendent acts as co-ordinator. The mortality review system has been strengthened in the hospital. Each department reviews all the mortalities internally and submit the mortality review report to the office of the Medical Superintendent, along with root cause analysis and corrective action plan.

The mortalities reflecting serious issues are selected by a team of independent observers (Dr.V.Vanajakshamma for medical cases and Dr.V.Venkatarami Reddy for surgical cases) and are presented in a gathering of all the doctors and nursing staff. All the faculty and Residents attend these meetings. The Committee reviews the mortality statistics and identifies the opportunities to improve patient safety and quality of care.

Clinical audit committee has been formed to look into various processes and their outcome in terms of patient care and safety. However, a separate Hospital Safety Committee has been formed to look into safety issues for patients, visitors and staff. This committee looks into patient safety, fire safety, radiation safety and lab safety domains. These two committees meet once in 3 months.

Domain of medication safety is looked after by the Pharmaco Vigilance committee (PVC) and Pharmacy and Therapeutics committee (PTC).

Sl.No.	Nature of the meeting	Schedule
1	Grand Rounds Review meeting	Every Tuesday (9-11 AM)
2	Infection Control Committee	1 st Tuesday (2-3 PM)
3	Dr.YSR Aarogyasri review meeting	1 st & 3 rd Thursday (4-5 PM)
4	Monthly meeting Administrative Heads	2 nd Wednesday (3-4 PM)
5	Monthly meeting Faculty Heads	2 nd Friday (3-4 PM)
6	Sri Venkateswara Pranadana Meeting	Last Thursday of every month (11-12 Noon)
7	Institute Ethics Committee meeting	2 nd Monday (3-4 PM)
8	Hospital Blood Transfusion Committee meeting	1 st Friday (3-4 PM)
9	Pharmaco Vigilance committee	1 st Friday (3-4 PM)
10	Pharmacy and Therapeutics committee	1 st Friday (3-4 PM)
11	Mortality and Morbidity meeting	1 st Tuesday & 3 rd Wednesday (3-4 PM)
12	Clinical Audit Committee	Once in 3 months
13	Hospital Safety Committee	Once in 3 months
14	Medical Records review committee	1 st and 3 rd Thursday (10-11 AM)

1.13 New Facilities and services added:

- 1) Established community Medicine OPD on 05.12.2019
- 2) Established meditation clinic.
- 3) Hospital passed entry level NABH Accreditation. Waiting for final inspection.
- 4) Established Siddha Clinical Research Unit on 16th January, 2019 for providing siddha vydyā in co-ordination with Ministry of Ayush, Govt. of India.
- 5) One RMO appointed exclusively to look after patient related services in SPMC(W) Hospital on 30.09.2019.
- 6) Maha prasthanam services provided to WRC holders / Aarogyasri expired patients for providing free ambulance services from 16th April, 2019 from Hospital to patients home with help of ambulance association, SVIMS.
- 7) Night rounds for RMOs, CMOs and Medical Superintendent.
- 8) Start of toilet cleaning weeks once in 3 months.
- 9) Review of Mortality files every day.
- 10) Established generic medical shop in OPD.
- 11) Provided shelter for patients at in-patient block.
- 12) Health advisory hording setup throughout the hospital.
- 13) New concepts developed with Koti group.





Tirumala Tirupati Devasthanams



III WORKSHOPS/CMEs/CLINICAL MEETINGS/ CLINICO PATHOLOGICAL CORRELATION



III. Workshops/ CMEs/ Clinical meetings/ Clinico Pathological Correlation Organized at SVIMS

1.0 Workshops

1. The DM & HO, Chittoor has organized a workshop on “Talli Suraksha”-2019 on 14th May 2019.
2. The DM & HO, Chittoor has organized a meeting on “Expert Committee Health reforms with stake holders” on 15th July 2019.
3. A work shop on “ Transesophageal Echocardiography and Critical Care Ultrasound” by Dr. Sreekanth Cheruku, Assistant Professor, Divisions of Cardiothoracic Anaesthesiology and critical care Medicine , UT Southwestern Medical center, Texas, USA on 29th and 30th August 2019.

2.0 Guest Lecturers:

1. Department of Radiation Oncology has organized a guest lecture by Dr. K.S. Madhavan, Professor from Southend University Cancer Center, Essex, UK on topic: System, Drugs, Machines on 04th January 2019.
2. College of Physiotherapy has organized a guest lecture by Dr. Naveen Kumar, NIMS, Hyderabad topic: “Vertebral column” on 01.08.2019 at Physiotherapy college, Mini Auditorium.
3. College of Physiotherapy has organized a guest lecture by Dr. Sravan, NIMS, Hyderabad topic: “Shoulder injury” on 08.08.2019 at Mini Auditorium in Physiotherapy college.
4. College of Physiotherapy has organized a guest lecture by Dr. Varadharajulu, KIMS, Karad on topic: “Neural Plasticity on 17th August 2019 at Physiotherapy college, Mini Auditorium.
5. Department of Anaesthesiology has organized a guest lecture by Dr. Sreekanth R. Cheruku, Assistant Professor, Divisions of cardiothoracic Anaesthesiology and critical care Medicine, UT Southwestern Medical center, Texas on topic: “ ECMO and Mechanical devices” on 29.08.2019 at Sri Padmavathi Auditorium.
6. College of Physiotherapy organized a guest lecture by Ms. Sripriya, Management consultant from Chennai on topic: Assertive communication & working with collaboration” on 12.09.2019 at College of Physiotherapy.

3.0 Conference:

APESCON – 2019 3rd Annual Conference of Endocrine Society of Andhra Pradesh on 17th March 2019 organized by the Department of Endocrinology.

4.0 CME Programmes:

CME Programmes are organized by the departments regularly on the first Saturday of each month. The Programmes conducted for the year 2019 are furnished below:

S. No.	Topic	Speaker
1.	Depts. of Pathology, Physiology & Forensic Medicine on 05.01.2019	
	Physiology of Prostate	Dr N. Sharvani, Associate Professor,
	Dept. of Physiology, SVIMS, SPMC (W).	
	Recent advances in grading of Prostatic Adenocarcinoma	Dr B. Deepthi, Asst. Professor,
	Dept. of Pathology, SVIMS, SPMC(W).	

	Medico Legal Case Management	Dr K. Jyothi Prasad, Asst. Professor Dept. of Forensic Medicine, SVIMS, SPMC(W).
2.	Depts. of Neurosurgery & Neurology on 2nd& 3rd February 2019, on the topic: Skill Based yearly Neuroclinics @ post Graduate Students (SYNAPS 2019)	
	Day – 1 Feb 2nd Saturday	
	Lecture 1: Localization of LMN Lesion	Dr.Buchi Raju
	Case Discussion 1: A 35 yr old male with weakness of upper limbs and lower limbs	Neurology Faculty
	Exam Oriented EMG	Dr. Ravi SankarNaik
	Lecture 2: Clinical Examination of lower cranial nerves	Dr. R. Lakshmi Narasimhan
	Case Discussion 2: A 48 yr old female patient presenting with Hearing loss	Neurosurgery Faculty
	Brainstem Evoked Potentials	Dr. Ravi Shankar Naik
	Neuroradiology DD	Dr. B. Vijaya Lakshmi Devi
	Surgical Steps in CP Angle : Video based teaching	Dr. V.V. Ramesh Chandra
	Lecture 3: Clinical Assessment of Higher Mental Functions	Dr. S.R. Chandra
	Case Discussion 3: A 65 Yr old male with Memory Loss	Neurology Faculty
	PET/SPECT for Dementia – Clinician perspective	Dr RanadheerGuptha
	Lecture 4: Localization of Spinal cord lesion	Dr. B. Vengamma
	Case 4: A 32 yr old female patient presenting with Weakness of Both Lower Limbs	Neurosurgery Faculty
	Neuroradiology DD	Dr. A. Y. Lakshmi
	Surgical Steps: Video based teaching	Dr. V.V. Ramesh Chandra
	Exam Oriented Neuropathology of Nerve and Muscle	Dr.AnithaMahadevan
	Neuro Radiology Quiz	Dr Pavan Kale
	Day – 2 Feb 3rd Sunday	
	Lecture 5: Clinical Assessment of Visual Function	Dr. N.V. Sundarachary
	Case Discussion 5: A 28 Yr old female with Visual Disturbances	Neurosurgery Faculty
	Neuroradiology DD	Dr. B. Vijayalakshmi Devi
	Endocrinology workup in Pituitary Mass	Dr. V. Suresh
	Surgical Steps: Video based teaching	Dr. V.V. Ramesh Chandra
	Neuropathology of Brain Tumours	Dr.AnithaMahadevan
	Clinical Examination of Cerebellar Function	Dr. N.S. Sampath Kumar
	Case Discussion 6 :	
	A 45 Yr old male with Swaying While walking	Neurology Faculty
	Lecture 7: Clinical Examination of Muscles	Dr. E. Srikanth Reddy
	Case Discussion 7: A 30 Yr old male with Weakness of Upper Limbs and Lower Limbs	Neurology Faculty
	Lecture 8: Clinical Examination and approach to high cervical cord lesion	Dr. B.C.M. Prasad

	Case Discussion 8 : A 24 Yr old male presenting with Restricted Neck Movements, weakness all four limbs	Neurosurgery Faculty
	Neuroradiology DD	Dr. A.Y. Lakshmi
	Surgical Steps: Video based teaching	Dr V.V. Ramesh Chandra
	Prize distribution and Valedictory function	
3.	Depts. of Nephrology, Urology and OBG on 31.05.2019	
	Pregnancy related acute kidney Injury	Dr N. Praveen Asst. Prof. of Nephrology, SVIMS.
	Surgical causes of acute renal failure in pregnancy	Dr. K. Krishna Karthik, Asst. Prof. of Urology, SVIMS.
	Physiological changes in Pregnancy	Dr J. Malathi, Asst. Prof. of OBG, SVIMS, SPMC (W).
4.	Depts. of ENT, Ophthalmology and Dentistry on 22.06.2019	
	Nasopharyngeal Angiofibroma	Dr. V.Venkateswarlu (Professor & HOD), Dept. of ENT
	Diabetic Retinopathy – An overview	Dr B. Keerthi (Assistant Professor), Dept. of Ophthalmology
	Advanced diagnostic aids in dentistry	Dr. Madhu Babu (Associate Professor), Dept. of Dentistry
5.	Dept. of Pathology on 06.07.2019 on the topic: Role of Urine Analysis in Current Clinical Practice	
	Urine Analysis: A Bedside investigation	Dr N. Rukmangadha
	Urine Analysis in Metabolic Diseases	Dr M.M. Suchithra
	Urine Molecular Biology	Dr K.K Sharma
	Urine Analysis in infectious disease setting	Dr Usha Kalawat
	Urine Analysis for Nephrologists	Dr Aruna Vanikar, Prof and Head, Dept. of Pathology, Ahmedabad.
6.	Depts. of Microbiology, Community Medicine and Rheumatology on 20.07.2019, on the topic: Rheumatological Manifestations and Management of Hepatitis B,C & HIV	
	Epidemiology of Hepatitis B, Hepatitis C & HIV	Dr K. Nagaraj, Professor & HoD, Dept. of Community Medicine, SVIMS SPMC(W)
	Rheumatological Manifestations and Management of HBV, HCV & HIV	Dr K. Sireesha, Assistant Professor Dept. of Rheumatology, SVIMS
	Laboratory Diagnosis of Hepatitis B, Hepatitis C & HIV	Dr R. Jayaprada, Assoc. Professor, Dept. of Microbiology, SVIMS
7.	Depts. of Medicine, Paediatric and TB & RD on 17.08.2019 on the topic: Tuberculosis	
	RNTCP Update	Dr. Ramesh , DTCO
	INDEX – TB Guidelines	Dr.Alladi Mohan, Professor & Head, Dept. of Medicine, SVIMS.
	RNTCP: Paediatric TB update	Dr. N. Punith, Associate Professor, Dept. of Paediatrics, SVIMS, SPMC(W).
	Question & Answers session	Dr. Ramesh, DTCO Dr.Alladi Mohan, Professor & Head, Dept. of Medicine Dr. N. Punith, Associate Professor, Dept. of Paediatrics Dr. M. Revathi, Assistant Professor, Dept. of TB & RD.
8.	College of Physiotherapy on 25.09.2019	
	Chronic Pain	Dr. Rakesh, PG Resident, Dept. of Neurology, SVIMS
	Psychological Pain	Dr.Shivanand, Associate Professor, Dept. of Psychiatry, SVIMS
	Panel Discussion	Dr. K. Madhavi, Dr. A. Viswanath Reddy, Dr. C. Shanti, Dr. V. Sri Kumari, Dr. K. Senthil Kumar, Dr. C. Govardhan, Dr. M. Suresh kumar, Dr. S. Raghava Krishna
	Oral Presentation	PG Students

9.	Antimicrobial Stewardship Committee programme on 28.09.2019, on the topic: Antimicrobial Stewardship	
	Introduction	Dr Bhargavi, Assoc. Professor, Dept. of Medical Oncology
	Components of AMSP – Steps in Drafting, Implementation and monitoring – Local Antibiotic Policy	Dr R. Jayaprada, Assoc. Professor, Dept. of Microbiology
	Treatment of Resistant Organisms	Dr Alladi Mohan, Sr. Professor & Head, Dept. of Medicine
	Bacterial Resistance Mechanism and Their Clinical Relevance	Dr K.K. Sharma, Prof. & Head, Dept. of Microbiology
	Stewardship – Role of Microbiologist	Dr N. Rama Krishna, Assistant Prof. Dept. of Microbiology
	Optimization of Antimicrobial therapy using pharmacokinetics & Pharmacodynamics	Dr G. Bhanuprakash, Assistant. Prof., Dept. of Pharmacology
	Surgical Prophylaxis	Dr S. Yamini, Asst. Professor, Dept. of Microbiology
10.	Department of Cardiology on 28.09.2019 on the topic: Management of Dyslipidemia	
	LDL Lowering Therapies	Dr P. Sumanth Reddy, Asst. Professor
	Cholesterol Management: Guidelines and relevance to Indian scenario	Dr T. Suresh Babu, Asst. Professor
	Lipoprotein (a) – Still a little character?	Dr S. Praveen Kumar Reddy, Asst. Professor
	Familial Hypercholesterolemia	Dr M. Naganarasimha Reddy, Asst. Professor
	Role of life style in prevention of lipid disorders	Dr V. Vanajakshamma, Professor
11.	Depts. of Radiodiagnosis and Nuclear Medicine on the topic: “ Imaging in Musculo – Skeletal sports injuries	
	Bone scan in Sports Injuries	Dr. R. RamyaPriya, Assistant Professor, Dept. of Nuclear Medicine, SVIMS.
	Musculo – Skeletal Ultrasound in clinical Practice and interesting cases	Dr. P.M. Venkata Sai, Professor & HOD, Dept. of Radiology, SRMC, Porur, Chennai.
	Ultrasound evaluation of Sports injuries Common mistakes in knee injuries	Dr PrabhuRadhan, Associate Professor, dept. of Radiology, SRMC, Porur, Chennai.
12.	CME on Cardiopulmonary Resuscitation on 23.12.2019	
	Practical Session I	
	Practical Session II	
	Assessment of Cardiac Arrest	Dr. P. Subramanyam.,
	High Quality CPR	Miss. N. Afrin.
	Air way Management	Dr.S. Shameem
	Team Dynamics	Dr. K. M. Bhargav
	Pediatric life support	Dr. P. Puni Dr. P. Punith
	Near Death Experience in CKD Patients	Dr. P. L. Aishwarya
	Interactive Session	

Coverage of CME's



A CME was jointly organised by the Depts. of Pathology, Physiology & Forensic Medicine on 05.01.2019 on the topics: Physiology of Prostate, Recent advances in grading of Prostatic Adenocarcinoma and Medico Legal Case Management.



A CME was jointly organised by the Depts. of Neurosurgery & Neurology on 2nd & 3rd February 2019, on the topic: Skill Based yearly Neuroclinics @ post Graduate Students (SYNAPS 2019).



A CME was jointly organised by the Depts. of ENT, Ophthalmology and Dentistry on 22.06.2019. Dr. Madhu Babu, Associate Professor Dept. of Dentistry is seen delivering the lecture



A CME & 3rd Balaji Gold Medal Oration was organised by the Department of Pathology on 06.07.2019 on the topic: Role of Urine Analysis in Current Clinical Practice. Gold Medal awarded to Dr Arunavanikar, Prof and Head, Dept. of Pathology, Ahmedabad by Director-cum-VC.



A CME was jointly organised by the Depts. of Microbiology, Community Medicine and Rheumatology on 20.07.2019. Dr R. Jayaprada, Assoc. Professor Dept. of Microbiology is seen delivering the lecture on the topic: Rheumatological Manifestations and Management of Hepatitis B, C & HIV



A CME was jointly organised by the Depts. of Medicine, Paediatric and TB & RD on 17.08.2019. Dr. Ramesh, DTCO is receiving memento from Dr. B. Vengamma.



A CME was organised on World Physiotherapy Day by College of Physiotherapy on 25.09.2019. Dr. B. Vengamma, Director-cum-VC is addressing the gathering. Sri. Bhumana Karunakar Reddy, Tirupati MLA & Sri. Chevireddy Bhaskar Reddy, Chandragiri MLA have graced the occasion.



A CME- Antimicrobial Stewardship Committee programme was conducted on 28.09.2019, on the topic: Antimicrobial Stewardship. In this event Doctors felicitating Dr. B. Vengamma & Dr. Manohar, Prof. Of General Surgery, SVRRGGH.



*A CME was organised by Department of Cardiology on 28.09.2019 on the topic: Management of Dyslipidemia
Dr. B. Vengamma, Director-cum-VC is seen lighting the lamp & Dr V. Vanajakshamma, Professor of cardiology is seen delivering the lecture.*



*A CME was organised by Department of Cardiology on 28.09.2019 on the topic: Management of Dyslipidemia
Dr. B. Vengamma, Director-cum-VC is seen lighting the lamp & Dr V. Vanajakshamma, Professor of cardiology is seen delivering the lecture.*





A CME was organised by on 23.12.2019 on Cardiopulmonary Resuscitation. Practical Sessions Like Assessment of Cardiac Arrest, High Quality CPR, Air way Management, Team Dynamics, Pediatric life support, Near Death Experience in CKD Patients & Interactive Session are conducted in this event.

5.0 Clinical Meetings

Each department presents the clinical material in the form of a case presentation and recent trends in Medicine during regular academic programmes fixed on every Thursday and Saturday. The programs conducted for the year 2019 are furnished below:

S. No.	Date	Research presentation (Saturday)/ Case presentation (Thursday)		Spotters Presentation (Saturday) / Capsule on an investigation (Thursday)			
		Topic	Speaker	Department	Topic	Speaker	Department
1.	03.01.2019 Thursday	-	-	-	Early (Vs) Late bone marrow transplantation in multiple myeloma.	Dr V. Santhosh & Dr K.M. Ramprahallad	Medical Oncology
2.	05.01.2019 Saturday	Polymicrobial Aetiology of Chancroid	Dr T. Ram Sharan	Dermatology	Spotter	Dr T. Goutam Hanu	Neurosurgery
3.	12.01.2019 Saturday	Clinical presentation, Precipitating factors and biochemical profile in relation to the in hospital clinical course and outcomes of DKA.	Dr J. Sowjanya	Emergency Medicine	Spotter	Dr M. Ranadheer Gupta	Nuclear Medicine
4.	17.01.2019 Thursday	-	-	-	Surgery versus radiation therapy in early stage cervical cancer	Dr M. Hemanth (RO) Dr Nagesh (SO)	Radiation Oncology
5.	19.01.2019 Saturday	Prevalence of Autonomic neuropathy in patients with type 2 diabetes mellitus with special reference to cardiac autonomic neuropathy.	Dr K. Raghavendra	Endocrinology	Spotter	Dr K. Himaja	OBG
6	24.01.2019 Thursday	Hypospadias	Dr A. Yagneshwar Sharma	Urology	-	-	-
7.	31.01.2019 Thursday	Lung recruitment maneuvers in ARDS	Dr Santhiswetha& Dr Manogna	Anaesthesiology	-	-	-
8.	02.02.2019 Saturday	A Comparative study of nasal smear eosinophilia Vs Absolute eosinophilic count in patients with allergic rhinitis	Dr P. Bhanu	Surgical Oncology	Spotter	Dr B. Bhavya	Surgical Oncology
9.	07.02.2019 Thursday	Case – Coronary perforations	Dr P. Sumanth Reddy	Cardiology	-	-	-
10.	09.02.2019 Saturday	Ligature mark in hanging – Gross and Histopathological examination with evaluation and review	Dr K. Jyothi Prasad	Forensic Medicine	Spotter	Dr KR. Subash	Pharmacology
11.	14.02.2019 Thursday	-	-	-	ABG Vs VBG in Emergency	Dr Vinayak& Dr Nava Kiran	Emergency Medicine
12.	16.02.2019 Saturday	Outcomes of choledochoduodenostomy	Dr A. Lokesh	Surgical GE	Spotter	Dr Keerthi	Ophthalmology

13.	21.02.2019 Thursday	A case of precocious puberty – presentation of a rare disease	-	Dr G. Sandeep	Endocrinology	-	-	-
14.	28.02.2019 Thursday	-	-	-	Resuscitation in patients with septic shock : Is a change in protocol warranted	Dr V. Pradeep & Dr C. Rahul	Medicine	
15.	02.03.2019 Saturday	Our experience with haemorrhoidectomy	Dr T. Hema Chandra	General Surgery	Spotter	Dr P. Architha	Pathology	
16.	07.03.2019 Thursday	Triple whammy	Dr B. Alekhya	Nephrology	-	-	-	
17.	09.03.2019 Saturday	A Study on awareness and knowledge of clinical practice guidelines of chronic kidney disease among medicine residents	Dr N. Sai Sameera	Nephrology	Spotter	Dr V. Sravan Kumar Reddy	Medical Oncology	
18.	14.03.2019 Thursday	-	-	-	Management of GBS: IVIg Vs	Dr T. Kedar & Dr M. Manideep	Neurology	
19.	16.03.2019 Saturday	Burden of drug – Resistant tuberculosis in previously treated patients with pulmonary tuberculosis	Dr A. Praveen	Medicine	Spotter	Dr Jaya Priya	Psychiatry	
20.	21.03.2019 Thursday	7 Yr Male with quadriplegia and respiratory failure	Dr Kunal Kumar	Neurosurgery	-	-	-	
21.	23.03.2019 Saturday	Study of microbiological profile, Antimicrobial susceptibility patterns related to central line associated blood stream infections in respiratory intensive care unit setting in a tertiary care hospital, SVIMS, Tirupati.	Dr S. Noble Ujesh	Microbiology	Spotter	Dr G. Sunil Naik	Physiology	
22.	28.03.2019 Thursday	-	-	-	Ec- Renogram Vs DTPA Renogram	Dr J. Sai Moulika & Dr K.B. Sricharan	Nuclear Medicine	
23.	04.04.2019 Thursday	A rare lymphoproliferative disorder – Castle man disease (CD)	Dr V.Sravan Kumar reddy	Medical Oncology	-	-	-	
24.	13.04.2019 Saturday	Assessment of the normal range of serum homocysteine levels in nutritional anemia patients	Dr C. Chandra Sekhar	Haematology	Spotter	Dr Rinu Dwivedi	Paediatrics	
25.	18.04.2019 Thursday	Neck lymphnode metastases from unknown primary	Dr G. Hari Priya	Radiotherapy	-	-	-	
26.	20.04.2019 Saturday	A study on association of CYP2C9 Polymorphisms with phenytoin toxicity	Dr R. Rakesh reddy	Neurology	Spotter	Dr C.V Praveen kumarreddy	Plastic Surgery	
27.	25.04.2019 Thursday	-	-	-	Uncommon triple negative breast tumor a case report	Dr B. Suguna	Pathology	

28.	02.05.2019 Thursday	-	-	-	-	Anaesthetic management of a case of giant aneurysm posted for intracranial bypass procedure	Dr Kiranmaye	Anaesthesiology
29.	04.05.2019 Saturday	A study on optimal timing of cranioplasty for cases of decompression craniectomy	Dr Vivek Sharma	Neurosurgery	Spotter	Spotter	Dr G.P. Venkat Chowdary	Radiology
30.	09.05.2019 Thursday	-	-	-	-	Miniperc versus RIRS in management of small renal calculi	Dr SurajPinni and Dr Tushar Sharma	Urology
31.	11.05.2019 Saturday	Evaluation of consistency of 18F-FDG-PET/CT based metabolic tumor volume in primary tumor of non small cell lung carcinoma with respect to time.	Dr Sk. Mehabunnisa	Nuclear Medicine	Spotter	Spotter	Dr Ravi Krishna	Radiotherapy
32.	16.05.2019 Thursday	Acute onset rhabdomyolysis	Dr Y. Vinayak	Emergency Medicine	-	-	-	-
33.	18.05.2019 Saturday	PCOS: Analysis of Symptoms and management in a tertiary hospital	Dr V. Himabindu	OBG	Spotter	Spotter	Dr K. Sirisha	Rheumatology
34.	23.05.2019 Thursday	-	-	-	-	Culprit lesion only Vs Complete revascularization in STEMI	Dr B. Raghuram Dr V. Ravindra Dev	Cardiology
35.	30.05.2019 Thursday	Interesting Cases of fever	Dr C. Rahul	Medicine	-	-	-	-
36.	01.06.2019 Saturday	Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients.	Dr S. Nagesh Kumar	Surgical Oncology	Spotter	Spotter	Dr B. Suresh Babu	Transfusion Medicine
37.	06.06.2019 Thursday	After Metformin what ? SGLT2 – Inhibitors Vs DPP – 4 inhibitors	Dr G. Sandeep & Dr AvinashPatil	Endocrinology	-	-	-	-
38.	08.06.2019 Saturday	Spectrum of pediatric malignancies in a tertiary care center – A retrospective observational study	Dr V. Santhosh	Medical Oncology	Spotter	Spotter	Dr K. Changa Reddy	TB & RD
39.	13.06.2019 Thursday	Myotonic Dystrophica	Dr K. Srikanth	Neurology	-	-	-	-
40.	15.06.2019 Saturday	Dry Eye evaluation before and after cataract surgery	Dr B. Keerthi	Ophthalmology	Spotter	Spotter	Dr A. Yagneshwar Sharma	Urology
41.	20.06.2019	-	-	-	-	A debate on	Dr K. Naveen Kumar	Nephrology

	Thursday					intermittent Hemodialysis vs CRRT in acute kidney injury	& Dr M. Raja Amarendra	
42.	22.06.2019 Saturday	Differential Expression of CK7, CK20, CDX2 in Intestinal and pancreatobiliary types of perianapillary carcinoma.	Dr U. Divyasree	Pathology	Spotter	Spotter	Dr K. Vinay	Anaesthesiology
43.	27.06.2019 Thursday	An interesting case of rosai-dorfman disease with breast carcinoma	Dr N. Ajit	Nuclear Medicine	-	-	-	-
44.	04.07.2019 Thursday	-	-	-	Clipping Vs Coiling of Intra Cerebral Aneurysm	Clipping Vs Coiling of Intra Cerebral Aneurysm	Dr T. Goutam Hanu & Dr Nitin M barde	Neurosurgery
45.	06.07.2019 Saturday	Prescription pattern and day time sedation effective of psychotropic drugs among psychiatric patients in a tertiary care hospital, Tirupati	Dr G. Bhanu Prakash	Pharmacology	Spotter	Spotter	Dr K. Thyagaraju	Anatomy
46	11.07.2019 Thursday	A Curable case of precocious puberty in a male child	Dr B. Bhavya	Surgical Oncology	-	-	-	-
47	13.07.2019 Saturday	Who am i disorder	Dr. B. Sivanandh	Psychiatry	Spotter	Spotter	Dr. M. Keerthi Tej Mitta	Biochemistry
48	18.07.2019 Thursday	Duration of Trastuzumab therapy in early breast cancer – Short course versus conventional	Dr. M. Phaneendra & Dr. K. Lakshmi Priyadarshini	Medical Oncology	-	-	-	-
49	20.07.2019 Saturday	Effects of modified alternate nostril breathing exercise on stress score and heart rate variability in Young, healthy male volunteers	Dr. G. Sunil Naik	Physiology	Spotter	Spotter	Dr. M. Raja Naga mahesh	Cardiology
50	25.07.2019 Thursday	An usual Metastasis to Thyroid	Dr. U. Diva Sree	Pathology	-	-	-	-
51	01.08.2019 Thursday	-	-	-	Role of Adjuvant Chemoradiation Versus Adjuvant Chemotherapy in Resectable Adeno Pancreatic Carcinoma.	Role of Adjuvant Chemoradiation Versus Adjuvant Chemotherapy in Resectable Adeno Pancreatic Carcinoma.	Dr.M.Ravi Krishna & Dr.Santhosh	Radiation Oncology
52	03.08.2019 Saturday	A new born baby presenting with Respiratory Distress at 1 hr of Life	Dr.P. Sudha Priya	Paediatrics	Spotter	Spotter	Dr. J.Divyasree	CT Surgery
53	08.08.2019 Thursday	-	-	-	Pelviureteric Junction Obstruction	Pelviureteric Junction Obstruction	Dr. Naveen Goyal	Urology

54	10.08.2019 Saturday	A Comparative Study on Treatment of Keloid, TCA Vs TCA + 5FU	Dr.Praveen Kumar Reddy CV	Plastic Surgery	Spotter	Dr.T.V.D. Prathyusha	Community Medicine
55	17.08.2019 Saturday	To study Diagnostic efficacy of Ultrasound and MRCP in obstructive jaundice	Dr.Satyannarayana	Radiology	Spotter	Dr.D.S.MadhuBabu	Dentistry
56	22.08.2019 Thursday	-	-	-	ACE Inhibitors to be stopped on the morning of Surgery	Dr. P.Vijay, &Dr.Ravi Kumar	Anesthesiology
57	24.08.2019 Saturday	A Prospective study of comparison of Therapeutic Efficacy between Three Dimensional conformal radiotherapy (3D-CRT) and intensity modulated radiotherapy (IMRT) in locally advanced head and neck cancers	Dr.Masthan Basha	Radiotherapy	Spotter	Dr.A.Surekha	Dermatology
58	05.09.2019 Thursday	-	-	-	A Case of Subclavian Coronary Steal Phenomenon	Dr.P. Chandrasekhar Reddy	Cardiology
59	07.09.2019 Saturday	Utility of Blood pool spect in early detection of inflammation in arthritis and arthralgia cases	Dr.Dhamarcherla S Hemalathas	RRheumatology	Spotter	Dr.G.Pavan Kumar	Emergency Medicine
60	12.09.2019 Thursday	-	-	-	Secondary Diabetes Mellitus	Dr.D.Anusha	Endocrinology
61	14.09.2019 Saturday	A study of the association of the coronary artery disease with ABO and Lewis blood group phenotypes at a tertiary care teaching hospital in South India	Dr.C.Keerthi	Transfusion Medicine	Spotter	Dr.K.Raghavendra	Endocrinology
62	19.09.2019 Thursday	-	-	-	Ketogenic diet for weight loss	Dr. S.Lavanya & Dr.N.Sairam	Medicine
63	21.09.2019 Saturday	S.T.O.N.E Nephrolithometry score as a tool to predict stone clearance rates in patients undergoing Percutaneous Nephrolithotomy	Dr.Naveen Goyal Dr.P.Bhanu Pradeep	Urology	Spotter		ENT
64	26.09.2019 Thursday	-	-	-	SLE Nephritis: An Odd Outcome	Dr.B.Maria	Nephrology
65	05.10.2019 Saturday	Severe Asthma: Live your life with Omalizumab	Dr.K.Chenga Reddy	TB & RD	Spotter	Dr.B.Rupesh Kumar Naik	Forensic Medicine
66	10.10.2019 Thursday	Is poly pill a valid concept for stroke prevention	Dr.K.Srikanth & Dr.G.Sateesh	Neurology	A case of NF2 with Quadriplegia	Dr.Nitin Manohar Barde	Neurosurgery
67	12.10.2019 Saturday	A comparative study of analgesic effects of ketamine, Fentanyl and saline added to hyperbaric bupivacaine for central neuraxial	Dr.Sharon	Anaesthesiology	Spotter Presentation	Dr.D. Sudish	Surgical GE

		blockade in total knee replacement surgeries – A prospective randomized double blind placebo controlled study.	-	-	-	-						
68	17.10.2019 Thursday	-	-	-	-	-	-	Stress only Vs. Stress/Rest Myocardial Perfusion Study	Dr.K.Saikhmaja & Dr.T.M.Suma	Nuclear Medicine		
69	19.10.2019 Saturday	Silicone cast in situ: A technique to demonstrate the vasculature of the nervous system: In Goat Model	Mr.B.Ravindra Kumar	Dr.M.Phaneendra	Medical Oncology	Anatomy	Spotter	General Surgery	Dr.M. Uday Kiran			
70	24.10.2019 Thursday	Orbital apex syndrome secondary to Mucormycosis in a case of pediatric ALL	Dr.M.Phaneendra	Medical Oncology	Spotter	Orientation on new case sheet as per NABH Norms:	Dr.K.Vivekanand					
71	31.10.2019 Thursday	-	-	-	-	Passive Euthanasia in terminally ill cancer patients	Dr.S.Chaitanya Vani & Dr.C.SaiPraneeth	Surgical Oncology				
72	02.11.2019 Saturday	Novel Urinary Biomarkers for early detection of Diabetic Nephropathy in Patients with type-2 Diabetes Mellitus	Dr.N.Lakshmana	Biochemistry	Re-Orientation on NABH	Dr.K.V.SreedharBabu						
73	06.11.2019 Thursday	-	-	-	-	A Case of Nasopharyngeal Carcinoma	Dr.G.Anusha	Radiotherapy				
74	09.11.2019 Saturday	Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease.	Dr.B.Raghuram	Cardiology	Spotter Presentation	Dr.N.Sai Ram	Medicine					
75	14.11.2019 Thursday	-	-	-	-	A rare case of Langerhans Cell Histiocytosis – a case report Antimicrobial Stewardship Committee Presentation:	Dr.U.DivyaSree primary Vulvar Dr.K.Vijaya Chandra Reddy, Asst. Professor	Pathology Pharmacology				
76	16.11.2019 Saturday	Effect of combined antegrade and retrograde cold blood cardioplegia on myocardial protection in patients undergoing CABG, AVR, & DVR	E.HariChandana	CT Surgery	Spotter Presentation	Dr.V.S.Srikala	Microbiology					

77	21.11.2019 Thursday	Clipping a Giant Aneurysm – Role of an Anaesthesiologist	Dr. Radhika	Anaesthesiology	-	-
78	23.11.2019 Saturday	School Environmental Sanitation and Health Facilities: Comparative Study	Dr. Anju.D.Ade	Community Medicine	Spotter Presentation	Nephrology
79	28.11.2019 Thursday				Medical Management versus surgery in BPH Patients with moderate symptoms score (IPSS)	Urology
80	05.12.2019 Thursday	Case presentation/Post cardiac arrest resuscitation and care Soft Issue infections and management on behalf of antimicrobial stewardship committee	Dr Sadasiva Raju Faculty/Residents of Microbiology and Pharmacology	Emergency Medicine Microbiology and Pharmacology		
81	07.12.2019 Saturday	Serum, gingival crevicular fluid and macrophage inflammatory protein 1a (MIP -1a) Concentration in systemically healthy subjects: Their relationship in periodontal health and disease	Dr. D.S. MadhuBabu	Dentistry	Spotter Presentation	Neurology
82	12.12.2019 Thursday				Intra Coronary Imaging in PCI	Cardiology
83	14.12.2019 Saturday	Clinico – Epidemiological study of warts in a tertiary care centre Implementation of drug chart	Dr. R. Bhanu Prakash Faculty/Residents of Pharmacology	Dermatology Pharmacology	Spotter Presentation	Neurosurgery
84	19.12.2019 Thursday	Interstitial lung disease with congenital erythrocytosis	Dr. M. Haneesha	Medicine		
85	21.12.2019 Saturday	Clinical profile and outcomes in patients with acute intra cerebral hemorrhage presenting to emergency medicine in SVIMS	Dr. P. Subramanyam	Emergency Medicine	Spotter Presentation	Nuclear Medicine
86	26.12.2019 Thursday	-	-	-	Diagnostic Criteria for Gestational diabetes Mellitus	Endocrinology

6.0 Clinico Pathological Correlation (CPC)

The Academic programme on Clinico Pathological Correlation (CPC) was introduced with effect from January , 2019 Every 4th Saturday, the programme is arranged between 8:00 a.m. to 9.00 a.m. Dr R. Ram, Prof.& Head, Dept. of Nephrology, Dr V.V. Ramesh Chandra, Prof.& Head, Dept. of Neurosurgery acted as coordinators for Medical & Surgical cases respectively. The programmes conducted for the year 2019 are as given below:

S. No.	Date	Topic	Discussant
1	27.01.2018	A 38-year gentleman presented with complaints of cough and expectoration of 3 months duration	Dr O. Harish Dept. of Cardiology
01.	23.02.2019	A-57-year gentleman presented with history of headache and altered sensorium for the past 4 days.	Dr. C. Praveen Kumar Reddy, Dept. of Cardiology
02.	30.03.2019	A 69 year female with lower abdominal pain and vomiting for 2 months.	Dr B. Rama Krishna Dept. of General Surgery
03.	27.04.2019	A 53-year gentleman presented with the complaints of pain in lower limbs, more in lower one third of the legs and difficulty in ambulating of three months duration.	Dr Vasili Pradeep Dept. of Medicine
04.	25.05.2019	A 43-year female presented with distension of abdomen with pain for 01 month.	Dr Lokesh Arora Dept. of Surgical GE
05.	29.06.2019	A 60-year-old gentleman presented with the complaints of nausea, vomiting, and malaise of 1 week duration.	Dr P. Sai Krishna Chaitanya Dept. of Endocrinology
06.	27.07.2019	A 48 year female with Pain right upper abdomen since 3 months with increased frequency of micturition and dysuria.	Dr V.Niranjan Dept. of Neurosurgery
07.	31.08.2019	A 74-year gentleman presented with the complaints of polyuria and polydypsia for the past three months.	Dr M.Mani Deep Dept. of Neurology
08.	28.09.2019	68 year male with Lump abdomen in umbilical region for 2 months, Early satiety for 2 months.	Dr Surajpinni Dept. of Urology
09.	30.11.2019	The Patient had multiple admissions. For the ease of reading the each admission details in the text and corresponding investigations in the table are related with a Roman numeral. An thirty eight year gentleman presented with the complaints of fever of three days duration.	Dr Naveen Dept. of Nephrology
10.	28.12.2019	44 year female P2L2 with pain in the lower abdomen for 20 days	Dr. Chaitanya Dept. of Surgical Oncology

QUIZ

Conducted by Dr. Alok Sachan, Prof. & HOD, Dept. of Endocrinology, Dr. Y. Mutheeswaraiiah, Professor and HOD, Dept. of General Surgery, Dr. M. Ranadheer Gupta, Associate Professor, Dept. of Nuclear Medicine on 7th February 2019 at Sri Padmavathi Auditorium.

NAVASAKAM – Dr. YSR Arogyasri – Review meeting with Private Nursing Home Doctors on Seasonal diseases and PCPNDT Act by the District Collector, Chittoor on 6.12.2019 at Sri Padmavathi Auditorium.



IV. RESEARCH



IV Research Activities

As per section 4 of the act No.12 of 1995, one of the objects of the institute is to conduct research in the relevant disciplines of modern medicine and other allied sciences, including inter-disciplinary fields of Physical and Biological Sciences.

The greatest asset of Sri Venkateswara Institute of Medical Sciences is its highly dedicated and motivated team of faculty, postgraduates, research scholars and para-medical staff, rendering their services to the patients with great determination and enthusiasm. To prove this, the faculty and postgraduates have won several awards in various conferences of national and international reputation for presenting their research work. Several research projects are being undertaken with the financial assistance from Government of India institutions like Department of Biotechnology (DBT), Department of Science and Technology (DST), Defence Research & Development Organization (DRDO), Director General of Health Services (DGHS), Indian Council for Medical Research (ICMR), National AIDS Control Organization (NACO) & Central TB Division, Andhra Pradesh Council for Sciences & Technology (APCOST) European Union and Sri Balaji Aarogya Varaprasadini (SBAVP) scheme of SVIMS, TTD.

1.0 Abstract of Publications

1. Association of G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post – sternotomy pain.

Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK.

Gen Thorac Cardiovasc Surg 2019;67:806-10.

Chronic persistent surgical pain (CPSP) is a complex disease with strong genetic component. The studies on revealed association of mutations in membrane bound catechol-O-methyltransferase gene with CPSP were reported indifferent ethnic populations across the globe. We identify that one out of four patients who underwent sternotomy procedure showed CPSP even after 3 months of surgery. The Mb.COMT gene sequence analysis revealed of the four patients, three patients had no mutation in Mb.COMT gene, while in one patient exhibited G472A mutation. Interestingly, this patient showed CPSP even after 90 days of surgery. The magnitude of the CPSP was evaluated with pain questionnaires' at the end of 3 months after discharge from the hospital. In this study 25% (1/4) showed presence G472A allele correlating with CPSP. Further the study suggested that evaluation of G472A allele of Mb.COMT gene in the patients undergoing sternotomy for monitoring pain in pre and post-surgical events.

2. Comparison of Performance of APACHE II and SOFA Scoring Systems in Critically Ill Patients Admitted to Intensive Care Unit.

Rao MH, Venkatraman A, Naga Divya R, Madhusudhan M, Alladi M, Samantharay A.

Indian J Chest Dis Allied Sci 2019; 61:69-74.

Background: Several disease scoring systems have evolved for predicting the mortality in intensive care unit (ICU) patients. We evaluated the performance of Acute Physiology and Chronic Health Evaluation II (APACHE II) and Sequential Organ Failure Assessment (SOFA) scoring systems in providing mortality risk estimates in critically ill patients. **Methods:** During March 2015 to March 2016, 160 critically ill patients requiring mechanical ventilation (MV) at our tertiary care teaching hospital in south India were prospectively studied. **Results:** Compared to survivors, non-survivors were significantly older (median [interquartile range, IQR] age [years] 42.5 (28-54.3) versus 33 [22–49.3] [p=0.025]); had higher median (IQR) APACHE II score (23 [18-29] versus 15 [11.8-19]); and SOFA score (9 [6-12] versus 5 [4-7] [p17, sensitivity 67.8%, specificity 80%) and SOFA score (cut-off >7, sensitivity 78.9% and specificity 67.1%) performed similarly in predicting mortality (difference between areas under the curve 0.0180; standard error 0.0316; 95%

confidence interval, -0.0440 to 0.0800; z statistic 0.569; $p=0.569$). **Conclusion.** Both APACHE II and SOFA scores appear to be useful tools in predicting mortality in critically ill patients requiring MV in the setting of an ICU in south India.

3. A comparative evaluation of preemptive versus postsurgery intraperitoneal local anaesthetic instillation for postoperative pain relief after laparoscopic cholecystectomy: A prospective, randomised, double blind and placebo controlled study.

Putta PG, Pasupuleti H, Samantaray A, Natham H, Rao MH.

Indian J Anaesth 2019;63:20511.

Background and AIMS: Intraperitoneal local anaesthetic instillation (IPLAI) reduces postoperative pain and analgesic consumption effectively but the timing of instillation remains debatable. This study aims at comparing pre-emptive versus post-surgery IPLA in controlling postoperative pain after elective laparoscopic cholecystectomy. **Methods:** Ninety patients belonging to American Society of Anesthesiologists physical status I or II were randomly assigned to receive IPLAI of either 30 ml of normal saline (C) or 30 ml of 0.5% bupivacaine at the beginning (PE) or at the end of the surgery (PS) using a double-dummy technique. The primary outcome was the intensity of postoperative pain by visual analogue scale score (VAS) at 30 minute, 1, 2, 4, 6, 24 hours after surgery and time to the first request for analgesia. The secondary outcomes were analgesic request rate in 24 hours; duration of hospital stay and time to return to normal activity. Data were compared using analysis of variance, Kruskal-Wallis or Chi-square test. **Results:** For all predefined time points, VAS in group PE was significantly lower than that in groups C ($P < 0.05$). The time to first analgesic request was shortest in group C (238.0 ± 103.2 minutes) compared to intervention group (PE, 409.2 ± 115.5 minutes; PS, 337.5 ± 97.5 minutes; $P < 0.001$). Time to attain discharge criteria was not statistically different among groups. **Conclusion:** Pre-emptive intraperitoneal local anaesthetic instillation resulted in better postoperative pain control along with reduced incidence of shoulder pain and early resumption of normal activity in comparison to post surgery IPLAI and control.

4. The Morphological and Morphometric Study on Diaphyseal Nutrient Foramina of Dry Human Fibula Bones.

Sreekanth C, Vinayaka Naik I.

J Anat Res 2019;7:6302-6.

Introduction: The foramina which leads into a canal on the shaft, through which the vessels enter to supply the medullary cavity is called nutrient foramina. The major source of blood supply during the bone growth and development is by nutrient artery **Materials and methods:** The study was conducted on 218 adult humeri. The number, direction and location of nutrient foramen were observed with the help of a hand lens. The Total length of humerus, distance of the nutrient foramen from its upper end, Location of the nutrient foramen with respect to the surfaces, zones and the foramen index were noted. **Results:** It was observed that 81.19% of the humeri had a single nutrient foramen, 18.35% double foramen, 0.45% triple foramen, where as 3.67% humeri did not have any nutrient foramina. The majority (82.11%) of the nutrient foramina were present on the antero-medial surface, 14.22% on the medial border and 9.63% on the anterolateral surface, 7.8% on the posterior border and 0.46% on anterior border of the shaft of humeri. The foramen index was observed to be 56.35 ± 7.36 on right side and 55.57 ± 8.5 on left side, indicating the zonal distribution of foramina in the middle third of the bone. **Conclusion:** With the increasing number of fracture cases due to various causes, the knowledge of nutrient foramina is of much importance in bone reduction and grafting techniques. The present study adds to the existing data on nutrient foramina especially in the population of Telangana region.

5. Hierarchical-Clustering, Scaffold-Mining Exercises and Dynamics Simulations for Effectual Inhibitors Against Lipid-A Biosynthesis of Helicobacter pylori.

Pasala C, Katari SK, Nalamolu RM, Bitla AR, Amineni U.

Cellular and Molecular Bioengineering 2019;12:255-74.

Introduction: Treatment failures of standard regimens and new strains egression are due to the augmented drug resistance conundrum. These confounding factors now became the drug designers spotlight to implement

therapeutics against *Helicobacter pylori* strains and to safeguard infected victims with devoid of adverse drug reactions. Thereby, to navigate the chemical space for medicine, paramount vital drug target opting considerations should be imperative. The study is therefore aimed to develop potent therapeutic variants against an insightful extrapolative, common target LpxC as a follow-up to previous studies. **Methods:** We explored the relationships between existing inhibitors and novel leads at the scaffold level in an appropriate conformational plasticity for lead-optimization campaign. Hierarchical-clustering and shape-based screening against an in-house library of > 21 million compounds resulted in panel of 11,000 compounds. Rigid-receptor docking through virtual screening cascade, quantum-polarized-ligand, induced-fit dockings, post-docking processes and system stability assessments were performed. **Results:** After docking experiments, an enrichment performance unveiled seven ranked actives better binding efficiencies with Zinc-binding potency than substrate and in-actives (decoy-set) with ROC (1.0) and area under accumulation curve (0.90) metrics. Physics-based membrane permeability accompanied ADME/T predictions and long-range dynamic simulations of 250 ns chemical time have depicted good passive diffusion with no toxicity of leads and sustained consistency of lead1-LpxC in the physiological milieu respectively. **Conclusions:** In the study, as these static outcomes obtained from this approach competed with the substrate and existing ligands in binding affinity estimations as well as positively correlated from different aspects of predictions, which could facilitate promiscuous new chemical entities against *H. pylori*.

6. Study of contrast-induced oxidative stress in nondiabetic patients undergoing coronary angiography.

Manda P, Srinivasa Rao PVLN, Bitla AR, Vinapamula KS, Jeyaseelan L, Rajasekhara D, Vishnubhotla S.

Saudi J Kidney Dis Transpl. 2019;30:45-52.

Administration of iodinated contrast media is associated with serious complications such as acute kidney injury (AKI). Oxidative stress is implicated as a major mechanism underlying the production of contrast-induced AKI (CI-AKI). There are very few human studies on oxidative stress occurring after contrast administration. Twenty-seven patients scheduled for coronary angiography were recruited. An average of 22.2 mL low-osmolal nonionic contrast was administered. Plasma conjugated dienes

(CD), lipid hydroperoxides (LOOH), malondialdehyde (MDA), protein carbonyl (PC), protein thiols (PTs), ferric reducing ability of plasma (FRAP), erythrocyte super oxide dismutase (SOD), catalase (CAT), glutathione peroxidase (GPx), and glutathione reductase were estimated before, 30 min, 2 and 4 h after contrast administration. CD, LOOH, MDA, and PC increased ($P < 0.001$), whereas PTs, FRAP, SOD, CAT ($P < 0.001$), and GPx ($P = 0.013$) decreased in the first 4 h. Estimated glomerular filtration rate (eGFR) showed inverse association with MDA and positive association with GPx. The study provides evidence for oxidative stress following contrast administration even in the absence of predisposing factors. Association of eGFR with MDA and GPx indicate kidney as the source of oxidative stress. Hence, antioxidant therapy before contrast administration helps to prevent the development of oxidative stress, thereby reducing the risk of CI-AKI.

7. Oxidative stress in relation to obesity in breast cancer.

Sateesh R, Bitla AR, Budugu SR, Mutheeswariah Y, Narendra H, Phaneendra BV, *et al.*

Indian J Cancer 2019;56:41-4.

Purpose: Breast carcinoma is one of the most common neoplasms in women and is a leading cause of cancer-related deaths worldwide. Obesity-induced chronic inflammation promoted by adipose tissue dysfunction is a key feature, which is thought to be an important link between obesity and cancer. Oxidative stress (OS) has been suggested to play an important role in carcinogenesis. Obese women have been shown to have higher levels of OS markers. The study was performed to know the influence of obesity on OS to be replaced with OS markers in patients with breast cancer. **Materials and Methods:** Thirty women attending the outpatient Department of Surgical Oncology and Surgery at Sri Venkateswara Institute of Medical Science, Tirupati, who were clinically diagnosed and histologically confirmed with breast cancer were considered as the patients and 30 healthy women were included as controls. Malondialdehyde (MDA), protein carbonyls (PCC), and advanced oxidation protein products (AOPP) as oxidative markers along with protein thiols and ferric-reducing ability of plasma (FRAP) were studied as markers of antioxidant status. **Results:** Patients with breast cancer had significantly higher levels of MDA ($P = 0.005$), PCC, and AOPP compared to controls ($P = 0.001$) and significantly lower levels of thiols and FRAP compared to controls ($P = 0.001$). No significant correlation

was found between OS markers and indices of obesity. A significant association was found between OS markers ($P = 0.005$), PCC ($P = 0.002$), AOPP ($P = 0.002$), and breast cancer. **Conclusions:** Patients with breast cancer have increased OS as evidenced by an increase in oxidant markers and a decrease in antioxidant markers. OS is not related to their adiposity but is related to the presence of breast cancer.

8. Urinary brush border enzymes for early diagnosis of tubular dysfunction in patients with type 2 diabetes mellitus.

Sasikala T, Bitla AR, Sachan A.

Int J Res Med Sci 2019;7:2015-21.

Background: Diabetic nephropathy is a major cause of premature morbidity and mortality in type 1 and type 2 diabetes mellitus (T2DM) and hence new markers with better sensitivities are being investigated. The study was taken up to investigate whether urinary activities of N-acetyl- β -D-glycosaminidase (NAG), alkaline phosphatase (ALP), lactate dehydrogenase LDH) and Gamma glutamyl transferase (γ -GT) can be used as screening markers of renal dysfunction in patients suffering from T2DM.

Methods: One hundred and four patients with T2DM along with 30 age- and gender-matched healthy individuals were included in the study. Patients were divided into three groups based on their u-MA levels i.e. normoalbuminuric (group1), micro albuminuric (group 2) and macroalbuminuric (group 3). **Results:** Urinary enzymes activity was significantly higher in patients with T2DM compared to controls ($p < 0.05$). NAG, ALP, LDH, and GGT were significantly higher in group 3 compared to group1 and group 2 ($p < 0.0001$). NAG, ALP, LDH and GGT showed significant positive correlation with MA ($p = 0.0001$, $r = 0.308$; $p = 0.0001$, $r = 0.369$; $p = 0.002$, $r = 0.304$, $p = 0.044$, $r = 0.202$ respectively). GGT and LDH showed highest sensitivity (86.21%, 84.00% respectively) and specificity (78.57%, 53.49% respectively) for diagnosing renal dysfunction in patients with normoalbuminuria.

Conclusions: The study suggests that u-GGT and LDH can be useful markers for assessing renal dysfunction in T2DM patients even before microalbuminuria manifests.

9. Association of single nucleotide polymorphisms of adiponectin and leptin genes with breast cancer.

Geriki S, Bitla AR, SrinivasaRao PVLN, Hulikal N, Yootla M, Sachan A et al

Mol Biol Rep. 2019;46:6287-97.

Single nucleotide polymorphisms (SNPs) in adiponectin gene [rs1501299 (+276G/T) and rs266729 (-11377C/G)] and one SNP of leptin gene [rs7799039 (-2548G/A)] are known to influence plasma levels of adiponectin and leptin respectively. Literature is scarce on the association of adiponectin gene polymorphism rs266729 with breast cancer. The present study was taken up to study these polymorphisms and their association with breast cancer. Ninety-three patients diagnosed with malignant breast cancer were included as cases along with 186 age matched healthy controls. Adiponectin +276G/T, -11377C/G and leptin -2548G/A polymorphism were studied using polymerase chain reaction (PCR) based restriction fragment length polymorphism (RFLP). Adipokine levels in blood were measured using enzyme linked immunosorbent assay. Adiponectin +276G/T and leptin -2548G/A showed a significant increased risk for breast cancer even after adjusting for confounding variables like present age, age at menarche, age at first child birth and age at menopause. In the subset analysis, based on menopausal state, stronger association was observed between SNP in adiponectin gene +276G/T with the breast cancer in post-menopausal women after adjusting for all other variables. No association was found with adiponectin -11377C/G. No association of the gene polymorphisms with adipokine levels was observed. Also, no significant association was seen for the effect of gene-environment interaction i.e. presence of polymorphism with obesity and menopausal state for any of the SNPs studied. Adiponectin +276G/T is strongly associated with breast cancer in postmenopausal women while leptin -2548G/A polymorphisms is significantly associated with breast cancer irrespective of the menopausal state in south Indian subjects.

10. Serum tumor markers in advanced stages of chronic kidney diseases.

Rani B S, Suchitra M M, Srinivasa Rao PVLN, Sivakumar V.

Saudi J Kidney Dis Transpl 2019;30:898-904.

Chronic kidney disease (CKD) is one of the most important noncommunicable diseases. Abnormal concentration of some tumor markers were found in a spectrum of nonmalignant diseases such as benign ovarian tumors, breast diseases, chronic hepatitis, cirrhosis, diseases of the

bile duct, and in CKD. Hence, the present study was undertaken to evaluate carbohydrate antigen (CA) 15-3, carcinoembryonic antigen (CEA), CA 19-9, and human chorionic gonadotropin (HCG) concentrations in advanced stages of CKD (Stage 4 and 5) patients who are not on dialysis and with no known malignancy. Patients included 40 CKD patients and 40 healthy controls. CA 15-3, CEA, CA 19-9, and HCG in serum were estimated by enzyme-linked immunosorbent assay method. The differences in tumor marker levels between the controls and advanced stages of CKD (Stage 4 and 5) were assessed using one-way analysis of variance using the Statistical Package for the Social Sciences for Windows version 16.5. CKD patients had significantly elevated levels of CEA, HCG, CA 19-9, and CA 15-3 compared to the control group ($P = 0.001$). There was no difference in the tumor markers levels between CKD Stage 4 and 5. Elevation in serum tumor markers may be a possibility in patients with CKD even in the situations of the absence of a malignancy. This may be due to an alteration in their metabolism in CKD and reduction of glomerular filtration rate leading to impaired excretion. Hence, it may be prudent to exercise caution in the interpretation of serum tumor markers as a representative for underlined malignancy in patients of CKD.

11. Role of adipokines, oxidative stress, and endotoxins in the pathogenesis of nonalcoholic fatty liver disease in patients with type 2 diabetes mellitus.

Pallavi M, Suchitra MM, Alok Sachan, Lakshmi AY, Srinivasa Rao PVLN.

Int J Res Med Sci 2019 ;7:1644-52.

Background: Type 2 diabetes mellitus (T2DM) is associated with chronic inflammation and oxidative stress, implicated in the pathophysiology of non-alcoholic fatty liver disease (NAFLD). Present study aimed to assess the role of adipokines, oxidative stress, and endotoxins in the pathogenesis of NAFLD in T2DM. **Methods:** Present cross-sectional observational study included healthy controls ($n=50$; group 1); T2DM patients without NAFLD ($n=50$; group 2), T2DM patients with NAFLD ($n=50$; group 3). Study subjects were age and gender matched. **Results:** Tumor necrosis factor- α (TNF- α), interleukin-6 (IL-6), high sensitive C-reactive protein (hs-CRP), endotoxin, malondialdehyde (MDA) were significantly elevated and adiponectin, ferric reducing ability of plasma (FRAP), and glutathione (GSH) were significantly lower ($p<0.001$) in

T2DM patients with NAFLD when compared to T2DM patients without NAFLD and controls. Endotoxin showed significant positive correlation with TNF- α ($r=0.304$; $p<0.001$), hs-CRP ($r=0.193$; $p=0.018$), and MDA ($r=0.420$; $p<0.001$), and significant negative correlation with adiponectin ($r=-0.406$; $p<0.001$). TNF- α and IL-6 showed significant positive correlation with MDA ($r=0.526$; $p<0.001$, $r=0.229$; $p=0.005$) and significant negative correlation with adiponectin ($r=-0.396$; $p<0.001$, $r=-0.318$; $p<0.001$), FRAP ($r=-0.418$; $p<0.001$, $r=-0.170$; $p=0.038$), and GSH ($r=-0.353$; $p<0.001$, $r=-0.301$; $p<0.001$).

Conclusions: Authors observed elevated endotoxin, oxidative stress, inflammation and lower adiponectin levels in T2DM subjects compared to controls. These changes were more pronounced in T2DM with NAFLD when compared to T2DM without NAFLD. Lower adiponectin levels were found to be a better predictor of NAFLD in T2DM and is associated with oxidative stress and systemic inflammation.

12. Atherogenic ratios and serum lipid levels in patients with end-stage renal disease on continuous ambulatory peritoneal dialysis.

Narasimha S, Devi NH, Sachan A, Kumar VS.

J NTR Univ Health Sci 2019;8:89-94.

Background: Patients with end-stage renal disease (ESRD) on continuous ambulatory peritoneal dialysis (CAPD) often have an atherogenic lipid profile. Lipid disturbances that have been observed in patients with ESRD on CAPD include hypercholesterolemia, hypertriglyceridemia, and decreased high-density lipoprotein cholesterol (HDL-c). **Aim and Objectives:**

To study the atherogenic ratios and serum lipid levels in patients with ESRD on CAPD and compare with healthy controls. **Materials and Methods:** This study included 30 patients with ESRD before and after the initiation of continuous ambulatory peritoneal dialysis and 30 healthy controls. Thirty patients with ESRD after the start of peritoneal dialysis were regularly followed up for 3rd, 6th, 9th, 12th, and 15th months. The biochemical parameters were measured in baseline and follow-up samples.

Results: The concentrations of (TC), serum triglycerides (TGs), very low-density lipoprotein cholesterol (VLDL-c), and atherogenic ratios were increased and levels of serum TC, low-density lipoprotein cholesterol (LDL-c), and HDL-c were decreased significantly during 3rd and 6th months. However, after 1 year of CAPD, the serum TGs,

VLDL-c, TC, and LDL-c levels were significantly higher than the baseline values and HDL-c was significantly lower than the baseline values. **Conclusion:** The present study findings conclude that the continuous peritoneal absorption of glucose during CAPD contributes to alteration in serum lipids. However, the changes are fluctuating as an adaptation to the peritoneal absorption of glucose.

13. Burnt-out diabetes in diabetic nephropathy patients on maintenance haemodialysis.

Anjani A, Harini Devi N, Nagaraj RD, Sivakumar V.

J Clin Sci Res 2019;8:7-10.

Background: Diabetic nephropathy contributes to about 50% of end-stage renal disease (ESRD) worldwide. Diabetic ESRD patients experience spontaneous resolution of hyperglycaemia with normalisation of blood glucose and glycosylated haemoglobin leading to discontinuation of antidiabetic medicines, which progress to burnt-out diabetes state. The occurrence of burnt-out diabetes state needs to be identified for reducing the occurrence of hypoglycaemic episodes in diabetes patients on maintenance haemodialysis (MHD). **Methods:** A cross-sectional study was conducted in ESRD patients on MHD at the dialysis unit, the Department of Nephrology at Sri Venkateswara Institute of Medical Sciences, Tirupati, during the period January–April 2016. The diabetic ESRD patients on MHD were further subgrouped as burnt-out and non-burnt-out patients. **Results:** Among the patients with diabetes, burnt-out state was observed in 12 (23%) and non-burnt out were of 40 (77%) patients. The serum triglycerides, very low-density lipoprotein cholesterol, low-density lipoprotein cholesterol and parathyroid hormone levels were found to be increased, whereas body mass index, blood urea, serum high-density lipoprotein (HDL) and 25 hydroxy vitamin D (25 OHD₃) levels were found to be decreased in burnt-out diabetic patients compared with non-burnt-out diabetic patients which were not statistically significant except for urea and HDL. **Conclusion:** Approximately, one-fourth of our patients were belonging to burnt-out diabetes state. If burnt-out diabetes state is recognised, unnecessary administration of insulin and other drugs which precipitate hypoglycaemia can be avoided so that the future risk of cardiovascular disease and mortality is minimised.

14. Pill burden, sleep quality, anxiety, depression in patients with diabetic and non-diabetic chronic kidney disease.

Shaik KSB, Mahendra Reddy T, Dudekula S, Siddham SP, Jayaraman R, Harini Devi N et al

J Biomed Pharma Res 2019;9:60-67.

Background: Type 2 diabetes mellitus (T2DM) is associated with chronic inflammation and oxidative stress, implicated in the pathophysiology of non-alcoholic fatty liver disease (NAFLD). Present study aimed to assess the role of adipokines, oxidative stress, and endotoxins in the pathogenesis of NAFLD in T2DM. **Methods:** Present cross-sectional observational study included healthy controls (n=50; group 1); T2DM patients without NAFLD (n=50; group 2), T2DM patients with NAFLD (n=50; group 3). Study subjects were age and gender matched. **Results:** Tumor necrosis factor- α (TNF- α), interleukin-6 (IL-6), high sensitive C-reactive protein (hs-CRP), endotoxin, malondialdehyde (MDA) were significantly elevated and adiponectin, ferric reducing ability of plasma (FRAP), and glutathione (GSH) were significantly lower ($p<0.001$) in T2DM patients with NAFLD when compared to T2DM patients without NAFLD and controls. Endotoxin showed significant positive correlation with TNF- α ($r=0.304$; $p<0.001$), hs-CRP ($r=0.193$; $p=0.018$), and MDA ($r=0.420$; $p<0.001$), and significant negative correlation with adiponectin ($r=-0.406$; $p<0.001$). TNF- α and IL-6 showed significant positive correlation with MDA ($r=0.526$; $p<0.001$, $r=0.229$; $p=0.005$) and significant negative correlation with adiponectin ($r=-0.396$; $p<0.001$, $r=-0.318$; $p<0.001$), FRAP ($r=-0.418$; $p<0.001$, $r=-0.170$; $p=0.038$), and GSH ($r=-0.353$; $p<0.001$, $r=-0.301$; $p<0.001$). **Conclusions:** Authors observed elevated endotoxin, oxidative stress, inflammation and lower adiponectin levels in T2DM subjects compared to controls. These changes were more pronounced in T2DM with NAFLD when compared to T2DM without NAFLD. Lower adiponectin levels were found to be a better predictor of NALFD in T2DM and is associated with oxidative stress and systemic inflammation.

15. Brown adipose tissue in adult humans: A mini review.

Kiranmayi VS, Bhargav KM.

J Clin Sci Res 2019;8:24-8.

Background: Brown adipose tissue (BAT) is abundant in small mammals and in newborns and helps them to survive cold temperatures. In adults, it had long been considered to be absent or at least of no relevance. Recent

investigations, however, have fuelled interest in adult BAT. **Objective:** We aimed at (1) summarizing structural and physiological characteristics of BAT versus white adipose tissue (WAT); (2) discussing the development of the two adipose tissue types; (3) reviewing the data available from human studies on BAT, and (4) discussing the impact of aging. **Methods:** We summarize recent descriptions of BAT and WAT based on the original literature and reviews in the field, with emphasis on human BAT. **Results:** WAT and BAT have essentially antagonistic functions: WAT stores excess energy as triglycerides and BAT is specialized in the dissipation of energy through the production of heat. Considerable amounts of BAT are present in a substantial proportion of adult humans and relatively high quantities of BAT are associated with lower body weight. With increasing age, BAT decreases and body weight increases. **Conclusions:** Although the available cross-sectional data do not allow definite conclusions to be drawn concerning a causal relationship between loss of BAT and increasing body weight with advancing age or obesity-related metabolic disorders of older age, stimulation of BAT appears to be an attractive novel candidate target for the treatment of age-related obesity.

16. Study of serum adiponectin levels in women with polycystic ovary syndrome.

Gowthami P, Kiranmayi VS, Rani BS, Suresh V, Vijayalakshmi Devi B.

Indian J Obstet Gynecol Res 2019;6:288-92.

Introduction: Adiponectin which is an important adipocyte derived cytokine was shown to play significant role in reproduction, besides other biological functions. Altered adiponectin levels are observed in women with polycystic ovary syndrome (PCOS) owing to an increased prevalence of obesity in them. The altered adiponectin levels could further contribute to the development of metabolic disturbances and associated complications in PCOS women. Hence, assessment of adiponectin levels in women with PCOS may help in understanding its role in causing metabolic disturbances. In this background, the present study was aimed to measure adiponectin levels in women with PCOS and also to evaluate its association with the biochemical parameters studied. **Materials and Methods:** Thirty women diagnosed with PCOS based on the Rotterdam criteria and 30 age matched apparently healthy women were recruited. Fasting venous blood samples were collected from all the subjects after informed

consent. Adiponectin levels were measured along with measurement of fasting blood glucose, lipid profile using commercial kits and insulin resistance (HOMA-IR) was calculated. **Results:** Serum adiponectin levels were significantly lower ($p=0.002$) whereas total cholesterol and triglycerides were significantly higher in PCOS women compared to controls ($p=0.005$ and 0.028 , respectively). Fasting blood glucose, insulin, HOMA-IR and HDL cholesterol levels were similar in PCOS women and controls. **Conclusions:** The decreased adiponectin levels in PCOS women may form an important link between obesity and complications of PCOS. Hence evaluation of adiponectin levels in these women and measures to improve the levels by using drugs such as metformin and weight reduction might provide beneficial effects.

17. Association of triglycerides/high density lipoprotein cholesterol ratio with insulin resistance in polycystic ovary syndrome.

Sreenivasulu K, Kiranmayi VS, Rajendra Prasad N, Bitla AR, Sachan A.

Int J Res Med Sci 2018;6:4028-33.

Background: Insulin resistance (IR) is frequently observed in women with polycystic ovary syndrome (PCOS). Recent studies advocated that triglyceride to high-density lipoprotein cholesterol ratio (TG/HDL-C) can be used as a simple clinical indicator of IR. Hence, the present study was performed to investigate the use of TG/HDL-C and its association with IR in PCOS. **Methods:** Forty-one patients with PCOS and 40 healthy age matched women were randomly enrolled. Demographic and clinical characteristics were obtained. Insulin resistance was defined by the homeostasis model assessment for insulin resistance (HOMA-IR) and quantitative insulin sensitivity check index (QUICKI). **Results:** In PCOS group, the insulin, HOMA-IR and TG/HDL-C ratio were significantly higher ($p=0.001$) than controls while, QUICKI was lower ($p=0.001$). Insulin, HOMA-IR were positively correlated with TG/HDL-C ($r=0.303$, $p=0.006$ and $r=0.312$, $p=0.005$ respectively) while, QUICKI was negatively correlated ($r=-0.698$, $p=0.001$). In receiver operating characteristic (ROC) analysis, area under the curve (AUC) for model based on QUICKI levels was better 0.898 (95% CI: $0.811-0.955$, $p=0.001$) than HOMA-IR 0.636 (95% CI: $0.522-0.740$, $p=0.03$). A cut-off value 3.23 for TG/HDL-C is proposed from the model based on QUICKI with best combination of sensitivity 83.3% and specificity 86.7% .

Conclusions: Results of present study support that TG/HDL-C ratio may be a simple indicator of IR in PCOS patients which helps clinicians to identify IR in small centers, where the assays for insulin measurement are not available.

18. Serum adiponectin levels in patients with rheumatoid arthritis.

Veluri G, Vinapamula KS, Rao PV, Kommireddy S, Manohar SM, Pasupuleti P.

Indian J Rheumatol 2019;14:119-22.

Background and Objective: Rheumatoid arthritis (RA) is a chronic inflammatory polyarthritis of common occurrence. Adiponectin is an adipocytokine shown to exert anti-inflammatory as well as pro-inflammatory effects. Our objective was to study the serum adiponectin levels in RA and explore its association with RA disease activity.

Materials and Methods: Forty RA patients (newly diagnosed n = 20, RA in clinical remission n = 20) and thirty age-, gender-, and body mass index (BMI)-matched apparently healthy controls were included. Serum adiponectin levels were measured by enzyme-linked immunosorbent assay. RA clinical remission was defined by a Disease Activity Score 28 of <2.6. **Results:** Serum adiponectin levels were significantly lower in RA patients compared to controls. Both groups of RA patients had lower adiponectin levels than controls. There was no difference in adiponectin levels between the two groups of RA patients. There was no association of adiponectin with disease activity or BMI. **Conclusions:** Serum adiponectin concentration is decreased in RA patients and was not associated with disease activity.

19. Study of oxidant and anti-oxidant status in patients with chronic kidney disease.

Sridhar AV, Srinivasa Rao PV, Sivakumar V, Satish P, Shalini P, Suchitra MM, et al.

J Clin Sci Res 2018;7:124-30.

Background: Chronic kidney disease (CKD) is associated with oxidative stress (OS), which occurs even in early stages of CKD and was shown to further contribute to progression of renal dysfunction and increased cardiovascular risk in CKD patients. Majority of studies have evaluated OS in CKD patients using limited biomarkers. Present study aimed at comprehensive evaluation of oxidant and antioxidant status in CKD

patients. **Methods:** 120 patients diagnosed with CKD who were classified into three groups of 40 each [group-1 (CKD stage 1 and 2), group-2 (CKD stage 3 and 4) and group-3 (CKD stage 5)] based on eGFR and 30 healthy controls were recruited. Malondialdehyde (MDA), protein carbonyls (PC), ferric reducing ability of plasma (FRAP), protein thiols, superoxide dismutase (SOD), glutathione peroxidase (GPx) and catalase were measured in all subjects. FRAP was corrected for uric acid (FRAP-UA) and MDA/FRAP-UA ratio was calculated. Score for oxidative stress (SOS) was calculated using the oxidant antioxidant parameters studied. **Results:** MDA, PC, MDA/FRAP-UA, FRAP and SOS were higher whereas protein thiols, SOD, GPx and catalase were lower in CKD patients than controls. Further, MDA, PC and FRAP and SOS increased progressively and protein thiols, SOD and catalase decreased progressively with increasing renal dysfunction. MDA, PC, FRAP and SOS showed positive correlation with creatinine and negative correlation with eGFR, whereas protein thiols, SOD, and catalase showed positive association with eGFR and negative correlation with creatinine. **Conclusions:** CKD patients are prone for oxidant injury which increases progressively with worsening renal dysfunction and is associated with degree of renal impairment. Score for oxidative stress helps in comprehensive assessment of oxidative stress in CKD patients.

20. Evaluation of an automated method for the measurement of salivary creatinine.

Kiranmayi VS, Srinivasa Rao PL, Kumar VS.

J Clin Sci Res 2018;7:97-8.

Frequent measurement of serum creatinine is used for the monitoring of renal function in patients with chronic kidney disease (CKD) which requires repeated collection of blood samples which is associated with discomfort for patients. Moreover, patients with CKD undergoing dialysis are at an increased risk of hepatitis B and C,[1] thus posing potential health risk for healthcare professionals. This has resulted in search of the diagnostic role of other body fluids. Saliva, which includes secretions from major and minor salivary glands, consists of various components of serum including enzymes, proteins, hormones, antibodies and cytokines.[2] Since recent times, saliva is being considered as an alternate biological fluid of choice as it was found to reflect the changes occurring in serum.[3] The ease and non-invasiveness of collection as well as the minimal

handling required for its transportation and storage have resulted in considering saliva as a potential alternate diagnostic fluid for various clinical conditions including renal disease.[4] Although studies have demonstrated association between serum and salivary creatinine levels, the concentration of creatinine in saliva was found to be very low when compared to that in serum.[5] Measurement of serum creatinine is based on modified Jaffe's method which includes the formation of an orange-red-coloured creatinine picrate (Janovsky) complex as a result of the reaction between creatinine in serum and picric acid in alkaline medium, provided by sodium hydroxide. The reaction sequence of modified Jaffe's reaction is as follows:[6] Picrate + hydroxide \rightarrow Picrate-OH \rightarrow Picrate-OH + creatinine \rightarrow Picrate-creatinine (orange-red colour). The kinetics of the reaction follows first-order reaction.[6] Salivary creatinine level was found to be 10%–15% of that in blood.[7] The concentrations of picric acid and sodium hydroxide which were used to measure serum creatinine levels were unable to detect creatinine levels in saliva. Deep insight into the kinetics of Jaffe's reaction at various concentrations of picric acid and sodium hydroxide resulted in the observation that the specificity of the method can be improved by increasing picric acid concentration and by increasing the alkalinity of reaction, i.e. increasing the concentration of sodium hydroxide.[6] These modifications could help in detecting lower ranges of creatinine concentration. The application of this scientific knowledge to detect lower concentrations of creatinine observed in saliva was the focus of the present study. The present study intended to evaluate a modified Jaffe's rate reaction method by automation for the measurement of creatinine concentrations in saliva. Salivary creatinine was measured using modified Jaffe's rate reaction method[7] on Beckman Synchron CX5 autoanalyzer (Beckman Synchron, Illinois, USA). The assay was performed using a picric acid concentration of 12 $\mu\text{mol/L}$ and sodium hydroxide at 2.5 mol/L . When picric acid reacts with creatinine under alkaline environment of NaOH, it forms an orange T x122T red-coloured complex. The intensity of orange T x122T red colour was measured at 520 nm wavelength. Sample volume utilised for the present study was 25 μL . Calculation of creatinine concentration was done by endpoint rate reaction method using linear mathematical model. The method was calibrated using two-point calibration using calibrator solutions at concentrations of 6.54 $\mu\text{mol/L}$ (0.07 mg/dL) and 415 $\mu\text{mol/L}$ (4.69 mg/dL). The performance characteristics of the assay were

checked for linearity, intraassay precision, interassay precision and recovery. Intraassay precision was performed using twenty replicates for two different concentrations at medical decision levels. Interassay precision was performed for 7 days at two different medical decision levels concentrations run in triplicates. Recovery of the study was performed using an aqueous standard creatinine solution with a concentration of 176.8 $\mu\text{mol/L}$ (2.00 mg/dL) of creatinine added to saliva. The data were recorded and analysis was done using Microsoft Excel (Microsoft Corporation, Redmond, WA, USA). The assay showed linearity between 6.54 $\mu\text{mol/L}$ (0.07 mg/dL) and 418.5 $\mu\text{mol/L}$ (4.73 mg/dL). The intraassay variability was observed as coefficient of variation of 8% and 7% at mean creatinine concentrations of 12.5 $\mu\text{mol/L}$ (0.14 mg/dL) and 51.3 $\mu\text{mol/L}$ (0.58 mg/dL), respectively. The interassay variations performed at mean creatinine concentrations of 12.5 $\mu\text{mol/L}$ (0.14 mg/dL) and 51.3 $\mu\text{mol/L}$ (0.58 mg/dL) showed a coefficient of variation of 12% and 5%, respectively. Recovery using aqueous solutions of creatinine was found to be 96.7% and 90.46% at creatinine concentration of 12.5 $\mu\text{mol/L}$ (0.14 mg/dL) and 96.9% and 99.4% at creatinine concentration of 53.4 $\mu\text{mol/L}$ (0.60 mg/dL). Creatinine, which is the waste product of metabolism, is mainly excreted by kidneys. Studies have shown increased salivary creatinine levels in patients with CKD along with serum creatinine levels.[8] The increase in salivary creatinine levels is a result of an increase in the concentration gradient and diffusion of creatinine from serum into salivary fluid,[8] thus reflecting the changes occurring in the serum creatinine levels in patients with CKD. Several preliminary studies have evaluated the utility of saliva in various clinical conditions. In an attempt to further validate the diagnostic utility of saliva in CKD, the present study evaluated an automated method for the measurement of salivary creatinine in terms of linearity, imprecision and recovery. The method was found to be linear up to a creatinine concentration of 418.5 $\mu\text{mol/L}$ (4.73 mg/dL). Lloyd et al.[7] observed a linearity for salivary creatinine estimation between 6 and 1200 $\mu\text{mol/L}$. The intra and interassay coefficient of variations in the present study were found to be comparable to those obtained by Lloyd et al.,[7] although the concentrations used were different.[7] When aqueous solutions of creatinine at different concentrations were added and recovery study performed, the recovery obtained in the present study was above 90%, which was similar to that by Lloyd et al.[7] To conclude, the characteristics of the salivary creatinine assay of the

present study indicate that salivary creatinine estimation can be performed on autoanalyzer with slight modifications in the concentration of the reagents used for Jaffe's method. Thus, saliva with its distinct advantages associated with collection, transport, storage and processing provides an attractive alternate to blood sample for the diagnosis and monitoring of renal disease.

21. Discovery of common putative drug targets and vaccine candidates for *Mycobacterium tuberculosis*.

Ravina Madhulitha N, Chiranjeevi P, Sudheer Kumar K, Umamaheswari A.

J Drug Delivery Thera 2019;9: 67-71.

Mycobacterium tuberculosis is the bacteria that cause tuberculosis (TB), an infection that usually affects the lungs and can be fatal without proper treatment. Combating through available drugs became a difficult task due to drug resistance and lack of appropriate common targets against genetically diverse strains. Since to improve efficacy, the effective targets should be identified and critically assessed. In the study, we aim to predict the potential novel targets against *M. tuberculosis* strains by employing in silico approach. The complete proteomic datasets of 23 *M. tuberculosis* strains was comparatively processed by executing R-scripts and eventually predicted 3906 'conserved gene products'. Further, we performed subtractive proteomic approach in search of promising crucial targets. Consequently, eight enzymes and two membrane proteins were prioritized as new therapeutic and vaccine targets respectively which found to have more interactors in network with high-confidence score, druggability and antigenicity. Therefore, outcomes of the study emphasize the importance of new targets may counteract with false-positive/negatives and facilitate appropriate potential targets for a new insight of reliable therapeutic development.

22. Design of Novel Antimycobacterial Molecule Targeting Shikimate Pathway of *M. tuberculosis*.

Sivaranjani P, Umakanth NV, Ravina MN, Sudheer Kumar K, Chiranjeevi P, Sharon priya A, Umamaheswari A.

Indian J Pharm Sci 2019;81:438-47.

In *Mycobacterium tuberculosis*, shikimate pathway is essential for amino acid biosynthesis, siderophores formation to overcome starvation, to survive in low oxygen

conditions as well as for pathogen's virulence and growth. 3-Dehydroquinate synthase of *Mycobacterium tuberculosis* plays a vital role in the biosynthesis of aromatic amino acids and various secondary metabolites through shikimate pathway and is responsible for development of drug resistance. Thus, designing inhibitors towards this attractive drug target 3-dehydroquinate synthase to inhibit the synthesis of aromatic amino acids and essential secondary metabolites could prevent survival of this pathogen. In the present work, docking studies were performed using the 3-dehydroquinate synthase crystal structure against 1082 approved DrugBank compounds. The best DrugBank compound and substrate analogue (carbaphosphonate) were subjected to shape screening against 21 million compounds and resulted compounds constituted the AroB ligand-dataset. The library was subjected to rigid receptor docking, quantum polarized ligand docking, and induced fit docking followed by molecular mechanics-generalized born and surface area calculations resulted in two compounds possess the best scoring functions (XP GScore). Molecular dynamics simulations (50 ns) in the solvated model system determined consistency nature of AroB-lead 1 over the AroB-carbaphosphonate complex. Moreover, upon comparison of the proposed leads with the best DrugBank compound and carbaphosphonate, the leads showed favourable absorption, distribution, metabolism, excretion and toxicity properties within the range of 95 % FDA approved drugs, and showing better antagonist properties than the existing inhibitors. Hence these leads were proposed as novel inhibitors against tuberculosis.

23. In silico identification of leads targeting Interleukin-6 against pathogenesis of atherosclerosis.

Hema K, Sandeep S, Pradeep N and Umamaheswari A.

J Biomol Struct Dyn 2019;37(S1):32-3.

Atherosclerosis is one of the top, multi-factorial diseases majorly responsible for the cause of deaths that makes the life-threatening clinical events such as acute coronary syndromes and stroke. Alongside, the widespread emergence of bacterial resistance to existing antibiotics has emphasized the need to develop novel therapeutics to treat atherosclerosis with the identification of new targets and novel therapeutics (Hema, 2015). The common offending organisms include *Chlamydia pneumoniae*, *Poryphomonas gingivalis*, *Helicobacter pylori*,

Enterobacter hormaechei, *Prevotella nigrescens*, *Prevotella intermedia*, *Streptococcus sanguinis*, *Tannerella forsythia*, *Aggregatibacter actinomycetemcomitans* D11S-1, *Aggregatibacter actinomycetemcomitans* D7S-1 and *Escherichia coli* [Hema, 2015]. Over expression of human IL-6 drives the atherosclerosis disease progression hence, regarded as a prominent target in the present study to design novel antagonists (Fig. 1). Kalai et al., 2014 reported that inhibiting the binding affinity of human IL-6 and gp-130 effectively blocks the signaling pathway involved in atherosclerosis progression and also quoted that the residues Ile 29, Ile 32 and Leu 33 Arg 30, Arg 182 are majorly responsible for the binding of human IL-6 and gp-130 [Kalai, 1997]. The proposed lead 1 had good binding affinity, good docking scores and similar orientation with lead 1 were in well conformity with the binding orientation of gp-130 (Fig. 2). The additional five hydrogen bonds were formed with the binding site residues Tyr 31, Leu 33, Glu 110, Gln 111, Leu 178 and hydrogen bond with Lys 27 was observed in 98% of trajectories, Tyr 31 was observed in 96% and Arg 182 was observed with 79% trajectories strengthen the stability of lead 1 with human IL-6 with better binding affinity. The consistent energy, five water-mediated interactions, RMSD and RMSF of the complex was also within the limit (Fig. 3). Hence, the proposed lead can act as potential antagonists for inhibiting the human IL-6 in signaling pathway in the progression of atherosclerosis. The lead molecule would hold as a promising antagonist in drug discovery if synthesized and tested in animal models.

24. Scaffold hopping strategy on the route discerning novel Glutathione peroxidase agonists.

Pradeep N, Sudheer Kumar K, Umamaheswari A, Munikumar M., Sandeep S., Hema K., Praveen Kumar G and Mukesh Kumar G.

J Biomol Struct Dyn 2019; 37(S1):42-3.

Alzheimer's disease (AD), the utmost common and progressive neurodegenerative disease characterized by aggregation of β -amyloid plaques triggered by mitochondrial oxidative stress also. Raising substantial evidences evokes that diluted antioxidant activity correlates with overproduction of free radicals and peroxides. Which extends the alterations in membrane permeability damaging the mitochondrial respiratory chain, subsequently amplifying the neuronal dysfunction there by triggering neurodegeneration. Glutathione peroxidases (GPx1-2) is

abundant antioxidant enzyme that catalyze reduction of hydrogen peroxide to water. Increased free radicals and absurdity in potentiality to detoxify the reactive intermediates associated with diluted activity of GPx has made it as a possible attractive therapeutic target for AD intervention. Five existing agonists were subjected to geometry based virtual screening against in-house library having more than 21 million small molecules. The resulted 1273 hits were subjected to rigid receptor docking (RRD) and quantum polarized ligand docking (QPLD) succeeded with binding free energy ("G) calculations, resulted best ligands (2 for GPx1 and 1 for GPx2). The best ligands and existing agonists were subjected to scaffold hopping against fragment libraries resulted 644 compounds, which are subjected to multi-level multiple docking strategies to derive the best leads (12 for GPx1; 14 for GPx2) with favorable pharmacokinetic properties (fig.1). Further, GPx and the best lead complexes were subjected to 50ns MD simulations to analyze the stability (fig.2) as well as the intactness (fig.3) of the best leads towards the receptor. The proposed leads, obtained from scaffold hopping of existing agonists showed favorable binding orientation with increased binding affinity towards GPx, by enhancing the sulfhydryl groups availability to ROS and peroxide intermediates ensures the anti-oxidant activity. The intensifying GPx levels with the proposed leads enriches the anti-oxidant effect. Thus, the results emphasis that the proposed novel leads would be effective in treating oxidative stress mediated AD therapeutics.

25. Identification of potential inhibitors for AroG against Mycobacterium tuberculosis.

Ravina Madhulitha N., Sudheer Kumar K., Chiranjeevi P., SivaRanjani P and Umamaheswari A.

J Biomol Struct Dyn 2019; 37(S1): 29-30.

Infections by opportunistic bacteria have significant contributions to morbidity and mortality in humans. Tuberculosis has many manifestations affecting bone, central nervous system and many other organ systems. Tuberculosis is primarily a pulmonary disease that is initiated by the deposition of *Mycobacterium tuberculosis* (*M. tb*) contained in aerosol droplets onto lung alveolar surfaces. Developing potent inhibitors is an important strategy to tackle the pathogenicity of *M. tb* strains. Fourteen crystal structures of Phospho-2-dehydro-3-deoxyheptonate aldolase (AroG) are available in the protein data bank (PDB). AroG of *M. tb* possess 3 co-crystal

structures (2B7O, 3NV8 and 3PFP) with substrate (PEP) and inhibitor (O35) in the PDB. Among the two diverse co-crystal structures (3NV8 and 3PFP), the best resolution structure (3NV8) was considered for structure based drug design to propose antagonists through swiss similarity screening, dockings and molecular dynamics simulations. O35 and PEP of AroG were screened against swiss similarity search of thirtyone databases comprising 31,11,77,426 compounds obtained 2858 structural hits. The hits were processed through rigid receptor docking (RRD), quantum polarized ligand docking (QPLD) and binding free energies were calculated by Prime-MM/GBSA approach (Madhulitha *et al.*, 2017) with AroG. RRD followed by MM-GBSA calculations to the generated library of AroG resulted 29 compounds, upon comparison with crystal ligands 11 compounds were scored better. To define the leads, 11 compounds were subjected to QPLD and binding free energy calculations revealed 5-leads on comparison with PEP and O35, lead1 possess the least binding free energy and better binding affinity. Lead1 and PEP have QPLD XP Gscore of -8.490 kcal/mol and -6.487 kcal/mol, ÅGscore of -51.80 kcal/mol and -35.209 kcal/mol respectively. The stability of AroG-lead1 complex was better than AroG-PEP complex in natural physiological conditions using Desmond v5.3 for 100 ns molecular dynamics simulations (Katari *et al.*, 2016 and Pasala *et al.*, 2018) revealed the least potential energy (-179483.298 kcal/mol), protein backbone RMSD (3.1183 Å), protein backbone RMSF (1.1317 Å), lead1 RMSD (2.8421 Å), lead1 RMSF (0.9607 Å) with 15,031 protein-ligand contacts. The proposed lead1 possess favourable ADME/T properties and acts as the best AroG antagonist of *M. tb*.

26. Integration of binding potency estimations and stability assessments for therapeutic design against MurG of *H. pylori*.

Chiranjeevi P, Sudheer Kumar K, Ravina MN, Sharon Priya A, Umamaheswari A.

J Biomol Struct Dyn 2019;37(S1):34-5.

The adverse effects and widespread emergence of resistant *Helicobacter pylori* strains to the existing drugs is becoming a serious public health concern. As a result there is a real and pressing demand to develop new therapeutics; however, it remains one of the major challenges to science and unmet needs in the clinics. We have therefore selected UDP-N-acetylglucosamine—N-acetylmuramyl-(pentapeptide) pyrophosphoryl -

undecaprenol N-acetylglucosamine transferase (MurG), one of the promiscuous common targets for multiple *H. pylori* strains identified in our previous study (Pasala *et al.*, 2018). Cell wall-related MurG is of special interest, since, it is involved in peptidoglycan biosynthesis with the potential interaction between other proteins, unique to the bacteria, has no mammalian counterpart, and agents inhibiting its synthesis have the potential to become broad-spectrum therapeutics. In the study, the selected target was allowed to Modeller9v20 to generate 100 models with incorporating substrate Uridine-Diphosphate-N-Acetylglucosamine (UD1) using a template (PDB: 3S2U). After validations, the third model was deposited at Protein Model DataBase (PM0081627). The reviewed previous ligands of MurG were allowed to hierarchical-clustering. Subsequently, the obtained five diverse ligands from five clusters with clustering strain 1.261 and DU1 were subjected to SwissSimilarity web-tool to perform ligand-based virtual screening of several libraries of 4~3 billion small molecules. The retrieved 4177 similar contours were further assigned to lead-optimization campaign includes, rigid receptor docking (Glide parameters), quantum-polarized ligand docking (quantum mechanics) and induced-fit docking (80 replications with charge calculations) coupled with Molecular Mechanics/Generalized Born Surface Area methods to estimate relative binding affinity ("Gbind) of the previous, screened compounds and DU1. As a result, seven compounds were observed with better "Gbind free energies than top diverse ligand BMS-190134 (-63.12 kcal/mol) and DU1 (-49.33 kcal/mol). Moreover, interaction stability of DU1 and the best lead1 (-67.85 kcal/mol) with MurG was dynamically assessed for 50ns and 150ns chemical time respectively (Katari *et al.*, 2016, Pasala *et al.*, 2018b). Consequently, the consistency of lead1-MurG was found with lower deviations, fluctuations and fair compactness than DU1-MurG. The stable interactions with lead1 have been maintained throughout the simulations period and correlated with docking analysis thereby that contacts might be vital hotspots for catalytic activity of MurG. Therefore, as the proposed 7 leads fulfilling all the criteria from different aspects of drug design study, these could be promiscuous therapeutic agents against *H. pylori*.

27. Potent MMP-14 antagonist design through screening, docking and dynamics studies.

Sudheer Kumar K, Chiranjeevi P, Ravina MN, Umakanth Naik V, Umamaheswari A.

J Biomol Struct Dyn 2019;37(S1):40-2.

Matrix metalloproteinase-14 (MMP-14) or membrane type MMP-1 is an extra cellular matrix (ECM) protease activates progelatinase A (MMP-2) involved in proteolysis of collagen, gelatin, elastin, laminin, fibronectin and integrins for cancerous cell to invade and metastasise. About 2,756 inhibitors from CLRI-MMpi database were retrieved, optimized and minimized through LigPrep using OPLS3 forcefield. The ligands were passed through virtual screening workflow (VSW) protocol, where the ligands were refined and docked by high throughput virtual screening [HTVS-10%], standard precision [SP-10%] and extra precision [XP-100%] over the Grid of MMP-14 (5H0U) using grid based ligand docking with energetics (GLIDE) and binding free energy (ΔG) was estimated by Prime-MM/GBSA for 27 dock complexes (Chiranjeevi *et al.*, 2016). The best bound MMpi database inhibitors (MMpI1999248, MMpI2009210 and MMpI200383) were screened against SwissSimilarity databases comprising 4~

0.3 Billion compounds resulted 2756 structural analogues. 28 compounds were obtained from VSW, fourteen compounds were better scored (XP G and ΔG) than the best three MMpi. These were redocked by quantum polarized ligand docking (QPLD) and resulted 5 leads; the best lead (lead 1) possesses QPLD XP Gscore of -8.711 kcal/mol and ΔG score of -67.035 kcal/mol, but the best MMpi (MMpI1999248) possesses QPLD XP Gscore of -6.092 kcal/mol and ΔG score of -66.538 kcal/mol (Madhulitha *et al.*, 2017). The best lead and the best MMpi (MMpI1999248) MMP-14 complexes were simulated for 100 ns and the dynamics were assessed for stability by analyzing root-mean-square-deviation (RMSD), root-mean-square-fluctuation (RMSF), total energy (T.E.), potential energy (P.E.), protein-ligand contacts (hydrogen bond, pi-cation, hydrophobic, metal co-ordination and water bridges), radius of gyration and torsions (Katari *et al.*, 2016). Lead 1-MMP-14 complex showed T.E. and P.E. of -64,432.622 kcal/mol and -78,558.567 kcal/mol lesser than MMpI1999248-MMP-14 complex with -64,405.771 kcal/mol and -78,552.540 kcal/mol. Lead 1 with respective to protein and lead 1 with respective to lead 1: average RMSD was 2.16 Å and 0.68 Å, average RMSF was 0.99 Å and 0.38 Å lesser than the MMpI1999248 with respective to protein and with respective to itself: average RMSD was 5.50 Å and 2.75 Å and average RMSF of 2.26 Å and 1.85 Å were observed during 100 ns molecular dynamics (MD) simulations. The overall molecular contacts formed by MMP-14-lead 1 (9,745) are comparatively higher than MMP-14-MMpI1999248 (9,482) in 100 ns MD

simulations suggested that lead 1 could act as a potent antagonist by blocking the functional activity of MMP-14, MMP-2 activation, ECM degradation, cancer cell invasion as well as metastasis.

28. In silico probing exercises, bioactive-conformational and dynamic simulations strategies for designing and promoting selective therapeutics against *Helicobacter pylori* strains.

Chiranjeevi P, Sudheer Kumar K, Ravina MN, Aparna RB, Umamaheswari A.

J Molecular Graphics Modeling 2019; 92:167-79.

A myriad of drug-resistant strains of *Helicobacter pylori* and adverse drug-reactions create a big-barrier in the treatment, thereby demanding novel proof-of-concept inhibitors and breakthrough medicines. Hence, an affinity-centric protocol was devised to implement scaffold-design for 3-dehydroquinase dehydratase-II (AroQ) as a follow-up of our study against beaucoup strains. Herein, the study focuses on preferred the attractive-target methodically due to its salient features include conserving, essential and specific for *H. pylori*, not present in humans and gut-flora. Structural refinement, energy minimization and optimization of the developed best-model were employed with confirming active site residues around substrate. Published AroQ-inhibitors and substrate were utilized to probe an in-house library of molecules. The prepared dataset was allowed to lead-optimization campaign includes rigid receptor docking through high-throughput virtual, standard-precision, extra-precision screening filters, quantum-polarized-ligand (quantum mechanical and molecular mechanical (QM/MM)) and induced-fit docking experiments. Convergence threshold (0.05) and Truncated Newton Conjugate Gradient (TNCG) were set in Conf Gen's algorithm to produce high-quality bioactive conformations by thoroughly narrowing the conformational space accessible to the leads. ADME/Tox predictions and long range molecular dynamics simulations were executed after post-docking evaluations. The approach provided seven ranked compounds with better scoring functions, bioactive-conformers and pharmacokinetics profiles than published ligands and substrate. Simulations revealed more consistency of lead1 AroQ complex throughout chemical time than controls in the formulated physiological milieu. The study outcomes showing the good competitive binding propensity for active-tunnel over the substrate and previous ligands, thereby these leads could be ideal for proposing

as selective cutting-edge inhibitors to target AroQ specific for *H. pylori* strains.

29. Integration of core hopping, quantum-mechanics, molecular mechanics coupled binding-energy estimations and dynamic simulations for fragment-based novel therapeutic scaffolds against *Helicobacter pylori* strains.

Chiranjeevi P, Sudheer Kumar K, Ravina MN, Aparna RB, Umamaheswari A

Comput Biol Chem 2019;83:107126.

The cascade of complications by *Helicobacter pylori* including extra-gastric and peptic ulcers to gastric cancer imposes a salient cause of cancer death globally. Adverse drug reactions and burgeoned genetically diverse resistant strains create a big barrier in the treatment, thereby demanding novel proof-of-concept ligands and breakthrough medicines. Hence, as a follow-up of the previous proteomics study against 53 *H. pylori* strains, KdsB was identified as a vital conserved-target enzyme. Herein, the rational therapeutic-design strategies exploiting for such a hidden cryptic inhibitor were utilized in lead-optimization campaigns through shape screening, the powerful scaffold-hopping, rigid-receptor, quantum-polarized ligand and induced-fit docking techniques coupled with estimating molecular-mechanics energies (ΔG_{bind}) through generalized-Born and surface-area-continuum solvation. Variable-dielectric-Surface-Generalized Born, a novel energy model and physics-based corrections for bond-interactions and ADME/Tox predictions led to yield improved eight therapeutic chemical entities with positive synthesizability scores (0-1). Long-range molecular dynamics (300/ns) simulations revealed stability of leads. Significant computational findings with better competitive binding-strengths than experimental ligands could pave the best choice for selecting better leads as it warrants and filter false-positives based on the consensus of scaffolds interactions and suggesting that designed novel class of KdsB-antagonist molecules may dysfunction the target and stimulate new insights for developing effectual medical interventions.

30. An in silico approach towards identification of Novel Drug Targets in Pathogenic Species of *Leptospira*.

Reena G, Rashmi V, Pradhan D, Arun Kumar J, Umamaheswari A, Chandra Sekhar R.

PLOS one 2019;14:e0221446.

Leptospirosis is one of the leading zoonotic infections worldwide. As with other infectious diseases, report of antimicrobial resistance to existing therapeutic arsenal poses challenges in the management of disease. Hence, identification of novel drug targets for the pathogen deems essential. Present study used combined approach of comparative and subtractive genomics to identify putative drug targets. Crucial genes of 16 pathogenic *Leptospira* strains were filtered and subjected to homology search via target identification tool “TiD”. Thereafter, comparative analysis was performed for non-homologous, essential genes to accomplish the broad-spectrum drug target. Consequently, 37 essential genes were found to be conserved in at least 10 strains of *Leptospira*. Further, prioritization of resultant set of genes revealed 18 were hubs in protein-protein interaction network. Sixteen putative targets among the hub genes were conserved in all strains of *Leptospira*. Out of sixteen, fourteen were enzymes while 8 were novel and 4 were involved in virulence mechanism. In addition, genome scale metabolic network reconstruction and choke point analysis revealed cobA (porphyrin and chlorophyll metabolism) and thiL (thiamine metabolism) as chokepoints in their respective metabolic pathways. The proposed hub genes could act as putative broad-spectrum drug targets for *Leptospira* species, however, these putative targets should be validated to ensure them as real one prior to utilizing them for target based lead discovery.

31. Pathophysiology of MMPs in breast cancer progression.

Sudheer Kumar K, Chiranjeevi P, Ravina MN, Umakanth Naik V, Sharon Priya A, Siva Ranjani P, Aparna RB, Umamaheswari A.

J Clin Sci Res 2019;8:145-50.

Matrix metalloproteinases (MMPs) are secretory or membrane type proteolytic enzymes that act on extracellular matrix protein components such as collagens, gelatins, elastins, laminins, fibronectins, and integrins. MMPs are synthesized as zymogens and are activated to functional forms on autoproteolysis or by other proteases. Naturally, the activity of MMPs was regulated by specific tissue inhibitors of metalloproteinases and transcriptionally regulated by miRNAs. MMPs have an important role in tissue remodeling by regulating cell death, morphogenesis,

and wound healing activity. Overexpression of MMPs leads to various pathologies predominantly cancer, cardiovascular, and neurological diseases. Impact of MMPs on breast cancer progressions such as proliferation, angiogenesis, invasion, and metastasis are focused in this review.

32. The journey of Physician Assistant's in India: specialty areas to primary care.

Dharaniprasad G, Srikanth L, Ballweg R, Sarma PVGK, Indrakumar S, Samantaray A.

Physician Assist Educ 2019;30:184-7.

In 1992 the first Physician Assistant (PA) programme was introduced in India with a focus on expanding cardiovascular surgery. Since then, number of PA graduate and postgraduate diplomas have earned in institutions throughout India. In spite of the continuing demand for Physicians and Surgeons, the role of the PA has been found to enrich the treatment procedures in all specialties. Since PA are trained as broad-spectrum clinical professionals, mostly they work in specialized roles at hospitals such as Surgery, Medicine, Gynecology, Pediatrics and other departments. Life science graduates and other health care professional degree holders in India are very much interested to choose PA profession due to the looming issue in India of service delivery in the field of medicine. Therefore existing PA programs which offer proper valid qualifications are equipped to promote advancements in throughout all specialties. Globally many developing countries have been pondering for the need of mid-level health care professionals to increase the access of primary health care to reduce the mortality rates in rural areas however this role does not currently exist in India. The present report will explain the journey of PA in India and to create knowledge among employers, and policy leaders-as well as future aspirants by allowing them to understand the duties, scope, and benefits of the PA role. This paper is not written strictly for future PAs but also for employers and policy makers who should want to employ and fully utilize PAs.

33. Novel Arg128Ala variant in Catechol-O-methyltransferase gene influence persistent pain.

Dharaniprasad G, Srikanth L, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK.

Clin Genetics 2019;97.

Catechol-O-methyltransferase (COMT) is ubiquitously expressed enzyme that regulates catecholamines bioavailability, playing a key role in maintaining basic physiological functions such as sympathetic tone, mood, inflammation that influence pain and also in nervous systems which mediates pain perception. There are two major forms of the COMT enzyme that differ by 50 amino acids at the N-terminus, namely membrane bound COMT and soluble COMT. The COMT gene locus is rich with single nucleotide polymorphisms (SNPs), leading to several alleles of which associated with chronic pain and pain-related phenotypes. There are some evidences of COMT gene polymorphisms, which affect COMT enzyme activity, and may adversely affects patient's ability to cope with pain. Especially COMT mutated allele G472A (Val158Met) associated with chronic post-surgical pain (CPSP) patients is reported in different ethnic population resulting in a less thermo stable enzyme with reduced activity. In this report we presenting the novel mutations p.(Arg128Ala) and the incidence of other genetic variations in exon 4 of COMT causing CPSP in sternotomy patients. In these patients the exon 4 of COMT gene was polymerase chain reaction amplified and sequenced, sequence analysis revealed the presence of different variations of COMT alleles in 25% (25/100) of CPSP patients having numeric rating scale (NRS) >4 pain score. Twenty of these patients had already reported Val158Met COMT allele, while, in 5% of patients showed novel mutations c.382C>G, c.383G>C; p.(Arg128Ala). There are six SNPs reported so far with high polymorphism frequency rs2097903, rs6269, rs4633, rs165599, rs4818 and rs4680. The SNP rs4680 is non-synonymous and codes for a substitution of valine (Val) to methionine (Met) at codon158 (Val158Met).⁴ Hence we evaluated the influence of COMT exon 4 mutations in post-operative cardiac patients. Corroborating to our study out of 100 patients 25 patients had "pain complaint" in which 20 patients have Val158Met (G472A). In contrast to this five patients with "pain complaint" have not shown Val158Met (G472A). However set of Novel mutations have been observed in these five patients assumed to be the cause of pain (GenBank accession numbers: MK509812, MK509813, MK509814, MK509815 and MK509816). To our prospect out of five patients with "pain complaint" without Val158Met (G472A) variation, all of them, that is, 100% had c.382C>G, c.383G>C mutations resulted in p.(Arg128Ala) were observed. 60% (3/5 patients) were having c.373C>G and c.408C>G resulted in p.(Arg125Gly) and p.(Leu136Leu) Silent mutation. 40% (2/5 patients) were

having c.372G>C; p.(Val124Val) and 20% (among in any 1/5 patients) have c.349G>A, c.351C>A, c.359G>C, c.370G>A, c.379G>C resulted in p.(Ala117Thr), p.(Ala117Ala) Silent mutation, p.(Gly120Ala), p.(Val124Met), p.(Ala127Pro). These results indicated genetic variations having novel and silent mutations of COMT gene associated with CPSP. Interestingly the patient 39 and 72 had similar mutations hence the results for both the patients were found to be same. Further we noticed that all these patients have silent mutations in which the change in nucleotide sequence does not alter amino acid codes, this condition may persuade in developing missense/nonsense mutations in future generations. This is the first study wherein we observed the impact of the COMT exon 4 novel mutations in patients showing CPSP even after 3 months with NRS scores $e^{*}4.2$.

34. Identified cancer stem cells (CSCs) in ex- vivo cultured Acute Lymphoid Leukemia (B-ALL) cells.

Samundeshwari EL, Srikanth L, Sireesha K, Surekha K, Chandrasekhar C, Rao MH, Vengamma B, Sarma PVGK.

J Stem cells 2019;14:55-63.

Cancer stem cells (CSCs) are a subpopulation of cancer cells that play a pivotal role in tumor development and recurrence. These cells exhibit self-renewal ability and survive in hypoxic environments. In the present study CSCs were identified as subset population on evaluation of B-ALL (acute lymphoid leukemia). Sudan-Black staining of B-ALL cells showed that they have an abnormal nucleus and less cytoplasm. Real-time PCR analysis revealed prominent c-Myc gene expression. Flow cytometry analysis revealed high B-cell marker expression, 94.6% were positive for CD19 and 91.1% for CD10. Showed that analysis with Haematopoietic stem cell (HSC) marker 98.2% of cells expressed CD34, 65.6% CD45 and 73.9% CD117 indicating presence of a stem cell population in B-ALL. This cell fraction were cultured separately and had subtle presence of active Lactate dehydrogenase (LDH) and 5' - Nucleotidase and high expression of HIF1 α confirms the cells to be CSC. Our results concluded that these CSCs when cultured in hypoxic environment, use anaerobic glycolysis for energy generation and remains in quiescence state which suggest that the recurrence of B-ALL could be due to these CSCs.

35. Down-regulation of SOX17, GATA4 and FoxA2 promotes differentiation potential of hepatocytes from human hematopoietic stem cells.

Kumar PS, Chandrasekhar C, Srikanth L, Sarma PVGK.

Tissue Cell 2020;62:101312.

The failure of regeneration of damaged liver in various end – stage liver diseases results in high morbidity and mortality. In this context, we have demonstrated the differentiation ability of human hematopoietic stem cells (HSCs) into hepatocytes. In this study, HSCs were isolated from a donor and cultured which exhibited the presence of CD 34 and CD133 and absence of CD90 and CD 73 markers. These CD34+ HSCs were induced for 21 days in hepatocytes differentiation medium (HDM). The obtained cells were characterized by immunocytochemical, immunofluorescence, western blot, qRT-PCR and flowcytometry analysis. Further, functional assays were done to accentuate the differentiated cells are hepatocytes. In HDM at day 6 differentiated cells showed the expression of definitive endodermal (DE) markers, SOX17, GATA4, and FoxA2 indicating the beginning of differentiation process. At day 21 the flow cytometry analysis showed 84.2% positive to ALB-PE, 75.4% positive to HNF4 α -PE, and 77.3% positive to AFP-PE. Further, the qRT-PCR and western blot analysis presented prominent expression of hepatocytes in HDM. The ability of albumin secretion, urea production, glycogen storage, uptake of LDL, high ALDH enzyme activity describes the functionality of differentiated hepatocytes. Distinct expression of UGT1A1, CYP2B6, CYP2C9, CYP3A4, and CYP7A1 genes explains the ability to clear toxins and bilirubin as observed in normal hepatocytes. All these results indicate HSCs were differentiated into hepatocytes thus, autologous transplantation of HSCs could be a better option in the regeneration of the damaged liver.

36. Effect of percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracking echocardiography in rheumatic severe mitral stenosis.

Sumanth P, Rajasekhar D, Vanajakshamma V, Kiran K, Nagaraja C.

IOSR-JDMS 2019;18:4-14.

Background: The effect of percutaneous balloon mitral valvuloplasty (PBMV) on left ventricular function in patients with rheumatic severe mitral stenosis (MS) has been controversial for decades. Our aim is to study the effect of PBMV on left ventricular (LV) performance by strain imaging. **Methods:** In this prospective study, we included 74 patients with rheumatic severe MS requiring PBMV. The echocardiographic parameters studied were left ventricular ejection fraction (LVEF), mitral annular systolic velocity (MASV), mitral annular early diastolic velocity (E'), mitral annular plane systolic excursion (MAPSE) and myocardial performance index (MPI). Strain parameters were studied by speckle tracking echocardiography. Six minute walk distance (6MWD) was measured. **Results:** Out of the 74 patients, 48 were females, showing a female predominance. The mean age of the study population was 33.7 ± 8.4 years. On comparing LV parameters before PBMV and at 48 hours after PBMV, MASV (cm/s) and E' showed a significant increase at 48 hours after PBMV. No significant change was observed in MAPSE, MPI and LVEF by either Teicholz method or Simpson method. The global circumferential strain (GCS) (-21.1 ± 2.8 vs -26.2 ± 3.6 ; $p=0.02$) and global circumferential strain rate (GCSR) (-1.1 ± 0.2 vs -1.3 ± 0.2 ; $p<0.01$) showed significant improvement at 48 hours after PBMV. The global longitudinal strain (GLS) (%) (-17.8 ± 3.2 vs -18.9 ± 3.5 ; $p=0.18$), global longitudinal strain rate (GLSR) (1/s) (-1.3 ± 0.1 vs -1.3 ± 0.2 ; $p=0.21$), global radial strain (GRS) (40.1 ± 8.5 vs 41.5 ± 7.2 ; $p=0.32$) and global radial strain rate (GRSR) (1.9 ± 0.2 vs 1.9 ± 0.3 ; $p=0.26$) showed no significant change at 48 hours after PBMV. However, GLS (-17.8 ± 3.2 vs -21.2 ± 5.6 ; $p=0.03$) and GLSR (-1.3 ± 0.1 vs -1.5 ± 0.2 ; $p=0.04$) showed a significant improvement at 2 weeks after PBMV compared to the values before PBMV. 6MWD (m) increased significantly at 48 hours after PBMV compared to pre-PBMV values (335.3 ± 40.3 vs 394.3 ± 52.2 ; $p<0.01$). It also showed a significant improvement at 2 weeks after PBMV compared to values at 48 hours after PBMV (335.39 ± 40.31 vs 434.3 ± 58.6 ; $p<0.01$). On Pearson correlation, GLS and GCS showed a significant linear correlation with mitral valve area (MVA) before PBMV. On correlating the changes in the various parameters before PBMV and at 48 hours after PBMV, "GLS showed a significant linear correlation with "MVA and "6MWD. "GCS also showed a significant linear Correlation with "MVA and "6MWD. "GRS did not show a significant

correlation with either "MVA or "6MWD. **Conclusions:** GLS and GCS may be more sensitive than LVEF to detect changes in the LV performance after PBMV. Patients with higher improvement in GLS and GCS after PBMV had a higher increase in 6MWD suggesting that improvement in the strain parameters after PBMV actually translated in to an improvement in the functional exercise capacity of these patients.

37. A Comparative Study of Clinical Profile and Outcomes of Patients with Ischemic and Non-Ischemic Complete Heart Block.

Vinod Kumar N, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K.

Int J Sci Res 2019; 8:55-9.

Background: Complete heart block (CHB) is a medical emergency and usually requires immediate intervention. Both cardiac ischemia and non-ischemic conditions can cause CHB. The aim of this study is to compare baseline clinical characteristics associated with ischemic versus non-ischemic causes of CHB and their outcomes. **Materials and Methods:** This is a single center retrospective, observational study. Consecutive 250 patients with CHB from January to December 2016 were included. Patients were characterized into non-ischemic and ischemic groups based on cardiac marker elevation, ECG changes and/or cardiac catheterization findings. The primary outcome was all-cause mortality and secondary outcome was pacemaker placement. Results: Out of 250 patients, 137 had ischemic and 113 had non-ischemic CHB. The mean age was 60.5 yrs in ischemic group and 61.32 yrs in the non-ischemic group ($p=0.58$). Patients with ischemic CHB had a lower mean ejection fraction (EF) [44.2% vs 55.2% , ($p<0.01$)]. In the ischemic group, 55 patients (40%) presented with cardiogenic shock compared to 6 (0.07%) in the non-ischemic group ($p<0.001$). Statistically significant difference was present between ischemic and non-ischemic groups in diabetes mellitus (DM) (56.9% vs 45% , $p=0.006$), dyslipidemia (13.1% vs 0.5% , $p=0.001$) and smoking (31.3% vs 14.1% , $p<0.001$). In the ischemic group, 112 patients had inferior wall myocardial infarction (IWMI) (81.7%) and 21 had anterior wall myocardial infarction (AWMI) (15.3%). Right coronary artery (RCA) was the most common culprit vessel (73%). Seventy patients underwent percutaneous coronary intervention (PCI) and 10 were referred for coronary artery bypass grafting (CABG). For outcomes, 8 out of 113 (0.07%)

patients with non-ischemic CHB died compared to 33 out of 137 (24.1%) ischemic CHB ($p < 0.001$). Permanent pacemaker was implanted in 76 out of 113 patients (67.2%) in the non-ischemic group compared to 14 out of 137 (10.2%) in the ischemic group ($p < 0.001$). **Conclusion:** Patients with ischemic CHB have a lower EF with higher mortality. Risk factors like diabetes mellitus (DM), dyslipidemia and smoking are more frequent in the ischemic group and they are less likely to get a permanent pacemaker compared to non-ischemic CHB.

38. Is CHA2DS2-VASc Score Useful in Predicting Atherosclerosis Burden?.

Kondapaka Kiran K, Rajasekhar D, Vanajakshamma V, Sumanth Reddy P.

IOSR-JDMS 2019;18:59-63.

Background: Cardiovascular diseases are the major cause of death world wide. To reduce the mortality a method to detect and assess the severity of disease early is essential. CHA2DS2-VASc score used to guide antithrombotic therapy in patients with atrial fibrillation, has as its components risk factors similar to those of coronary artery disease. Aim of this study to investigate usefulness of CHA2DS2-VASc score in predicting atherosclerosis burden. **Methods:** This prospective, observational study included 376 consecutive patients with coronary artery disease, who underwent coronary angiogram. This study used SYNTAX (Synergy between percutaneous coronary intervention with Taxus and cardiac surgery) score and carotid intima-media thickness (CMT) as markers of atherosclerosis. Analysis of variance and Pearson correlation was done between CHA2DS2-VASc score, SYNTAX score and carotid intima-media thickness. **Results:** Among 376 patients 71% were males, mean age was 55.8 ± 10.3 years. While, 63% were hypertensive, 28% were diabetic, 38% were smokers and 11% had past history of cerebrovascular accident. SYNTAX score and CMT were significantly high in patients with high CHA2DS2-VASc score ($p < 0.001$). Pearson correlation showed that CHA2DS2-VASc score positively correlated with SYNTAX score ($r = 0.707$, $p < 0.0001$, $n = 376$) and CMT ($r = 0.639$, $p < 0.0001$, $n = 376$). **Conclusion:** CHA2DS2-VASc score is useful in predicting atherosclerosis burden in patients with coronary artery disease. Our study is the only study in the literature compared CHA2DS2-VASc score and CMT.

39. Correlation of Clinical Risk Scores with Angiographic Extent of Coronary Artery Disease in Patients with Non ST-Elevation Myocardial Infarction/Unstable Angina and Their Effects on 6 Month Outcomes.

Vinod Kumar N, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K, Suresh T.

IOSR-JDMS;18:55-9.

Background: Patients with non ST elevation acute myocardial infarction (NSTEMI) and unstable angina (UA) have a wide variation in their disease severity. Thus, risk stratification is essential for adequate clinical decision-making. The accuracy of the GRACE, TIMI and PURSUIT scores in predicting coronary disease with NSTEMI/UA has not been established. **Aim:** The aim of the study was to correlate clinical risk scores with angiographic extent of coronary artery disease (CAD) in patients with NSTEMI and UA and their six month outcomes. **Methodology:** It is a single centre, prospective study conducted in a tertiary health care centre at Tirupati, India between June 2016 to May 2017. Four hundred patients with UA and NSTEMI were evaluated for presence of 6 clinical predictors and 3 risk scores were calculated. Major adverse cardiovascular events (MACE) at six month follow up were studied and correlated with clinical predictors and risk scores. **Results:** Mean TIMI score was 3.04 ± 0.97 , mean PURSUIT score was 10.23 ± 1.72 and mean GRACE score was 105.37 ± 25.78 . Mean Syntax score (SS) was 14.08 ± 10.13 . Pearson correlation analysis showed a moderate positive correlation of TIMI risk score with SS ($r: 0.326$; $p < 0.01$), whereas PURSUIT ($r: 0.212$; $p < 0.01$) and GRACE ($r: 0.223$; $p < 0.01$) risk scores showed weak positive correlation. Significant association between SS and biomarker elevation ($p = 0.001$), congestive heart failure ($p = 0.02$) and e^{-2} anginal episodes within 24 hrs ($p = 0.002$) was found. There was no significant correlation between SS with MACE events ($p = \text{NS}$). The results showed statistically significant correlation between GRACE score and MACE ($p = 0.04$). Out of the 6 clinical predictors only CHF (congestive heart failure) showed statistically significant correlation with MACE. **Conclusion:** Patients with higher scores in TIMI, GRACE and PURSUIT scoring systems had significantly greater angiographic disease, when compared to those with low scores. Presence of CHF, > 2 anginal episodes within 24 hrs and presence of elevated biomarker are stronger

predictors of extent of coronary artery disease. TIMI score had more correlation with SS. Presence of CHF and higher GRACE risk score carries a significant correlation with MACE at 6 month follow up.

40. Risk profiles and one-year outcomes of patients with newly diagnosed atrial fibrillation in India: Insights from the GARFIELD-AF-Registry.

Fabien DORMAL, Jitendra Ps Sawhney, Veerappa A Kothiwale, Vikas Bisne, Rajasekhara Durgaprasad, Praveen Jadhav, Manoj Chopda, Velam Vanajakshamma, Ramdhan Meena, Govindan Vijayaraghavan, Kamaldeep Chawla, Jagan Allu, Karen S Pieper, A John Camm, Ajay K Kakkar, Olivier Xhaet, GARFIELD-AF Investigators.

Indian Heart J 2018;70:828-35.

Background: The Global Anticoagulant Registry in the FIELD-Atrial Fibrillation (GARFIELD-AF) is an ongoing prospective noninterventional registry, which is providing important information on the baseline characteristics, treatment patterns, and 1-year outcomes in patients with newly diagnosed non-valvular atrial fibrillation (NVAf). This report describes data from Indian patients recruited in this registry. **Methods and results:** A total of 52,014 patients with newly diagnosed AF were enrolled globally; of these, 1388 patients were recruited from 26 sites within India (2012-2016). In India, the mean age was 65.8 years at diagnosis of NVAf. Hypertension was the most prevalent risk factor for AF, present in 68.5% of patients from India and in 76.3% of patients globally ($P < 0.001$). Diabetes and coronary artery disease (CAD) were prevalent in 36.2% and 28.1% of patients as compared with global prevalence of 22.2% and 21.6%, respectively ($P < 0.001$ for both). Antiplatelet therapy was the most common antithrombotic treatment in India. With increasing stroke risk, however, patients were more likely to receive oral anticoagulant therapy [mainly vitamin K antagonist (VKA)], but average international normalized ratio (INR) was lower among Indian patients [median INR value 1.6 (interquartile range {IQR}: 1.3-2.3) versus 2.3 (IQR 1.8-2.8) ($P < 0.001$)]. Compared with other countries, patients from India had markedly higher rates of all-cause mortality [7.68 per 100 person-years (95% confidence interval 6.32-9.35) vs 4.34 (4.16-4.53), $P < 0.0001$], while rates of stroke/systemic embolism and major bleeding were lower after 1 year of follow-up. **Conclusion:** Compared to previously published registries from India, the GARFIELD-AF registry describes clinical profiles and outcomes in Indian

patients with AF of a different etiology. The registry data show that compared to the rest of the world, Indian AF patients are younger in age and have more diabetes and CAD. Patients with a higher stroke risk are more likely to receive anticoagulation therapy with VKA but are underdosed compared with the global average in the GARFIELD-AF. Clinical trial registration-URL: <http://www.clinicaltrials.gov>. Unique identifier: [NCT01090362](https://clinicaltrials.gov/ct2/show/study/NCT01090362).

41. Statins in Females.

Vanajakshamma V, Latheef K, Narendra Ch

Ind J Car Dis Wom 2019;4:99-106.

Statins have turned out to be widely recommended in the prevention of cardiovascular diseases (CVD) owing to their favourable effect on lipid metabolism and patient survival. Statin treatment is usually all around endured and effective in the prevention and treatment of CVD, irrespective of cholesterol levels. However, studies on statin therapy have reported various adverse effects such as myalgia, myopathy, rhabdomyolysis, and diabetes mellitus. Primary and secondary prevention studies of CVD have been grossly underpowered regarding enrolment of women, limiting the ability to stratify results by sex. In high-risk women, statins reduce coronary events and stroke. For primary prevention, the benefits and risks of statin therapy remain less well defined in women. CVD prevention includes lifestyle modification for all women and medical treatment for those with prevailing CVD risk factors or known disease. It has been proved that statins reduce the rates of cardiovascular events and mortality. Randomized clinical trials suggest that statins are safe in most patients with the previous stroke and reduces the occurrence of coronary adverse events and stroke by ~20%. In populations at high baseline risk of CVD, cardiovascular benefits of statin therapy outweigh the potential risk of increased serum glucose levels.

42. Sildenafil citrate improves the hemodynamics in patients with Primary pulmonary hypertension – single center experience.

Vanajakshamma V, Vyshnavi K, Latheef K, Sai Sateesh O, Seshagiri Rao D.

Indian J Cardiol 2019.

Background: Primary pulmonary hypertension (PPH) is a progressive disease with poor prognosis for which limited

treatment options are available. This study aimed to investigate the effect of sildenafil citrate, an orally active phosphodiesterase-5 inhibitor on clinical profile and hemodynamics of patients with PPH. **Material and Methods:** This is a prospective, randomized, controlled trial comparing the effect of oral sildenafil (group-I) added to conventional therapy with that of conventional therapy (group-II) alone (nifedepine, digoxin, diuretic and warfarin sodium) over a one-year period in 35 patients with PPH. Twenty-two patients were randomly assigned to receive sildenafil citrate and 13 patients received conventional therapy. Hemodynamic measurements include transthoracic echocardiography and six-minute walk test were used to monitor changes with therapy. **Results:** On mean follow up of 8.0 ± 1.4 months (range 1-12 months) NYHA functional class and exercise capacity was improved significantly in group-I. Six-minute walk distance increased from 310.9 ± 24.0 meters to 450.8 ± 34.0 meters in group-I and decreased from 316.8 ± 19.4 meters to 290.9 ± 11.6 meters in group-II ($p < 0.001$). Hemodynamics started improving at 4-weeks and sustained improvement was noted during follow-up in group-I whereas no significant improvement was seen in group-II. Pulmonary artery systolic pressure (PASP) declined from 86.0 ± 16.2 mmHg to 59.3 ± 12.0 mmHg in group-I and from 86.7 ± 15.0 mmHg to 81.9 ± 15.2 mmHg in group-II ($p < 0.001$). Pulmonary artery mean pressure (PAMP) declined from 49.7 ± 9.4 mmHg to 34.5 ± 5.6 mmHg in group-I and from 53.7 ± 9.0 mmHg to 51.5 ± 8.7 mmHg in group-II ($p < 0.001$). Pulmonary artery size reduced from 30.0 ± 4.0 mm to 23.7 ± 4.0 mm in group-I whereas it increased from 30.7 ± 4.6 mm to 31.1 ± 4.9 mm in group-II ($p < 0.001$). **Conclusions:** Sildenafil citrate is a useful adjunctive drug to conventional therapy in improving hemodynamics in patients with PPH. Further studies are needed to know the dose, duration of therapy and survival benefit.

43. Clinical presentation and outcome in patients presenting with acute coronary syndrome – A prospective study.

Battula S, Satyanarayana V, Rajasekhar D, Reddy AK, Satri V.

J Clin Sci Res 2019;8:67-73.

Background: Acute chest pain is one of the most common reasons for seeking care in the emergency department. Acute coronary syndrome (ACS) is a spectrum of diseases comprising unstable angina (UA), non-ST-segment

elevation myocardial infarction (NSTEMI) and ST-segment elevation myocardial infarction (STEMI). The present study was undertaken to study the clinical presentation and outcomes of patients with ACS. **Methods:** In this prospective observational study conducted in a tertiary care teaching hospital in Tirupati, during the period February 2015 to June 2016, demographic, clinical profile, treatment modalities and outcome in patients with ACS were studied. **Results:** A total of 1034 patients with ACS presented to the emergency room, during the study period. Mean age of the study population was 56.7 ± 11.7 years. STEMI accounted for 67% of the cases. Three hundred and forty one patients (33%) presented with NSTEMI ($n = 256$) and UA ($n = 85$). In 823 patients with ACS (79.6%), percutaneous coronary intervention (PCI) with stenting was done, and among those, primary PCI was done in 196 cases. Mean duration of stay in the hospital was 4.86 ± 1.5 days. Thirty-seven cases (3.9%) expired during the follow-up period. Reinfarction in minority cases (0.8%). **Conclusions:** In the present study, ACS is more common in the younger age group with male predominance. Majority of the patients presented with Killip Class I. Most of the patients underwent PCI.

44. Association of G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post sternotomy pain.

Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK.

Gen Thorac Cardiovasc Surg 2019;67:806-10.

Chronic persistent surgical pain (CPSP) is a complex disease with strong genetic component. The studies on revealed association of mutations in membrane bound catechol-O-methyltransferase gene with CPSP were reported indifferent ethnic populations across the globe. We identify that one out of four patients who underwent sternotomy procedure showed CPSP even after 3 months of surgery. The Mb.COMT gene sequence analysis revealed of the four patients, three patients had no mutation in Mb.COMT gene, while in one patient exhibited G472A mutation. Interestingly, this patient showed CPSP even after 90 days of surgery. The magnitude of the CPSP was evaluated with pain questionnaires' at the end of 3 months after discharge from the hospital. In this study 25% (1/4) showed presence G472A allele correlating with CPSP. Further the study suggested that evaluation of G472A allele of Mb.COMT gene in the patients undergoing sternotomy for monitoring pain in pre and post-surgical events.

45. Quality of life among elderly population in an Urban slum of Tirupati city.

Visweswarara Rao G, Prathyusha TVD, Nagaraj K, Kavyasree N, Kavitha C, Kavitha M.

Int J Com Med Public Health 2019;6:1-5.

Background: Healthy aging is a process of developing and maintaining the functional ability that enables well-being in older age. Objective of the present study is to assess the quality of life among elderly population using WHOQOL-BREF scale and to determine the association between socio demographic factors and quality of life.

Methods: Community based cross- sectional study was conducted in the urban field practice areas of SVIMS-Sri Padmavathi Medical College for women, Tirupati for a period of one month (February 2019 to March 2019). Study population were Elderly of age 60 years and above. Total 60 elderly were included in the study. Quality of life was assessed using WHOQOL-BREF questionnaire. **Results:** Most of the study population was in the age group of 60-64 years, Most of them were females (71.7%). More than one third were illiterates (36.7%), 30% were studied up to primary school. 93.3% of study population were suffered from some form of illness. Mean total transformed score was high among ≥ 70 years compared to < 70 years, Males were showing high mean total transformed score compared to females, literates were showing high score and persons with illness were showing high scores and persons without illness. **Conclusions:** It is concluded from this study that most of the elderly population are suffered from some form of illness. Overall quality of life is good among elderly within 70 years of age, males, literates and who are in living as married compared to their counter parts.

46. Nutritional counseling increases nutritional level in children aged 6-24 months in Udupi District – A cluster randomized controlled trial.

Divakar S N, Nagaraj K, Deepthi N, Veena G, Kamath, Asha K.

Indian J Applied Res 2019; 9(7):12-5.

Objective: To promote the nutritional level of children aged 6 to 24 months through counseling on improved dietary quality and quantity. **Methods:** A community based cluster randomized controlled trial conducted in Udupi taluk. All the children aged 6 months were registered and followed until they completed 24 months of age. **Results:** Baseline characteristics of the subjects found to be similar in both the groups. The baseline knowledge assessed in both groups

was very much similar. Mean measured weight increased significantly in the intervention group (0.794 kg, $p < 0.002$) at 24 months of age. Timely introduction of CF (68.6% vs 9.1% - < 0.001), mean age of introducing CF (5.2 ± 1.1 vs 3.9 ± 1.2 - < 0.001) months, introducing family diet at 12 to 15 months (68.6% vs 23.5% - < 0.001). Cereals, pulses, milk and milk products, oil and fat, vegetables and total food consumption was significantly higher in intervention group. The energy and protein intake from complementary foods was significantly higher in intervention group ($p < 0.01$) at different follow up time points (12 months, 18 months and 24 months). **Conclusion:** The study findings clearly shows promotion of child growth and complementary feeding practices in developing countries through nutritional counseling will improve the nutritional status of children less than 2 years of age.

47. A Longitudinal Study on Adherence to Anti Retroviral Therapy and Its Determinants in Telangana State.

Misha G, Varun M M, Nagaraj K.

Nat J Com Med 2019;10:50-4.

Introduction: India is among the list of countries with highest HIV prevalence. Adequate viral suppression requires strict adherence to antiretroviral therapy (ART). This research was conducted to study the clinico-demographic profile of study population and to study the barriers to treatment adherence. **Methodology:** This is an observational follow up (longitudinal) study done on 142 patients which included all newly diagnosed, sero positive, adult patients, enrolled at an ART centre and started on treatment during the months of December 2012, January 2013, February 2013, using a pre designed, pre tested questionnaire. They were visited again after a year and adherence was calculated and determinants of adherence were studied. **Results:** After one year 129 patients remained, of which 49.61% patients had good adherence and 50.39% patients had poor adherence. Risk factors associated with poor adherence were male sex, urban residence, lower socio economic status, illiteracy, un-skilled occupation, spouse negative for HIV, addictions like alcoholism, smoking, experience of drug side effects, early WHO clinical stage, low BMI, opportunistic infections and depression. **Conclusion:** There are many risk factors for non adherence many of which are preventable but are not emphasized in the national programme. National programmes must take these into account to strengthen HIV care.

48. Counseling to mothers promotes complementary feeding (CF) practices and growth of children under 2 years of age a cluster randomized control trial.

Nagaraj K, Divakar S N, Veena G K, Asha K.

Int J Advanced Com Med 2019;2:88-95.

Objective: To promote complementary feeding (CF) practices and to improve the physical growth of children less than 2 years of age through, counseling mothers and the family members. **Methods:** A community based cluster randomized controlled trial (CRT) was conducted in Udupi taluk. All the pregnant mothers registered during the third trimester and the newborn children followed until 2 years of age in the selected Anganwadi (AW) centers. Home based counseling was provided to the family at different points of time. Counseling was based on continuation of breastfeeding, complementary feeding and different types of foods, optimal feeding, hygiene and care of sick child. All the newborns were followed until 2 year of age. Results: Baseline characteristics of the subjects found to be similar in both the groups. The baseline knowledge assessed on a 15-point scale, the mean score in both groups was very much similar. Mean measured weight increased significantly in the intervention group (0.794 kg, $p < 0.002$) at 24 months of age. The mean age of introducing CF, intake of total quantity of food in the form of energy and protein ($p < 0.001$) was significantly high in intervention group compared to control group during the second year of life. **Conclusion:** The study findings clearly show that family level counseling does improve the feeding practices and nutritional status of children less than 2 years of age.

49. Study on awareness regarding snake bite hazards among people working in agriculture sector and health education about preventive and first aid measures.

Visweswara Rao G, Sreedevi A, Sivakala T, Lohitha Bala K, Lakshmi SK.

Int J Com Med Public Health 2019;6:2615-8.

Background: Snake bite is a common medical emergency and an occupational hazard, more so in tropical India, where farming is a major source of employment. In India alone, it has been estimated that as many as 2.8 million people are bitten by snakes, and 46 900 people die from snakebite every year. The objective of the present study is to study

the awareness about hazards of snake bite and to educate about preventive and first aid measures for snake bite.

Methods: This study was a community based longitudinal study conducted in 7 villages near Kurnool town. The sample size was 230. From each agriculture workers after obtaining consent pre-test was done to know their awareness regarding hazards of snake bites in agriculture fields and preventive and first aid measures in each village followed by post-test after health education. **Results:** In this study 230 agriculture workers were participated. Among them 108 (46.95%) were males and 122 (53.1%) were females. Most of the study population were in the age group of 31-40 years (36.9%). Using torch during nights was 68.7% it was increased significantly to 83% after health education, using foot wear was only in 30.4% and increased significantly to 100%, using stick was in 76% and increased to 100% significantly. **Conclusions:** The practice of using torch, wearing footwear, using stick while on field, avoid sleeping on ground in the field were significantly improved after health education. The first aid measure measures after snake bite like immobilization of bitten limb, reassure the person bitten by snake, avoid suctioning, avoiding tourniquet were also improved significantly after health education.

50. Satisfaction and discontinuation with the use of family planning methods among eligible couples of rural and urban areas of Karimnagar.

Gayathry D, Anil M, Sachin G, Chandrasekhar V, Visweswara Rao G.

Int J Community Med Public Health 2019;6:1476-81.

Background: Family planning in which the major component is use of contraceptive methods is a key constituent of health services. The growing use of contraception around the world has given couples the ability to have child as they wish and has tremendous life-saving benefits. Therefore, the current study was conducted to assess the family planning practice among the couples of reproductive age group in the field practice areas.

Methods: A cross - sectional study was conducted during February 2013-January 2014 among the couples residing in the field practice study areas. A semi-structured questionnaire regarding practices towards family planning was administered to 406 couples of the study area. **Results:** It has been observed that about, 250 (61.6%) couples were practicing contraception, while 156 (38.4%) were not practicing any method. There was no statistically significant

difference observed between the family planning practices of couples in rural and urban area ($p=0.54$). **Conclusions:** The study revealed that most of the couples were practicing at least one family planning method with marginal difference in urban and rural area. Among those who were practicing, most common method was tubectomy followed by vasectomy, OCPs and IUDs and most of them were satisfied regarding the adopted method. Sustained efforts on dissemination of information, providing education and increasing communication with couple in reproductive ages and improved family welfare service along with regular availability of contraceptive level would also help in improving adoption and use of family planning measures.

51. Objective structured practical examination as a formative assessment tool compared to traditional method for third year M.B.B.S. community medicine students.

Archana C, Prathyusha TVD.

Int J Community Med Public Health 2019;6:4285-9.

Background: Assessment of students in medical colleges was done by traditional practical examination for evaluation of practical or clinical skills, which is subjective in nature and suffer from lack of objectivity. So a uniform system of clinical and practical evaluation of medical students is always desirable. An objective structured practical examination (OSPE) is one such method believed to meet the deficiencies of the conventional system of practical/clinical examination. This study is an attempt to evaluate the effectiveness of OSPE as a formative assessment tool compared to traditional methods for M.B.B.S. students.

Methods: A cross sectional comparative study was carried out on 56 MBBS students in KAMSRC, Hyderabad, Telangana. Students of 3rd year M.B.B.S were subjected to traditional practical evaluation followed by OSPE. A eight station OSPE was conducted one week after the TPE. The scores obtained in both were compared. All the data collected was entered and analyzed with MS excel software 2007. **Results:** Average marks scored by the students in OSPE (17.78 ± 2.69) were higher as compared to traditional practical examination (15.00 ± 3.49) which was statistically significant. 74.4% of the students strongly agreed that OSPE is fairer in comparison to traditional practical examination. 90.5% students strongly agreed that variability of examiner and patient can be removed to a large extent by OSPE. **Conclusions:** Based on the observation, OSPE was found to be a more effective assessment tool than traditional method.

52. Estimation of macrophage inflammatory protein-1 α (MIP-1 α) levels in serum and gingival crevicular fluid in periodontal health, disease, and after treatment A clinico-biochemical study.

Subramanyam MB, Cheppali SR, Anumla D, Sighinam B, Prasuna E, Reddy RN.

J NTR Univ Health Sci 2019;8:107-13.

Objectives: Previous studies have revealed high macrophage inflammatory protein-1 α (MIP-1 α) levels in the gingival crevicular fluid (GCF) and the serum of patients with chronic periodontitis. However, reports correlating the GCF and serum MIP-1 α levels are inadequate. Therefore, the present study estimates the GCF and serum MIP-1 α levels and its effects on periodontal health, disease, and after periodontal treatment. **Materials and Methods:** Periodontal examination and collection of GCF and serum was performed for 60 subjects categorized into four groups with 20 subjects in each group: Group I (healthy), group II (gingivitis), and group III (chronic periodontitis). Eight weeks after scaling and root planing, the GCF and serum were collected from 20 patients of group III, who were considered as group IV. MIP-1 α levels were estimated using the enzyme-linked immunosorbent assay.

Results: MIP-1 α was detected in all samples. However, the levels reduced significantly in group IV ($P < 0.05$). Mean MIP-1 α levels in GCF and serum were the highest in group III ($1.481 \text{ ng/}\mu\text{L}$) and the lowest in group I ($0.209 \text{ ng/}\mu\text{L}$), and those in groups II ($0.685 \text{ ng/}\mu\text{L}$) and IV ($0.276 \text{ ng/}\mu\text{L}$) appeared between those of groups I and III.

Conclusions: The GCF and serum MIP-1 α levels increased proportionally with the progression of periodontal disease (PD) and decreased after treatment. Because MIP-1 α levels in the GCF and serum correlated positively with clinical parameters, MIP-1 α may be considered a “novel biomarker” in PD progression. However, controlled longitudinal studies are required to confirm this possibility.

53. Serum and gingival crevicular fluid macrophage inflammatory protein-1 α (MIP-1 α): Their relationship in periodontal health, disease, and after treatment with nonsurgical therapy.

Nagireddy RR, Sighinam B, Anumla D, Cheppali SR, Shellysistla LS, Subramanyam MB.

J NTR Univ Health Sci 2019;8:18-23.

Objectives: Earlier studies have revealed high macrophage inflammatory protein-1 α (MIP-1 α) levels in

the gingival crevicular fluid (GCF) and the serum of patients with chronic periodontitis. However, reports correlating effect of non surgical therapy on levels of GCF and serum MIP-1 α levels are inadequate. Therefore, the present study estimates the GCF and serum MIP-1 α levels in periodontal health, disease and after periodontal treatment with non surgical therapy. **Materials and Methods:** Periodontal examination and collection of GCF and serum was performed for 60 subjects categorized into four groups with 20 subjects in each group: Group I (healthy); group II (gingivitis), group III (chronic periodontitis). Twelve weeks after scaling and root planing, the GCF and serum were collected from 20 patients of group III, who were considered as group IV. MIP-1 α levels were estimated using the enzyme-linked immunosorbent assay. **Results:** MIP-1 α was detected in all samples. However, the levels reduced significantly in group IV ($P < 0.05$). Mean MIP-1 α levels in GCF and serum were the highest in group III (1.404 ng/ μ L, 1.712 ng/ μ L) and the lowest in group I (0.342 ng/ μ L, 0.465 ng/ μ L), and those in groups II and IV appeared between those of groups I and III. **Conclusions:** The GCF and serum MIP-1 α levels increased proportionally with the progression of periodontal disease (PD) and decreased after treatment. Because MIP-1 α levels in the GCF and serum correlated positively with clinical parameters, MIP-1 α may be considered a “novel biomarker” in PD progression. However, controlled longitudinal studies are required to confirm this possibility.

54. Evaluation of DNA damage levels in oral leukoplakia by single cell gel electrophoresis assay.

Vani Priya P, Kiranmai G.

IOSR J Dental Med Sci 2019;18:56-9.

Comet assay also known as Single cell gel electrophoresis (SCGE) assay is a rapid and highly sensitive fluorescent molecular technique for detecting various forms of deoxyribonucleic acid (DNA) damage at individual cellular level. The present study was done to detect the extent of DNA damage in oral leukoplakia (OL) and compare with normal individuals. The sample population was obtained from Department of Dental Surgery, Sri Padmavathi Medical College for women, and Sri Venkateswara Institute of Medical Sciences (SVIMS) Tirupathi. Andhra Pradesh. In the period of 24 months, from January 2017 to January 2019. A total of 180 consecutive patients with

leukoplakia and 20 healthy normal volunteers were recruited for the study and assessed for the extent of DNA damage using SCGE following clinical diagnosis and histological grading. Peripheral blood was obtained by venipuncture and SCGE assay was performed. Mean comet tail length was recorded and analyzed statistically to compare the extent of damage in study subjects. The mean comet tail length seen in leukoplakia patients $1.65 \pm 0.132 \mu\text{m}$ while for the control subjects, it was $0.42 \pm 0.14 \mu\text{m}$. The difference was statistically significant. On comparing within the leukoplakia and Control, a progressive trend of increasing tail length was observed with increasing in study subjects. Deoxyribonucleic acid damage as measured by SCGE was seen in leukoplakia. A stepwise increase in DNA damage levels from healthy controls, through patients have been observed indicating the extent of DNA damage in this study group.

55. Clinico-epidemiological study of warts in a tertiary care hospital.

Prakash RB, Balachandrudu J, Reddy PP.

J Evolution Med Dent Sci 2019;8:1258-61.

Background: Warts, which are also called as Verrucae are the commonest viral infections encountered in the dermatology practice. Warts are caused by Human Papilloma Virus (HPV). We wanted to study the clinical and epidemiological aspects of warts and determine the distribution of warts in relation to age, sex, occupation and socioeconomic status. **Methods:** The present study was conducted in a sample of 200 clinically diagnosed cases of Warts attending the outpatient Department of DVL. A clinico-epidemiological study was undertaken in a sample of 200 clinically diagnosed cases of Warts selected randomly from patients attending the outpatient Department of DVL. **Results:** The maximum distribution was noted in the age group of 11-20 years of life (34%). In the present study, males were found to be predominantly affected with a male to female ratio of 2.03:1. In the present study, common warts were the most common type with 106 cases (53%) followed by plantar warts 23 (11.5%), flat warts 22 (11%), genital warts 20 (10%), periungual warts 11 (5.5%), palmar warts 9 (4.5%), filiform warts 5 (2.5%) and digitate warts 4 (2%). In the present study, most common sites involved were extremities which is observed in 128 cases (64%) followed by face in 32 cases (16%), anogenital area in 20 cases (10%), neck in 11 cases

(5.5%). Least common site involved was scalp 2 cases (1%) followed by trunk in 6 cases (3%). Diffuse involvement of warts is seen in one patient. In the current study, 7 patients (3.5%) were found to be seropositive for HIV. **Conclusions:** Warts are the commonest viral infections which are encountered in the Dermatology speciality. Warts were more common among children than adults. Mean age of presentation was 24.98 years. The Age group most commonly affected was 11-20 years with 68 cases (34%) followed by 21-30 years with 56 cases (28%). Males were (67%) more commonly affected than females (33%). Male to female ratio was 2.03:1. Extremities were the most common sites involved (64%) followed by face (16%), anogenital area (10%) and neck (5.5%). Scalp was the least common site involved (1%) followed by trunk (3%). Common warts were the commonest type with 106 cases (53%) followed by plantar warts 23 (11.5%), flat warts 22 (11%), genital warts 20 (10%), periungual warts 11 (5.5%), palmar warts 9 (4.5%), filiform warts 5 (2.5%), digitate warts (2%). Multiple site involvement was common among children.

56. Effect of Adequate Thyroid Hormone Replacement on the Hypothalamo-Pituitary-Gonadal Axis in Premenopausal Women with Primary Hypothyroidism.

Bachimanchi B, Vaikkakara S, Sachan A, Praveen Kumar G, Venkatanarasu A, Sai Krishna Chaitanya P, Sridivya B, Poojari R.

Eur Thyroid J. 2019 ;8:152-8

Background: While the effects of thyroxine (T_4) replacement on improving gonadal function in hypothyroid men has been well documented, the same has not been adequately studied in hypothyroid premenopausal women. **Methodology:** Premenopausal women with overt hypothyroidism (thyroid-stimulating hormone [TSH] > 15 IU/L) were tested in the early follicular phase of their natural menstrual cycles or after a progesterone challenge for gonadotropins, estradiol (E_2), and prolactin (PRL). They were then treated adequately with T_4 replacement and retested under similar circumstances for the same parameters 2 months after the restoration of euthyroidism. **Results:** Forty premenopausal hypothyroid women were evaluated at baseline and 2 months after adequate T_4 replacement. At baseline, there was an inverse correlation of the

gonadotropins (luteinizing hormone [LH] and follicle-stimulating hormone [FSH]) and TSH, prolactin (PRL) and free T_4 (fT_4), and E_2 and PRL. After normalization of the thyroid function, there was a significant fall in PRL ($p < 0.001$) accompanied by a rise in serum E_2 ($p < 0.001$). There were no changes in the levels of the gonadotropins LH and FSH. The proportion of patients with hyperprolactinemia fell 5-fold, from 5/40 to 1/40. While there were 5 patients with low estrogen prior to treatment, there were none with hypoestrogenemia after treatment. **Conclusion:** Hypothyroidism is associated with a reversible partial suppression of the hypothalamo-pituitary-gonadal axis in premenopausal women, demonstrated by lower E_2 along with a mild elevation of PRL. Treatment of hypothyroidism improves the level of estrogen and lowers the level of PRL.

57. Respiratory Dysfunction in Hypothyroidism.

Chaitanya PSK, Suresh V, Mohan A, Sachan A.

J Clin Sci Res 2019; 8:89-94.

Hypothyroidism is one of the most common endocrine disorders in adults. While it affects almost all systems of the body, little attention has been paid to the involvement of the respiratory system and its function in hypothyroidism. The present review summarises the available literature on respiratory function in patients with hypothyroidism. Hypothyroidism has myriad effects on respiratory function. It is known to cause upper airway obstruction during sleep causing sleep disordered breathing (obstructive sleep apnoea). It affects the respiratory drive causing reduced responsiveness to hypoxia or hypercapnia, potentially causing life-threatening hypoventilation on rare occasions. Pleural effusions solely attributable to hypothyroidism are a relatively uncommon occurrence. Deficiency of thyroid hormones reduces the strength of the respiratory muscles. A reduction in diffusion lung capacity for carbon monoxide points to lung parenchymal involvement as well. These two changes lead to a predominantly restrictive pulmonary physiology on spirometry. Studies show that the restrictive pattern improves after thyroxin replacement. Since pulmonary involvement is a relatively underevaluated aspect of hypothyroidism, more studies in this area are the need of the hour, to fill the current lacunae in our knowledge and understanding.

58. Role of Accreditation and Ranking in Medical Education.

Suresh V, Ravikumar TS.

J Clin Sci Res 2019;8:65-6.

It is necessary for the consumers and the public to have confidence in the quality of a product or service to which they subscribe. The quality of health care and of medical education provided in medical colleges is largely intangible to the customer i.e., students and patients as they cannot easily judge it due to the technicalities involved. Hence, the service i.e., medical education or health care provided has to be judged against a recognised benchmark by a third-party professional agency. Thus, the process of external quality review for quality assurance to the public is the essence of accreditation.^[1] It plays a major role in improving quality in education including medical education. Accreditation provides several advantages: it improves the reputation of the institution, thereby potentially attracting better students and faculty and also more funding and support from both government and private sources. Graduates of accredited universities may have better job opportunities. It also improves the systems and processes within the organisation leading to improved quality outcomes. Medical teaching institutions have a dual role – they provide education while also catering to patients. Accreditation therefore could be for educational aspects or for the hospital/laboratory services. Educational accreditation in India is largely under the purview of the National Assessment and Accreditation Council.^[2] This is an autonomous body under the Ministry of Human Resource Development (MHRD) of the Government of India, which started functioning from 1994. It periodically evaluates various kinds of higher educational institutions (HEI) such as universities, institutes of national importance and affiliated colleges. The criteria for accreditation include curricular aspects; teaching, education and evaluation; research, innovation and extension; infrastructure and learning resources; student support and progression; governance, leadership and management and finally institutional values and best practices.^[2] At the end of the assessment, a graded accreditation is provided (A++, A+, A, B++, B+, B and C). Grade D is considered as not accredited. Closely related to accreditation, yet different from it, is the concept of ranking.^[3] Accreditation is either categorical in nature (i.e., accredited vs. not accredited) or may involve bracketing into a limited number of grades. All accredited HEIs falling within a given grade are

perceived to be of similar quality, but the true *inter se* merit between the accredited HEIs is not made known. Ranking, on the other hand, reveals the position of the HEIs relative to each other. Ranking is an annual process while accreditation is less frequent, usually once in 5 years. It is therefore not unusual to have HEIs gaining or slipping in ranks, while maintaining the same grade of accreditation. Ranking is more useful, than merely the accreditation status, to students in making an informed decision, when choosing an HEI to pursue their studies. Likewise too for employers, when deciding between job applicants for selection to a post. While there are many agencies worldwide that provide ranking services, the most reputed ones include Times Higher Education (THE) World Rankings, Centre for World University Rankings from Shanghai Jiaotong University, China and QS World University Rankings by Quacquarelli Symonds Limited.^[3] Indian universities have not been performing well in world rankings. No Indian university was ranked in the top 250, while only three universities ranked in the top 500 of THE World Rankings 2019.^[4] In India, the MHRD has instituted the National Institutional Ranking Framework (NIRF) to rank HEIs in India annually.^[5] The ranking in NIRF is done based on broad parameters which include teaching, learning and resources; research and professional practices; graduation outcomes; outreach and inclusivity and public perception.^[5] Rankings are made under different categories, for example, for universities (including both single and multi-discipline types) or for individual colleges. Discipline-specific rankings are also available, including those in medicine. In the India Rankings 2019 under NIRF, released by the Honourable President of India on April 8, 2019, the All India Institutes of Medical Sciences, New Delhi, was adjudged as the top ranking medical institution in the country, followed by the Postgraduate Institute of Medical Education and Research, Chandigarh, at number two and the Christian Medical College, Vellore, at number three.^[6] It is hoped that accreditation and ranking will go a long way to foster a healthy competition among HEIs to perform better. As none of its HEIs figured in the top 250 on the 2019 THE Word Rankings, both the government and all stakeholders in higher education have their work cut out to improve rankings. The government has launched a scheme to build 20 world-class educational institutions and name them as Institute of Eminence^[7] with the goal of achieving a place in the top 500 ranks in the world within 10 years. The key features distinguishing these institutes of eminence shall

be highly qualified faculty with freedom to recruit from across the world, greater autonomy, excellence in research, high quality of teaching, higher levels of funding, significant proportion of international students, etc. None of the HIEs selected so far as institutes of eminence are medical institutions. What is the way forward? First, all medical colleges and institutions should be encouraged to join in the accreditation and ranking process. Institutions must focus on those areas where they can improve their performance at minimal additional cost so as to enhance their overall scores. Research, innovation and pedagogy must be given their due emphasis along with establishment of placement cells and more public outreach. Leading medical institutions fulfilling required criteria may be promoted as institutes of eminence as described earlier.^[7] The generous funding for developing institutes of eminence needs to be more strongly linked to expected outcomes within a timeline. While giving sufficient latitude and autonomy is essential, no taxpayer's money can be justifiably spent without ongoing accountability. Further, these institutes of eminence should be required to secure progressively increasing funds from other sources such as patents and joint commercial ventures. Specialty-specific rankings within medicine itself will be of immense benefit to students in making informed choices about their career. Inculcating a culture of quality in both education and health care aided by accreditation and ranking is the only way forward to achieve 'world-class' status for medical institutions in India. With a booming economy and a rising middle class, surely, India deserves no less in the 21st century.

59. Prevalence, behaviour, awareness and attitude regarding self medication: a comparative study between medical and dental students in South India.

Rupeshkumar N, Sunil NG, Priyanka J.

Glob J Res Analysis 2019;8:36-7.

Background: Self-medication is one of the common problems worldwide and is a cause of antibiotic resistance. The prevalence of self-medication in India could be high due to improper drug regulation and easy availability of over the counter medications. The knowledge, attitude and awareness regarding self-medication among medical and dental students could help us in understanding the need for awareness campaigns and necessitate the early exposure to the hazards of self-medication. **Objectives:** This study was aimed to compare the prevalence,

awareness and attitude towards self-medication among medical and dental students from a reputed college in Telangana. **Materials and Methods:** A cross-sectional, descriptive study was conducted in medical (n=150) and dental (n=150) students to assess their awareness, attitude and behavior towards self-medication. Medical and dental students aged between 17 and 25 years were included in the study. Data was collected using self-administered questionnaire. **Results:** The overall prevalence of self-medication was high (87.3%) with antipyretics being most commonly self-prescribed (94.3%), followed by analgesics (72.5%) and antibiotics (58.0%). There was a significantly increased usage of sedatives (6.3%) & vitamins (78.8%) among medical students when compared to dental students. 88.0% felt that self-medication was acceptable and only 11% of them were aware of the hazards of drug misuse. The most common source for self-medication was physician prescription (75.3%) and 91% preferred self-medication to doctor consultation for minor illness to avoid waiting for long periods. Female students showed a statistically significant increased usage of analgesics (63.7%), vitamins (73.2%) and herbal drugs (66.9%) compared to their male counterparts. **Conclusion:** This study highlights the high prevalence of self-medication among medical and dental students and the lack of awareness of the hazards of improper drug usage. Drug resistance and adverse effects due to self-medicated drugs is a global issue and creating awareness among the students regarding the hazards of drug misuse is very important.

60. Fine-needle aspiration cytology of nodular thyroid lesions: A 1-year experience of the thyroid cytopathology in a large regional and a University Hospital, with histological correlation.

Konkay K, Kottu R, Yootla M, Hulikal N.

Thyroid Res Pract 2019;16:60-5.

Background: Fine-needle aspiration cytology (FNAC) plays an important role in evaluation of nodular thyroid lesions and in planning appropriate management. **Aim:** the aim of the study is to reinterpret the FNAC diagnosis using the new 2017 Bethesda System for Reporting Thyroid Cytopathology (TBSRTC) and explore its utility and to review the accuracy by correlating with histopathology and analyze the distribution of thyroid lesions. **Settings and Design:** A retrospective study for a period of 1 year will

be undertaken, and all the cases of thyroid FNAC during the study period will be included in the study. **Materials and Methods:** All FNACs of the thyroid, which were done during the year 2011, were retrieved. The results of adequate FNAC samples were correlated with the histological diagnoses in 50 cases. **Statistical Analysis:** the statistical analysis was performed using MedCalc Statistical Software

Results: About 592 cases were included in the study, after recategorization according to the TBSRTC, Bethesda I – 2 cases (0.33%), Bethesda II – 473 cases (79.8%), Bethesda III – 54 cases (9.1%), Bethesda IV – 23 cases (3.8%), Bethesda V – 3 cases (0.5%), and Bethesda VI – 37 cases (6.25%). The false-negative rate is 9%, accuracy rate is 91%, and rate of malignancy in atypical lesions is 53.3%, with overall rate of accuracy of 61.5%. The incidence of microcarcinoma was 4/50 (8%). **Conclusions:** The distribution of thyroid lesions in our institute is similar to that seen elsewhere. The rate of malignancy in indeterminate lesions was 33.33%. FNA has a low false-negative rate for diagnosis of thyroid malignancy; however, controversy exists regarding the accuracy of FNA for nodules smaller than 1 cm. The nomenclature change of follicular variant of papillary thyroid carcinoma to noninvasive follicular thyroid neoplasm with papillary-like nuclear features has led to necessary changes in definitions of various categories in 2017 TBSRTC as well and is discussed in this paper.

61. USG guided pigtail catheter placement for drainage of liver abscess as a minimally invasive procedure.

Prasanth G, Hari Prasad B.

Int Surg J 2019;6:1892-5

Background: The objective of the study was to evaluate the advantages of USG guided pigtail catheter placement for drainage of liver abscess as a minimally invasive procedure. **Methods:** This is a retrospective study conducted in Kamineni Institute of Medical Sciences, Narketpally, Nalgonda, April 2017 to August 2017. It included 45 patients who were diagnosed with solitary liquefied liver abscess. The effectiveness of drainage was determined by doing serial USG scans. **Results:** Age group varied from 27 to 52 years. Out of 45 patients 41 were men and 4 were women. The male to female ratio was 10:1. All the patients underwent USG guided pigtail catheter insertion for solitary liver abscess. Average hospital stay

varied from 2–3 days. No complications were observed during the procedure. **Conclusions:** This study concludes that drainage of solitary liver abscess by USG guided pigtail placement as a minimally invasive procedure was good in clinically improving the patient's general condition & decreasing the size of abscess cavity.

62. LRINEC: an economical diagnostic tool for prognosis in patients with necrotizing soft tissue infections in a tertiary care centre.

Hari Prasad B, Narendra MC, Hameed SN.

Int Surgery J 2019;6:2007-10.

Background: The objective of the study was to evaluate the efficacy of LRINEC score in the management and prognosis of patients with soft tissue necrotizing infections. **Methods:** This is a prospective study conducted in Sri Padmavathi Medical College (W), Tirupati, Andhra Pradesh, India from May 2018 to January 2019. It included 50 patients who were diagnosed with severe soft tissue infection of lower limbs who needed surgical intervention. The effectiveness of LRINEC score was determined from the outcome. **Results:** Age group varied from 40 to 60 years. Out of 50 patients 40 were men and 10 were women. The male to female ratio was 4:1. All the patients were investigated at the time of admission in the emergency department using the LRINEC score. Hospital stay varied from 15–45 days. **Conclusions:** This study concludes that LRINEC score is an economical and accurate investigating tool in necrotizing soft tissue infections to determine the prognosis and outcomes.

63. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in chronic myeloid leukemia patients.

Chandrasekhar C, Kumar PS, Sarma PVGK.

Sci Rep 2019;9:2412.

Mutations in the drug binding region of BCR-ABL lead to imatinib resistance during the management of chronic myeloid leukemia (CML). In our study, 62 Philadelphia positive (Ph⁺) CML patients showing conspicuous expression of BCR-ABL gene were treated with imatinib. At the end of 3 months, 21/62 (33.87%) patients did not obtain complete hematological response (CHR) and also showed no significant decrease in BCR-ABL gene

expression. In all the imatinib-resistant patients BCR-ABL gene was PCR amplified and sequenced. The sequence analysis showed four novel missense mutations p.(Leu301Ile), p.(Tyr320His), p.(Glu373Asp), p.(Asp381Asn) and six already reported mutations p.(Val256Gly), p.(Thr315Ile), p.(Gly250Glu), p.(Tyr253His), p.(Phe317Leu), p.(Met351Thr) which contributed in the formation of inactive enzyme and also two novel frameshift mutations p.(Glu281*) and p.(Tyr393*), which resulted in truncated protein formation. Further, the structural analysis revealed all these mutations affected P-loop, gatekeeper, catalytic and activation loop domain regions of the enzyme causing poor imatinib binding in the ATP region. The primary intention of the study was to find out the mutations in the BCR-ABL gene causing imatinib resistance. This study highlights the need for BCR-ABL gene sequence analysis to detect the mutations in CML patients in order to properly guide the therapy.

64. Down-regulation of SOX17, GATA4 and FoxA2 promotes differentiation potential of hepatocytes from human hematopoietic stem cells.

Kumar PS, Chandrasekhar C, Srikanth L, Sarma PVGK. Tissue and Cell 2020;62:101312.

The failure of regeneration of damaged liver in various end-stage liver diseases results in high morbidity and mortality. In this context, we have demonstrated the differentiation ability of human hematopoietic stem cells (HSCs) into hepatocytes. In this study, HSCs were isolated from a donor and cultured which exhibited the presence of CD34 and CD133 and absence of CD90 and CD73 markers. These CD34+ HSCs were induced for 21 days in hepatocyte differentiation medium (HDM). The obtained cells were characterized by immuno cytochemical, immuno fluorescence, western blot, qRT-PCR and flow cytometry analysis. Further, functional assays were done to accentuate the differentiated cells are hepatocytes. In HDM at day 6 differentiated cells showed the expression of definitive endodermal (DE) markers, *SOX17*, *GATA4* and *FoxA2* indicating the beginning of differentiation process. At day 21 the flow cytometry analysis showed 84.2 % positive to ALB-PE, 75.4 % positive to HNF4α-PE, and 77.3% positive to AFP-PE. Further, the qRT-PCR and western blot analysis presented prominent expression of hepatocyte-specific genes *AAT*, *ALB*, *AFP*, *CK18*, *CK19*, *HNF4α*, *TFR2* and *Hepcidin* confirms the generation of hepatocytes in HDM. The ability of albumin secretion, urea

production, glycogen storage, uptake of LDL, high ALDH enzyme activity describes the functionality of differentiated hepatocytes. Distinct expression of *UGT1A1*, *CYP2B6*, *CYP2C9*, *CYP3A4*, and *CYP7A1* genes explains the ability to clear toxins and bilirubin as observed in normal hepatocytes. All these results indicate HSCs were differentiated into hepatocytes thus, autologous transplantation of HSCs could be a better option in the regeneration of the damaged liver.

65. Clinical profile and survival outcomes of Ewing's Sarcoma- An Institutional Experience.

Bhargavi D, Manilal B

Indian J Applied Res 2019;9:30-1.

Background: To analyze the disease characteristics and survival outcomes of Ewing's sarcoma family of tumors. **Methods:** In this retrospective study, data analyses of Ewing's sarcoma patients between 2013 to 2016 were analyzed. Age, sex, stage, site, skeletal/extra skeletal tissue of origin, and treatment details were recorded. Complications during chemotherapy were recorded. Survival outcomes were analyzed. **Results:** Out of the 42 cases, 54.8% were males. The mean age at presentation was 22.7±13.47 years. Majority of patients (66.7%) had limited disease at presentation. Most of the patients (57.1%) had extra skeletal Ewing's sarcoma. VAC/IE and VAC only chemotherapy was given for limited and extensive disease respectively. Only 7 patients received planned cycles of chemotherapy in the limited stage. Symptomatic cardiac failure was observed in 3 patients. Two patients developed deep vein thrombosis of leg during therapy. One patient died due to feile neutropenia. Two year PFS and OS are 33.3 % and 40% respectively for the whole group. **Conclusion:** Extra skeletal involvement comprises a larger number of cases as compared to skeletal Ewing's sarcoma. Survival outcomes are poor owing to poor compliance to the therapy.

66. A rare case of paediatric non-Hodgkin's lymphoma.

Bhargavi D, Kannan T, Priyadarshini K L, Santhosh V, Ramprahlad K M, Sreekanth B.

J Clin Sci Res 2019;8:95-7.

Anaplastic large cell lymphoma (ALCL) is a rare disease accounting for 10%–15% of all non-Hodgkin's lymphomas in children. It is distinguished from other lymphomas by

their anaplastic cytology and constant membrane expression of the CD30 antigen. We report a 9-year-old boy presented with a left calf swelling. Biopsy from swelling revealed as small cell variant of anaplastic lymphoma kinase-positive ALCL. Staging with positron emission tomography-computed tomography showed lymph nodal and multiple extra-nodal involvement. The extra-nodal sites were lung, pancreas, bone, sphenoid sinus and muscles. He was started on ALCL-99 protocol.

67. Co-circulation of four dengue serotypes at South Eastern Andhra Pradesh, India: A prospective study.

Racherla RG, Pamireddy ML, Mohan A, Mudhigeti N, Mahalakshmi PA, Nallapireddy

U, Kalawat U.

Indian J Med Microbiol 2018;36:236-40.

Background: Dengue is one of the most important mosquito-borne viral diseases in the world. The emergence and spread of four dengue viruses (DENVs) (serotypes) represent a global pandemic. The four distinct serotypes are, namely, DENV-1, DENV-2, DENV-3 and DENV-4. Very few dengue serotyping studies have been reported from Andhra Pradesh. In this context, the present study focuses on the circulating serotypes of dengue in South-Eastern Andhra Pradesh. **Methodology:** Study was done at Sri Venkateswara Institute of Medical Sciences, a teaching hospital in Tirupati, Andhra Pradesh. Acute phase dengue serum samples were collected and tested for NS1 antigen and anti-human IgM antibodies by enzyme-linked immunosorbent assay (ELISA). NS1-positive samples were further serotyped by reverse transcriptase real-time polymerase chain reaction (rRT-PCR). **Results:** A total of 398 serum samples were received from clinically suspected dengue fever cases. Of these, 150 (37.7%) samples were positive for NS1 and/or IgM ELISA. The 96 NS1 antigen-positive samples were further processed for serotyping, of which 36 were negative by rRT-PCR. DENV-2 (41%) was the predominant serotype, followed by DENV-4 (37%), DENV-3 (12%) and DENV-1 (10%) in descending order. **Conclusion:** This study reports the all four dengue serotypes' co-circulation. This is the first report from South Eastern Andhra Pradesh. Amongst four, DENV-2 was predominant followed by DENV-4. The information of predominant serotypes can guide in forecasting dengue outbreaks and improving control measures of vectors thus may be helpful in the prevention of outbreaks.

68. Clinical manifestations, imaging findings and laboratory abnormalities in 51 patients with autosomal dominant polycystic kidney disease: Experience at Tirupati, South India.

Bhargav KM, Kumar BS, Mohan A, Aramadhaka LR, Prajwal BM, Kumar DP, et al.

J Clin Sci Res 2018;7:165-9.

Background: Autosomal dominant polycystic kidney disease (ADPKD) is an important cause of renal failure. Sparse recent data are available on clinical presentation ADPKD from India. **Methods:** We retrospectively studied the clinical presentation, imaging findings and laboratory abnormalities in 51 patients diagnosed to have ADPKD at our tertiary care teaching hospital at Tirupati, South India. **Results:** Their mean age at presentation was 49.1 ± 13.2 years; there were 32 (63%) males. Salient renal clinical manifestations at initial presentation included abdominal pain (47%); fever (35%), shortness of breath (33%); palpable mass per abdomen (25%); burning micturition (20%); haematuria (10%); and renal/ureteric calculi (12%). Other manifestations were headache (21%); altered sensorium (12%); intracerebral bleed (8%) and chest pain (8%). Family history of ADPKD was present in 13 (26%) patients. On imaging studies kidneys were normal sized in 39%, enlarged in 59% and small sized in one patient; co-existent liver cysts were found in 12 patients. Hypertension ($n = 20$, 40%); chronic kidney disease (CKD) ($n = 36$, 71%) were evident at initial presentation. Other associated co-morbid conditions were type 2 diabetes mellitus ($n = 6$); Marfan's syndrome with mitral valve prolapsed and renal cell carcinoma (one patient each). **Conclusions:** In Tirupati, South India, ADPKD most commonly presented in fourth or fifth decade of life. Males were affected more frequently than females. Presence of CKD, hypertension at the time of initial diagnosis suggests that ADPKD is diagnosed late in the course of the disease. A high index of suspicion, specific diagnostic work-up including abdominal ultrasonography is required to diagnose ADPKD.

69. Anti-synthetase syndrome.

Raja VA, Harikrishna J, Ganesh M, Rahul C, Praveen A, Reddy SA, et al.

J Clin Sci Res 2019;8:98-100.

We report the case of a 39yearold female who presented with breathlessness on exertion, cough, myalgias for the

past 6 months and fever for 1 month. Chest Xray revealed bilateral multilobar consolidation. Highresolution computed tomography (HRCT) of the chest revealed bilateral interstitial thickening, traction bronchiectasis and consolidation in the posterior segment of the left upper lobe. Laboratory investigations showed mild normocytic, normochromic anaemia (haemoglobin 10.4 g/dL), thrombocytosis (platelet count 6.03 lakhs/mm³), peripheral blood eosinophilia (11%) and raised erythrocyte sedimentation rate (100 mm at the end of the first hour). Serum creatine kinase (178 IU/L) was normal. Antinuclear antibody (ANA) tested positive and ANA profile revealed antiJo1 antibodies. She was diagnosed to have anti synthetase syndrome based on the above clinical features and positive autoantibodies. The present case highlights the importance of obtaining HRCT chest and ANA profile in confirming the diagnosis in patients with clinically suspected inflammatory muscle diseases and associated interstitial lung diseases. This case also brings to light the uncommon occurrence of antisynthetase syndrome among idiopathic inflammatory muscle diseases.

70. Trends of acute-phase dengue at a tertiary care hospital, Tirupati, Andhra Pradesh India.

Racherla RG, Nagaraja M, Mohan A, Kalawat U.

J Clin Sci Res 2018;7:175-8.

Background: The present study was designed to know the trends of acute phase dengue in the Rayalaseema region of Andhra Pradesh state. **Methods:** This was a retrospective study conducted at Sri Venkateswara Institute of Medical Sciences, a tertiary care teaching hospital in Tirupati, Andhra Pradesh. Samples received for dengue NS1 testing from January 2011 to December 2015 were analysed. **Results:** During the study period, 6182 serum samples were received from cases clinically suspected to have dengue fever. Of these 690 (11.2%) tested positive. Positivity was significantly higher among females compare to males (12.1% vs 10.4%; $P = 0.037$). Children (19.2%) were more affected than adults (12.2%) and elderly (3.6%) ($P < 0.001$). **Conclusion:** Acute dengue infections were high in children compared to other age-groups with preponderance during post-monsoon and monsoon periods.

71. A study on clinical features, complications and management of scorpion sting envenomation at a tertiary care hospital, in rural South India.

Yuvaraja K, Chidambaram N, Umarani R, Bhargav KM, Kumar SP, Prabhu T.

J Clin Sci Res 2019;8:140-4.

Background: Scorpion sting is a common medical emergency in rural India. Sparse published data are available regarding scorpion sting envenomation in adults from South India. **Methods:** We prospectively studied the clinical manifestations and twodimensional echocardiography findings in fifty adult patients admitted with scorpion sting at a tertiary care teaching hospital in South India. **Results:** Their mean age was 34.8 ± 13.6 years; there were 28 (56%) males. Fortyone (82%) patients were stung over the limbs and the remaining over the rest of the body. Seventeen (34%) patients received prazosin within 5 h of sting; the remaining 33 (66%) received prazosin thereafter. Salient symptoms were pain over the sting area ($n = 18$, 36%), dyspnoea ($n = 13$, 26%), chest pain ($n = 9$, 18%), vomiting ($n = 6$, 12%), sweating ($n = 5$, 10%), nausea ($n = 3$, 6%), priapism ($n = 7$, 14%) and piloerection ($n = 6$, 12%). Common complications were accelerated hypertension ($n = 12$, 24%), pulmonary oedema ($n = 10$, 20%), myocarditis ($n = 8$, 16%), congestive heart failure ($n = 6$, 12%) and peripheral circulatory failure ($n = 3$, 6%). Common electrocardiogram abnormalities were tachycardia (20%), Twave inversion (10%), tall Twaves (10%), STdepression (4%) and atrial fibrillation (2%). Mitral regurgitation was mild (Grade I) in 4 (8%) and moderate (Grade II) in 3 (6%) patients. Decline in left ventricular ejection fraction was noted ($n = 14$, 28%). **Conclusion:** Scorpion sting patients present with complaints of pain, palpitation, dyspnoea and paraesthesia. Complications such as hypertension, pulmonary oedema and sinus tachycardia are common. Early administration of prazosin is advocated for better outcome. Therefore, prudent knowledge on cardiovascular manifestations of the disease and timely management is pivotal for physicians.

72. Transfusion-related acute lung injury.

Raja VA, Rahul C, Kumar MK, Pradeep V, Sreedhar Babu KV, Harikrishna J.

J Clin Sci Res 2018;7:24-9.

Transfusion-related acute lung injury (TRALI), an important non-infectious risk of blood transfusion is a leading cause of morbidity and mortality. Activation of polymorphonuclear (PMN) leucocytes by the mediators released due to the interaction of donor antibodies against the recipient monocytes is thought to trigger TRALI. Major histocompatibility complex Class II antibodies have been implicated in the direct causation of TRALI by direct activation of PMN leucocytes. TRALI has been reported in patients receiving all blood components that contain plasma. Awareness regarding TRALI among clinicians and a high index of suspicion will facilitate early diagnosis of the condition. TRALI is a clinical diagnosis that is suspected when new acute lung injury (ALI) develops within six hours of a transfusion. Diagnostic work-up should focus on ruling out other risk factors for ALI like sepsis, aspiration, among others. TRALI mitigation strategies are helpful to ensure blood safety and facilitate lessening of other transfusion reactions transfusion associated circulatory overload as well. The treatment for TRALI is symptomatic and supportive and is similar to that administered for ALI.

73. Stevens–Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral cefuroxime.

Kumar DP, Niveditha G, Kumar BS, Indirakshi J, Devi PS, Mohan A.

J Clin Sci Res 2019;8:155-8.

Stevens–Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN) are lifethreatening and severe cutaneous adverse drug reactions characterised by epidermal detachment presenting as blisters and differ only by their extent of skin detachment. A 22yearold male presented to our tertiary care teaching institute with fever for the preceding 5 days and macular rash over the back for the past 1 day. Before this, he had consulted a local physician for fever and was using oral cefuroxime (250 mg bid) for the past 5 days. General physical examination revealed fever (103 oF), conjunctival congestion, generalised maculopapular rash and ulcers over the lips. He was admitted to medical intensive care unit. On the next day, fever persisted; rash had worsened, conjunctivitis developed and skin peeling became evident, involving >10% but <30% of body surface area. At this point in time, a diagnostic possibility of an adverse drug reaction was considered and the patient's history was thoroughly reviewed again. Oral cefuroxime was stopped. Dermatology consultation was sought. Based on clinical

presentation, the patient was diagnosed to have SJS/TEN overlap syndrome. He was treated with intravenous linezolid 600 mg twice daily, topical antibiotics and symptomatic management. The patient recovered, skin lesions subsided and he was discharged from the hospital in a stable condition after 2 weeks of inhospital stay. The present case documents the rare occurrence of SJS/TEN overlap syndrome as an adverse drug reaction with cefuroxime treatment.

74. Skin diarrhoea due to scorpion sting.

Sindhu G, Praveen A, Niveditha G, Kumar DP, Kumar BS, Mohan A.

J Clin Sci Res 2018;7:192-3.

Scorpion sting is a life-threatening acute medical emergency constitutes a major public health problem in several parts of the world, especially in South Asia, including India, Central and South America, North Africa and the Middle East.^[1] Its venom delays the closing of neuronal sodium channels, resulting in 'autonomic storm' owing to sudden pouring of endogenous catecholamine into the circulation. Autonomic storm is characterised by transient parasympathetic and prolonged sympathetic stimulation. Parasympathetic stimulation is characterised by profuse sweating all over the body (skin diarrhoea), ropy salivation, vomiting and priapism. Here, we report the case of scorpion sting presenting with skin diarrhoea. A 48-year-old female sustained a scorpion sting due to *Mesobuthus tamulus*, (Indian red scorpion) the Indian red scorpion on her left index finger while picking grass during work, few minutes later, she developed sudden onset of severe localised pain followed by generalised weakness and giddiness. Three hours later, she presented to our emergency service with profuse sweating all over the body. On physical examination, the patient was afebrile, was weighing 40 kg, pulse 55/min and blood pressure 90/50 mmHg. Profuse generalised sweating was evident all over the body. Systemic examinations of respiratory, cardiovascular, abdominal and neurological systems were unremarkable. Based on the clinical picture, a diagnosis of skin diarrhoea due to scorpion sting was made and the patient was treated with intravenous fluids, oral prazosin (500 ig/kg body weight, 20 mg) and analgesic. She improved symptomatically, the present case highlights skin diarrhoea occurring as a parasympathetic manifestation of scorpion

sting. *Mesobuthus tumulus*, Indian red scorpion, was commonly found in the Western Maharashtra, Saurashtra, Kerala, Andhra Pradesh, Tamil Nadu and Karnataka. Scorpion stings are reported in large numbers in India and 15%–20% of these stings manifest with systemic symptoms. Clinical presentation of scorpion sting envenomation includes local and systemic manifestations. Local manifestations include pain, urticaria, oedema and spasm of underlying muscles. Salient systemic manifestations include autonomic storm, initial parasympathetic stimulation leads to vomiting, copious salivation, profuse sweating all over the body (skin diarrhoea) and priapism. Sympathetic manifestations characterised by anxious puffy face, propped up eyes, oculogyric crisis, chest discomfort and major manifestations such as hypertensive crisis and acute pulmonary oedema. Electrocardiogram shows sinus bradycardia, ventricular premature beats and rarely fatal ventricular arrhythmias, among others. Patients can be treated symptomatically with local ice packs at the sting site, local anaesthesia lignocaine without adrenaline and non-steroidal anti-inflammatory drugs for pain relief. Prazosin is an α -1 adrenergic blocker reduces preload and left ventricular impedance without causing tachycardia and can be administered orally in a dose of 250 p T 500 μ g/kg body weight in children and 500 p T 1000 μ g/kg body weight in adults; it is repeated every 3 hourly until the signs of clinical improvement appear. Use of scorpion anti-venom in combination with prazosin hastens the recovery; use of scorpion anti-venom is not mandatory. However, anti-venom could not be used in our patient due to non-availability.

75. Pulmonary atelectasis due to organised blood clot.

Harikrishna J, Pradeep V, Mounika G, Lavanya S, Hemsai K, Kumar CS, et al.

J Clin Sci Res 2018;7:149-50.

A 79-year-old female patient presented to the emergency department at our tertiary care teaching hospital with a history of shortness of breath and fever for 3 days. In view of respiratory distress, she was intubated and was started on mechanical ventilator support. On further evaluation, she was found to have community-acquired pneumonia due to influenza A virus infection, and she was shifted to the medical intensive care unit for further management. She developed sepsis with multiorgan

dysfunction; she was managed accordingly with antibiotics and other supportive measures. Tracheostomy was done on day 9; 3 days following that, she became tachypneic, and on clinical examination, breath sounds were diminished all over the lung fields on the left side. Chest X-ray was done and it revealed left lung absorption atelectasis. An organized blood clot was removed on repeated suctioning with mucolytic agents and following that recruitment maneuvers resulted in expansion of collapsed lung. She was weaned off from the ventilator support, and after decannulation of the tracheostomy tube, she was discharged in hemodynamically stable condition. On follow-up, she was doing well. **Discussion:** Although bronchial intubation of the right side most often leads to acute left lung collapse, the possibility of other causes such as obstruction of left bronchus due to mucus plug, blood clot, foreign body aspiration, and large pleural effusion should be considered. Management includes chest physiotherapy, repeated manual lung inflation with frequent suctioning, and postural change with mechanical ventilator support to maintain adequate ventilation. Fiberoptic bronchoscopy remains the method of choice for both diagnosis and treatment of lung collapse due to obstruction if above measures fail. The present case highlights the importance of meticulous clinical examination, and timely management of acute lung collapse results in decreased morbidity and better outcome in patients with absorption atelectasis.

76. Evaluation of loop-mediated isothermal amplification assay for detection and typing of human papilloma virus 16 and 18 from endocervical samples.

Mudhigeti N, Kalawat U, Hulikal N, Kante M.

Indian J Med Microbiol 2019;37:241-7.

Background: Many human papillomavirus (HPV) types are associated with cervical cancer (CC). Therefore, HPV genotyping has both clinical and epidemiological importance. HPV 16 and 18 are two principal high-risk types responsible for more than 70% of all CC cases. Although several commercial and non-commercial genotyping assays are available, there is a need for a cost-effective and sensitive genotyping method for low- and middle-income countries. **Methods:** The study was aimed at evaluation of loop-mediated isothermal amplification (LAMP) assay for HPV genotyping in cervical samples. A total of six primer sets for each HPV type were selected for the assay. The LAMP assay was standardised and validated with HPV control panel. Cervical biopsies were

subjected to nested multiplex polymerase chain reaction (NM-PCR; as a part of routine diagnostic workup) and LAMP (HPV 16 and 18) simultaneously. **Results:** A total of 225 clinical samples were processed during the study period. The sensitivity of the assay was determined using the 10-fold dilutions of positive controls. Both the HPV 16-LAMP and HPV 18-LAMP assays were shown to detect as low as 10 viral copies per reaction, which is similar to that of NM-PCR. The LAMP assay had a good agreement (new cases; 92%, post-chemoradiotherapy [post-CRT]; 89.1%) with NM-PCR for the detection of both HPV 16 and 18. As compared to histology (new cases; 79.8%, post-CRT; 51.3%), LAMP had better agreement with NM-PCR for detection of HPV from post-CRT cases. **Conclusions:** We evaluated the LAMP assay for simultaneous detection and typing of HPV 16 and 18. The assay had good agreement with NM-PCR for detection of both HPV 16 and 18. The LAMP assay is a promising tool for HPV genotyping along with routine cervical cytology, especially in resource-constrained settings.

77. Seroprevalence of Anti-Chikungunya IgG Antibodies among Rheumatoid Arthritis (RA) Patients.

Anju V, Nagaraja M, Sirisha K, Srikar A, Sharma KVS, Umapathi N, Usha K.

J Clin Diagn Res 2019;13:DC06-DC09.

Introduction: Chikungunya infection is an acute disabling illness characterised by high fever and severe arthralgia. Most of the patients recover completely; however few may develop post-Chikungunya Chronic Inflammatory Rheumatism (CHIK-CIR). **Aim:** To detect the seroprevalence of chikungunya among Rheumatoid Arthritis (RA) patients and to demonstrate association between them. **Materials and Methods:** This was a prospective study conducted from July 2018 to November 2018 at the Department of Microbiology, in a tertiary care hospital. Patients attending rheumatology clinic with complaints of arthritis and clinically suspected to have RA were included in the study. Samples were tested for Anti-Citrullinated Peptide Antibodies (ACPA), Anti-Chikungunya IgM and IgG antibodies by Enzyme Linked Immunosorbent Assay (ELISA) as per manufacturer's instructions. **Results:** A total of 373 patients were included in the study. Of these serum samples 90 (24.12%) samples were positive for ACPA, with female predominance (n=66,

73.33%) and 29 (7.77%) patients' serum samples tested positive for chikungunya IgM. Highest positivity for ACPA was observed in the age group 40-60 years (n=47, 52.22%). IgG ELISA for chikungunya was positive in 58.89% (n=53), 60% (n=27) and 46.67% (n=21) of clinically suspected and ACPA positive, 45 clinically suspected but ACPA negative and 45 healthy individuals respectively. The difference was not statistically significant across the different groups. However, seroprevalence was higher among patients suffering with arthralgia as compared to that of healthy population group. **Conclusion:** Rheumatologist should always consider Chikungunya infection as one of the causes for arthralgia. In endemic countries like India it is difficult to ascertain whether chikungunya infection progresses to RA or not.

78. Prevalence of multidrug resistant staphylococcus aureus in clinically suspected atypical pneumonia patients.

Kante M, Racherla RG, Kalawat U.

J Evolution Med Dent Sci 2019;8:3863-7.

Background: *Staphylococcus aureus* (*S. aureus*) is one of the common pathogens frequently causing pneumonia. *S. aureus* is a gram-positive organism, which belongs to the family *Micrococcaceae*. Generally atypical pneumonia is caused by *Mycoplasma pneumoniae*, *Legionella pneumophila* and *Chlamydophila pneumoniae*. Typical pathogen *S. aureus* is the most frequent and common nosocomial acquired infection. Now-a-days, antibiotic resistant bacterial strains like *S. aureus* have increased in hospital settings. Developing antibiotic resistance is a major problem with *S. aureus*. We wanted to estimate the non atypical pathogens particularly *S. aureus* in clinically suspected atypical pneumonia cases. **Methods:** 250 clinical samples of sputum, broncho alveolar lavage (BAL) and pleural fluid were collected and investigated with Gram staining, culture and antibiotic sensitivity tests. **Results:** Out of a total of 250 cases, *S. aureus* was isolated in 19 cases. *S. Aureus* showed highest resistance to Ampicillin (15) (6%), and Penicillin (15) (6%). *S. aureus* showed highest sensitivity to Vancomycin 19 (7.6%) and Tetracycline 19 (7.6%). **Conclusions:** Based on clinical symptoms alone, we cannot identify the organism causing the infection. It is important to determine as to whether it is caused by atypical pathogen or typical pathogen. Sometimes co-infections might be the reason. That's the

reason why screening is essential for both atypical and typical pathogens. Clinicians must follow the authentication-based guidelines and proper patient management which will help in reducing the severity of the disease. Mainly screening will help clinicians to give proper treatment as well as decrease the drug resistance.

79. Pneumocystis jirovecii Pneumonia-A revisit to the old malady.

Meenakshi K, Rishi Gowtham R, Usha Kalawat.

J Clin Diagn Res 2019;13:1-8.

Pneumocystis jirovecii Pneumonia (PJP) was previously called as Pneumocystis carinii Pneumonia (PCP), it is one of the most common opportunistic fungal infection in immuno-compromised individuals. Patients may present clinical symptoms such as fever, non-productive cough, chills, weight loss, dyspnoea, shortness of breath and respiratory failures in severe cases. Clinical samples such as Sputum, Induced sputum, Bronchio Alveolar Lavage fluid (BAL), Pleural fluid and Lung tissue are used for identification of Pneumocystis infection. Diagnosis of Pneumocystis jirovecii is done by staining, serology, in-vitro cultivation and molecular methods. Different types of Polymerase Chain Reaction (PCR) assays can be used for different gene targets for detection of Pneumocystis. PCR assays are most sensitive and specific methods which can be useful for detection of P. jirovecii from infected individuals, recurrent PJP patients. Treatment of PJP infection is based on the severity of the illness and diagnosis. Evidence based guidelines should be followed for giving proper treatment. If treatment is not given, the patient will die with PJP infection. Trimethoprim/Sulfamethoxazole (TMP-SMZ) is given as an early treatment prophylaxis in patients with PJP. If side effects are severe with TMP-SMZ, other drugs include Pentamidine, Trimetrexate, Atovaquone, clindamycin and primaquine combined with leucovorin, dapsone and Caspofungin combined with clindamycin can be given as alternative drug regimen to the patients with PJP infection. Wide spread and long term usage of PJP prophylaxis can lead to rising new cases of dihydropteroate synthetase (DHPS) mutant strains. Extensive utilisation of TMP-SMZ and dapsone in Human Immunodeficiency Virus (HIV) and other immuno-compromised individuals can lead to sulfa (sulfonamide or sulfone) drug resistance. Evaluation of drug resistance is complicated in HIV patients and finally further advance

research is required for strategies development as well as to stop the further increase of resistant strains. New diagnostic methods and usage of non-invasive respiratory specimens such as oral washes for diagnosis of PJP should be expanded. PCR is the most sensitive method compared to other conventional and serological methods. Using PCR and Sequence analysis can be helpful for estimation of prevalence of disease as well as epidemiological purposes. There is an urgent need to develop newer drugs and vaccines to eradicate the PJP disease burden. This review of literature gives recent information on PJP by highlighting epidemiology, taxonomy, pathophysiology, mortality, present situation, recent diagnostic methods, recommended immuno-prophylaxis and recent advances.

80. Schizophrenia and bipolar disorders: The Toxoplasma connection.

Chaudhury A, Ramana BV.

Trop Parasitol 2019;9:71-6.

The infectious etiology of psychiatric illnesses has remained an unexplored area till recently. During the past two decades, numerous studies from multiple angles have tried to link chronic toxoplasmosis with schizophrenia and bipolar disorders, among others. Most of the evidence has come from serological studies in the patient population, but other facets have also been explored. This review examines the various areas from which a causal link has been deduced and includes: (a) serological studies, (b) effect of maternal toxoplasmosis on children, (c) neurotransmitter studies, (d) parasite localization in the brain, (e) role of cytokines, and (f) psychotherapy and its effect on *Toxoplasma*. However, multiple factors may play a role in the etiopathogenesis of psychiatric illnesses, and chronic *Toxoplasma* infection may be considered an important risk factor for the genesis and symptomatology of schizophrenia and bipolar disorders.

81. Comparison of three extraction methods for isolation of M. tuberculosis DNA for genotypic studies and efficacy of heat killing after boiling.

Srikar A, Ramana BV, Mohan A, Sarma PVGK, Gohain N, Prakash P, Abhijit C.

Int J Sci Res 2019; 8: 59-61.

Molecular methods involving nucleic acids have become an indispensable part of any scientific study in the modern era. Towards this, the isolation of DNA/RNA from the

organisms is a crucial step where the purity and quantity need to be high to arrive at a meaningful result. In this study, three DNA extraction procedures have been tried with the primary aim to find its suitability in genotypic analysis of *Mycobacterium tuberculosis*. A total of 104 isolates of *M. tuberculosis* from solid culture were subjected to Boiling method, CTAB method, and a commercial kit based system and the extracted DNA was analyzed for the amount and the purity. The highest DNA concentration resulted from the commercial extraction method (value $89.09 \mu\text{g/ml} \pm 14.69$), while the lowest one resulted from the CTAB method (value $35.62 \mu\text{g/ml} \pm 8.4$); while the yield from boiling method was higher compared to the CTAB method ($51.67 \mu\text{g/ml} \pm 9.21$). Spectrophotometric analysis for A260/280 ratio showed that purity of DNA was high in CTAB method compared to remaining two extraction methods. The extracted DNA by the three methods all showed distinct bands when amplified with MIRU20 primer. Culture of material after heat extraction was cultured on solid medium to check the viability, and out of 104 samples, a total of 4.3% remained viable. Thus the boiling method is a fast and reliable means of extracting DNA for genetic analysis of *M. tuberculosis*, but a small number of isolates which escape the killing remains a matter of concern.

82. MPT 64 antigen detection for Rapid confirmation of *Mycobacterium tuberculosis* complex

Ramana BV, Srikar A, Sreedhar Babu KV, Abhijit C.

Int J Med Sci Cur Res 2019;2:165-7.

The *Mycobacterium tuberculosis* complex (MTBC) is a known agent for infectious pulmonary tuberculosis. Conventional phenotypic methods for identification of mycobacterial species are based on the results of rate of growth, pigmentation of colonies and various biochemical reactions. The SD MPT 64 TB Ag Rapid ICT kit is a simple, reliable, rapid, low-tech identification kit which can be used as a diagnostic tool in resource poor diagnostic centers for accurate identification of MTB isolates.

83. Diagnosis of extrapulmonary tuberculosis by real time pcr and comparison with conventional diagnostic methods

Ramana BV, Srikar A, Sreedhar Babu KV, Abhijit C.

Int J Sci Res 2019;8:11-3.

Introduction: Tuberculosis is a major global public health problem. Among that Extra Pulmonary Tuberculosis (EPTB) accounts for approximately 15-20% of the tuberculosis cases. Tuberculosis can involve any organ system in the body though pulmonary tuberculosis is the most common presentation. Extra pulmonary Tuberculosis is also an important clinical problem.

Materials and methods: Various body fluids submitted for confirmation of diagnosis of TB were prospectively studied. These include CSF, pericardial fluid, pleural fluid, peritoneal fluid, peritoneal dialysis fluid, synovial fluid, Urine and Pus. **Results:** A total number of 200 samples were received during study period and they were also tested for ZN staining and culture on LJ Medium for the detection of *Mycobacterium tuberculosis*. Of these, 29 were positive for tuberculosis. RT PCR detected maximum number of positives (23), followed by culture (16) and the smear (2). PCR and culture positives were 10 and smear and culture positives were 2 and all positives were 1(pus). **Conclusion:** PCR assay is highly sensitive and specific tool available to date for the diagnosis of tuberculosis in all types of specimens obtained from patients with a clinical suspicion of extra-pulmonary and can be reliably used for rapid identification of tuberculosis.

84. Diagnostic accuracy of XPERTMTB/RIF assay in detection of pulmonary tuberculosis and rifampicin resistance in comparison with conventional methods.

Ramana BV, Srikar A, Prakash P, Abhijit C.

Int J Sci Res 2019;8:37-9.

Introduction: Tuberculosis is one of the oldest diseases with high morbidity and mortality. India accounts for one-fourth of the global TB burden (2.7 million cases). **Material and methods:** A total 1056 patients were included in this study. All patients were requested to give two sputum samples, spot sputum sample (at the time of visit) and early morning sputum for mycobacterial testing. All spot samples tested with smear microscopy and Xpert MTB/Rif assay. Rifampicin resistant samples compared with conventional method. **Results:** Out of 1056 sputum samples GeneXpert MTB Rif assay detected positive 204 (19.3%), not detected 827 (78.31%). There is significant difference founded for positivity in spot samples and early morning sputum samples ($P=0.0026$). Rifampicins resistant were 8 (3.9%) and shown 100% sensitivity, specificity with Conventional method. **Conclusion:** For diagnosing

tuberculosis and detecting Rifampicin resistance GeneXpert MTB/RIF has been especially recommended.

85. IgA nephropathy in a patient with IgG myeloma.

Lakshmi B S, Padmavathi Devi S V, Sameera N S, Reddy AS, Ram R, Kumar VS.

Indian J Nephrol 2018;28:404-6.

IgA lambda myeloma with mesangial proliferative glomerulonephritis (GN) without IgA had been reported. IgA myeloma with nephritis and Henoch-Schonlein purpura (HSP) may coexist, and some have suggested a causal relationship between IgA nephropathy and IgA myeloma. We report a patient of diabetes mellitus with IgA nephropathy with IgG myeloma. A 65-year-old male, type 2 diabetic and hypertensive for the past 3 years, presented with a history of swelling of feet, facial puffiness and distention of abdomen for the past 3 months. There was no antecedent history of fever, upper respiratory tract infection, allergy, insect bite, or drug intake. The swelling was gradually progressive. Fundus examination revealed the absence of diabetic retinopathy. The initial investigations revealed serum creatinine: 1.05 mg/dL, serum potassium: 3.1 mEq/L, hemoglobin: 9.0 g/dL, erythrocyte sedimentation rate: 125 mm after 1st h, total serum proteins: 5.6 g/dL, serum albumin: 1.6 g/dL, total cholesterol: 172 mg/dL, triglycerides: 276 mg/dL, serum calcium: 8.2 mg/dL, serum phosphorus: 3.4 mg/dL, serum uric acid: 8.9 mg/dL, 24 h urine protein: 3.1 g, urine albumin: 1+, urine red blood cells: nil, and urine white blood cells: 2–4/hpf. For the indication of proteinuria, a renal biopsy was done. It revealed eleven glomeruli. Two of them were sclerosed. Remaining glomeruli revealed diffuse segmental increase in mesangial matrix without increase in cellularity. There was no thickening of basement membrane, no crescents, or necrosis. Immunofluorescence revealed IgA ++ in all glomeruli, IgM+, and lambda ++. Kappa was negative. As IgA nephropathy in patients above 60 years requires investigation for a malignancy, bone marrow aspiration and trephine biopsy were done. It revealed increased number of plasma cells, presence of bi- and multinucleated plasma cells, and plasmablasts. Plasma cells accounted for 24% of the cells. Serum protein electrophoresis showed the presence of “M” band. The serum levels were IgM: 95.9 mg/dL (reference range: 40–230 mg/dL), IgA: 192 mg/dL (reference range: 70–400 mg/dL), IgG: 1810 mg/dL (reference range: 700–1600 mg/dL), kappa: 68.30 mg/L

(reference range: 3.3–19.4 mg/L), and lambda: 145 mg/L (reference range: 5.71–26.30 mg/L). A bortezomib-lenalidomide-dexamethasone regimen was used for the treatment. The schedule of this regimen was on days 1, 4, 8, and 11: injection bortezomib 1.3 mg/m² IV, days 1–14: lenalidomide 25 mg orally daily, plus days 1, 2, 4, 5, 8, 9, 11, and 12: dexamethasone 20 mg orally daily. The cycle was repeated after 3 weeks for 2 cycles. We intended to give 4 cycles. However, after second cycle, the patient suffered pneumonia due to *Klebsiella pneumoniae* and could not be revived. IgA nephropathy is characterized by the mesangial and blood vessel deposition of IgA1.^[6] In IgA myeloma, the paraprotein is more commonly of the IgA1 than the IgA2 subclass, yet if there is renal involvement, it will typically be myeloma cast nephropathy with intratubular precipitation of excreted light chains and no evidence of glomerular immunoglobulin deposition or injury.^[3] Our patient had no features of myeloma cast nephropathy on renal biopsy but had mesangial proliferative glomerulonephritis (GN) with mesangial IgA deposition, which is a characteristic pattern of IgA nephropathy and HSP nephritis. In addition, IgA was the dominant immunoglobulin in all glomeruli. It was therefore not due to incidental deposition of IgA in a patient of myeloma but simultaneous occurrence of IgA nephropathy in a patient of myeloma. The reduction of hinge region O-glycosylation of the IgA1 molecule is involved in susceptibility to mesangial IgA deposition and to invoke an inflammatory response. If this glycosylation abnormality of IgA1 is an unusual event in IgA1 myeloma, this may explain why IgA nephropathy and HSP so rarely complicate IgA myeloma even when the circulating IgA burden is very high. The first patient was a 76-year-old man who had right-sided loin pain and back pain. Magnetic resonance imaging showed a tumor mass compressing the lower part of the thoracic spinal cord. A biopsy of the tumor disclosed atypical plasma cells in the infiltrate and clear cell clonality consistent with plasmacytoma. In addition, pathologic lytic areas were discovered in several bone structures. A monoclonal component consisting of IgG light chain was found in serum and bone marrow aspiration material that consisted of 10% of plasma cells confirming multiple myeloma. When serum creatinine increased to 2.32 mg/dL, after 5 years, a renal biopsy was done. It revealed increased mesangial cellularity and mesangial matrix and granular deposition of IgA in the mesangium together with mesangial positivity to kappa and lambda light chain. There

was no evidence of multiple myeloma. A year later, a second renal biopsy was done. It showed slightly more mesangial matrix material with no IgA deposits. There was no evidence of multiple myeloma in the second biopsy also. The patient received intensive bortezomib treatment. It resulted in recovery of kidney function.

86. Adverse drug reactions associated with Immunosuppressive Therapy in Kidney Transplantation patients as Addressed using Causality, Severity and Preventability Scales.

Maheesha L, Surya Durga Devi PS, Bogeswara Reddy P, Devi Priya T, Umamaheswara Rao K, Siva Kumar B.

J Hosp Pharmacy 2018;13:264-5.

Introduction: In the management of End Stage Renal Disease renal transplantation is considered superior to dialysis basing on patient outcomes and quality of life of standards. Prevention of organ rejection and reverse acute rejection is an important consideration in organ transplantation, this can be achieved by immunosuppressants. A large variety of immunosuppressants are available and it is proven that they produced desired immunosuppression. However, besides their immunosuppressant action, majority of drugs produce undesirable effects such as Adverse Drug Reactions (ADRs). As a result of which, patient quality of life will be compromised and also there will be an increase in healthcare cost as well. Aim: This present study aims to identify the pattern of ADRs associated with the immunosuppressants in patients who underwent Kidney transplantation. **Methodology:** A Retrospective, Observational Study performed over a period of six months at a tertiary care teaching hospital. All the post kidney transplant patients on immunosuppressive therapy attending the nephrology outpatient department in our institute were included in this study. Thus a total of 48 patients were included to study demographic characteristics, clinical patterns, causative drugs and comorbidities. **Results:** A total of 71 ADRs were reported in 48 patients, amongst the 71 ADRs, 65 ADRs were assessed as Probable/Likely and 06 ADRs were found to be Possible with immunosuppressant therapy. **Conclusion:** As Adverse Drug Reactions were most frequent and are severe in nature in few cases in patients with immunosuppressive therapy, a close monitoring and early diagnosis of culprit drug/s is highly recommended to prevent the serious outcomes.

87. Drug class distribution and Financial Burden for buying medicines in Different modalities of Chronic Kidney Disease Patients: Cross Sectional study.

Pavithra C, Harini Devi N, Lallith Kumar P, Lakshmi SN, Anitha K, Siva Kumar VB et al

Int J Pharm Pharm Sci 2018;10(6):165-70.

Objective: The objective of the study was to assess the pill burden (PB), drug class distribution and financial burden for buying medicines in different treatment modalities of chronic kidney disease (CKD) patients. **Methods:** A prospective, cross-sectional study was performed in 244 CKD patients and they were divided into 4 groups as follows: pre-dialysis patients (stages 1-5) as group 1, hemodialysis (HD) patients as group 2, peritoneal dialysis (PD) patients as group 3 and renal transplant recipient (RTR) patients as group 4. Data was collected in pre-designed form through direct patient interaction. **Results:** Out of 244 CKD patients, PB considering the total number of pills/d in different modalities is 12 ± 5 in pre-dialysis, 10 ± 3 in HD, 13 ± 5 in PD, 14 ± 7 in RTR and for the number of drug classes/d in different modalities is 7 ± 3 in pre-dialysis, 7 ± 2 in HD, 8 ± 3 in PD and 9 ± 3 in RTR. On average mean PB in a number of pills/d is 12 ± 5 and number of drug classes/d is 8 ± 3 . Among all the patients, the RTR individuals are having high medicinal expenditure in comparison to the other modalities. **Conclusion:** PB for the number of pills/d is highest in RTR and almost similar in different modalities. Great improvement in reducing the PB as well as financial burden directly or indirectly improves the patient compliance as well as the quality of life.

88. History of Neurosurgery at Sri Venkateswara Institute of Medical Sciences, Tirupati.

Vemula RC, Hanu G.

Neurol India 2019;67:207-17.

The history of the Department of Neurosurgery, at Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati, a leading tertiary care center in Andhra Pradesh, is presented. The inception of this department and its growth to its present stature is documented. The Department of Neurosurgery was started in 1993, and the residency program in 2003. It caters to a huge population from Andhra Pradesh, Tamil Nadu, and parts of Karnataka. The Tirumala Tirupati Devasthanams (TTD), the caretaker

of the Tirumala Venkateswara Swamy temple is a major stakeholder in SVIMS. The hospital provides quality health care without resulting in any financial burden to the patient.

89. A 21-year-old man, with ichthyosis, parotid swelling acute kidney injury.

Aruna M, Suguna E, Krishna Reddy M H, Anil Kumar C V, Lakshmi B S, Chandra VS et al.

J Clin Sci Res 2018;7:86-93.

A 21yearold man came to this hospital with persistent vomiting of about 20 days' duration. The vomiting was associated with nausea. The vomitus used to be small in quantity, nonbilious and contained particles of food that was previously ingested. There was no haematemesis or haematochezia. About 5 days before, the onset of the presenting complaint, he had lowgrade fever that lasted for about 7 days. A local doctor had prescribed painkillers for the fever. The patient was referred to this hospital because his renal parameters were found to be elevated. There was no history of cough, breathlessness, haemoptysis or swelling of the body. There was no history of oliguria, dysuria or graveluria. There was no history of epistaxis, joint pains, photosensitivity, hair loss or red eyes. He was not a diabetic or hypertensive. Neither was he an alcoholic or smoker. From his young age, skin is dry, rough, scaly and flaky. He has been using topical creams and emollients for this problem but never took any native medicine internally. One month before the present admission, he was treated by a physician for mumps. He had received antibiotics and painkillers then. From then, he also noticed hoarseness and breathy voice quality. On examination, his skin all over the body was dry. There were scratch marks. There was no facial puffiness or pedal oedema. There was no pallor, no jaundice, no cyanosis, no clubbing, no koilonychia or lymphadenopathy. His skin was dry, rough and scaly. The pulse was 90/min regular with no radiofemoral delay. BP was 150/90 mmHg in right upper limb with patient both in supine and erect postures. Respiratory rate was 28/min and temperature 98.6°F. There was no thyromegaly. Gastrointestinal system examination Oral cavity examination revealed redviolet submucosal nodules with superficial ulcers, nontender and circumscribed; pharynx: no abnormality and abdomen: All areas were moving equally with respiration, soft, no tenderness and no organomegaly. Respiratory system

examination Trachea central, no flattening or bulges on the chest wall, both sides of chest moving equally with respiration, resonant note on percussion all over the chest, vocal resonance is normal and equal on both sides, normal vesicular breath sounds, no crackles/rhonchi and no pleural rub heard. Cardiovascular system examination Apex beat is in 5th left intercostal space, halfaninch medial to midclavicular line, normal cardiac resonance, normal first and second heart sounds and no added sounds. Nervous system Conscious and coherent. All mental functions, (cranial nerves and vide infra), motor and sensory systems were normal. There were no cerebellar signs or signs of meningitis. Gait was normal. Skull and spine were normal. A few days after hospitalisation, it was noticed that his voice had turned hoarse. The hoarseness of voice worsened over the subsequent days. There was no difficulty in swallowing or speech. There was no nasal regurgitation of food while swallowing, deafness or a liability emotion. An ENT examination by indirect laryngoscopy revealed the left vocal cord palsy. The rest of cranial nerve examination was normal. In the meanwhile, as the patients renal status of the patient continued to deteriorate, he was taken up for haemodialysis. After he was adequately dialysed he was subjected to a diagnostic procedure. Some of his laboratory test reports are given in Table 1. Differential diagnosis (discussion by Dr M. Aruna, Postgraduate Junior Resident, Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati). The patient had the following clinical features and investigations results. From his young age, skin is dry, rough scaly and flaky, oral cavity examination revealed redviolet submucosal nodules with superficial ulcers, nontender and circumscribed, 1 month before the present admission, he was treated by a physician for 'mumps', from then he also noticed hoarseness and breathy voice quality, urine examination revealed pus cell cast, hypercalcaemia, hypercalciuria and raised serum creatinine and blood urea. The clinical condition which included all these features yields the diagnosis.

90. Unilateral graves' disease: The lesser known.

Manthri RG, Ajit N, Vaikakkara S, Devi B V, Kalawat T.

Indian J Nucl Med 2019;34:96-8.

Background: Here, we present a retrospective study conducted from 2009 to 2018, which showed the presence of unilateral uptake of radioactive tracer on ^{99m}Tc thyroid scintigraphy scan in 15 patients with Graves' disease.

Materials and Methods: All these patients had either clinical features of Graves' disease or elevated thyroid hormone levels along with ultrasonographic features, showing either normal thyroid gland or diffuse thyroiditis. The scintigraphic features revealed increased uptake in one lobe of the thyroid gland with the other lobe being normal. **Results:** Of the 15 patients, 13 were females and two were males. The mean age of the patients was 47 years with standard deviation of 3.4 years (range 26–70 years). Eight of the 15 patients had increased uptake on the right lobe and seven had increased uptake in the left lobe. **Conclusion:** This study shows that there exists an entity called unilateral Graves' disease which should be further evaluated.

91. Metachronous second primary malignancies in known breast cancer patients on 18F-fluoro-2-deoxyglucose positron emission tomography-computerized tomography in a tertiary care Center.

Manthri RG, Jeepalem SM, Krishna Mohan V S, Bhargavi D, Hulikal N, Kalawat T.

Indian J Nucl Med 2019;34:284-9.

Introduction: Breast cancer is the most common malignancy among women all over the world, which accounts to 25% of all cancers. In known cases of breast cancer, the risk of developing another denovo malignancy is more when compared to low risk groups, which might be due to common environmental risk factors, treatment induced risk factors, Genetic susceptibility for mutations, presence of cancer syndromes or better detection due to close surveillance. **Objective:** To study the profile of Metachronous 2nd primary malignancies suspected on 18F-FDG PET CT in known Breast cancer patients. In this Retrospective study from January 2014 to April 2018, all the consecutive patients with known Breast cancer, who were referred to Nuclear Medicine department for 18F-FDG PET CT for follow up evaluation were included. Suspected 2nd primary malignancies were correlated with Histopathological examination (HPE). **Results:** During the study period, a total of 233 Breast cancer patients (all are females), with a mean age of 54.2+13.4 years were studied. On 18F-FDG PET CT scan, suspicion for 2nd primary malignancy was observed in 37 patients. HPE was done in 28/37 patients at the site of suspected lesions. 15/28 were positive for second malignancy, and remaining 13/28 were either a benign pathology or a part of metastatic

disease from the primary breast cancer. The sites of 2nd primary malignancies included Contralateral breast in 8/15 (53.3%), Ovary in 2/15 (13.3%), Endometrium in 2/15 (13.3%), Lung in 1/15 (6.6%), Stomach in 1/15 (6.6%) and Urinary bladder in 1/15 (6.6%) patients respectively. The incidence of metachronous 2nd primaries in breast cancer is 67.3 per 1000 breast cancer patients. **Conclusion:** Metachronous second primary cancers in breast cancer patients are not very rare. A high imaging suspicion on 18F-FDG PET CT helps in early detection of 2nd primary cancer, thereby facilitating early and appropriate management.

92. Gall Bladder Activity on Technetium-99m-Ethylendicysteine Renogram Masquerading as Ectopic Kidney.

Aka S, Moulika SJ, Mohan KV, Priya RR, Manthri R, Kalawat TC.

Indian J Nucl Med 2019;34:57-9.

^{99m}Tc-EC (Technetium-99m-ethylendicysteine) is a renal tubular imaging agent introduced as an alternative to ^{99m}Tc-MAG3 (Technetium-99m-mercaptoacetyl triglycine) (1). This radiopharmaceutical can be easily labeled at room temperature and has high radiochemical purity and long stability for at least 8 h. Within 1 h 70% of ^{99m}Tc-EC is excreted in the urine (2). ^{99m}Tc-EC provides the same Scintigraphic information as ^{99m}Tc-MAG3. The Hepato biliary excretion of ^{99m}Tc-EC is very low and usually does not affect image interpretation on routine imaging, the possibility of visualization of the gall bladder should be kept in mind while reporting the 99mTc-EC renogram (1). We present a case of ^{99m}Tc-EC renogram, a suspected case of hypoplastic/ectopic right kidney, to look for ectopic kidney. In this case, there was unexpected visualization of gallbladder in delayed images. We herewith present this case, so that physician should be careful while reporting ^{99m}Tc-EC renogram, as there may be chances for gall bladder to be masquerading as Ectopic kidney.

93. Papillary carcinoma thyroid metastases presenting as thyrotoxicosis post thyroidectomy.

Krishnaja KS, Rallapeta RP, Shaik M. Manthri R, Vaikkakara S, Kalawat TC.

Indian J Nucl Med 2019; 34:134-36.

Thyrotoxicosis can occur in the setting of differentiated thyroid cancer due to functioning metastases. Here, we

report a case of a 63 year old woman with papillary carcinoma thyroid who underwent total thyroidectomy and defaulted for further scheduled treatment with high dose radioactive iodine therapy. 2 years after total thyroidectomy, she presented with signs and symptoms of thyrotoxicosis and a scalp swelling on the right side of frontal region. Excision biopsy revealed metastatic deposits of papillary carcinoma thyroid. Even after withdrawal of thyroxine, her serum thyrotropin did not rise and thyroglobulin levels were high, raising the suspicion of high volume tumour burden. I-131 whole body scan was done and it revealed radio iodine avid cervical lymph nodes along with functioning lung and skeletal metastases.

94. F-18 fluorodeoxyglucose positron emission tomography/computed tomography in the evaluation of intradiploic epidermoid cyst.

Medara ST, Manthri RG, VS KM, Shaik M, Kalawat TC.

Indian J Nucl Med 2019;34:51-3

Epidermoid cysts are benign rare congenital cysts which typically present between 3rd and 5th decade of life. They mostly arise from cerebellopontine angle or parasellar region, but sporadic cases arise from cranial dipole. Here, we present a case of 42-year-old female with painful soft swelling in the left frontal region, which on F-18 fluorodeoxyglucose (FDG) positron emission tomography-computed tomography is well-circumscribed non-FDG avid lesion. The patient underwent total resection of the cyst, and the defect produced by space-occupying lesion was repaired by cranioplasty.

95. Synchronous pancreatic solid pseudo papillary neoplasm masquerading as extra lymphatic involvement on 18F-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography in a case of Hodgkin's Lymphoma.

Teja Reddy SC, Reddy VV, Bhargavi D, Deepthi B, Tammineni S, Manthri R et al.

Indian J Nucl Med 2019;34:309-12.

Solid pseudopapillary neoplasm (SPN) is a rare histopathologic variant of pancreatic tumors. Franz first described this tumor as a "papillary tumor of the pancreas, benign or malignant." In 1996, the World Health Organization named this tumor as SPN of the pancreas. It has a female preponderance with a male-to-female ratio of 1:9. A 30-year-old female who is a known case of

lymphocyte-rich classic Hodgkin's lymphoma underwent 18F-fluoro-2-deoxy-D-glucose (FDG) positron-emission tomography/computed tomography (PET/CT) for initial staging which showed intense metabolic activity in bilateral enlarged cervical and splenic hilar lymph nodes. Furthermore, intense metabolic activity was noted in hypodense lesion in the tail of the pancreas, and she was reported to be having Stage IIIE disease. Post chemotherapy, 18F-FDG PET/CT showed disappearance of all previously metabolically active lymph nodes but persisting metabolically active lesion in tail of the pancreas. Hence, we reported as complete metabolic response of Hodgkin's lymphoma as per the Lugano criteria with suspected synchronous primary in the tail of the pancreas. Post distal pancreatectomy, histopathological examination and immunohistochemistry revealed the pancreatic lesion as SPN. SPN of the pancreas itself is a rare tumor and the presence of SPN in a patient with Hodgkin's lymphoma as synchronous primary is very rare. Due to the high density of mitochondria and the hypervascular nature of the tumor, there is an accumulation of 18F-FDG in SPN tumor cells. Patients with SPN usually have a very good prognosis after surgery. The five-year survival rate is as high as 95%-97%.

96. Unusual Metastases in Papillary Microcarcinoma of Thyroid.

Nimmagadda A, Mohan KV, Manthri R, Kalawat TC.

Indian J Nucl Med 2019; 34:32-4.

Papillary carcinoma thyroid is the most common type of thyroid cancer. Papillary thyroid cancer metastasizes commonly to regional lymph nodes, distant organ involvement is to lungs and bone are rare and is associated with poor prognosis. Metastases to intra-abdominal organs are extremely rare. Here, we report a case of 50-year-old female diagnosed with papillary microcarcinoma thyroid who initially treated total thyroidectomy, later presented with metastasis to liver, bone, left adrenal gland, and bilateral lungs. The functioning metastasis was diagnosed by Iodine-131 whole-body scan and later treated with radioiodine.

97. Study of variants of anterior ethmoidal artery on computed tomography of paranasal sinuses.

Amarnath SB, Kumar PS.

Int J Otorhinolaryngol Head Neck Surg 2019;5:19-23

Background: The anterior ethmoidal artery (AEA) is an anatomical landmark, its position is important for recognizing structures of difficult access (frontal sinus) and to define skull base in surgery. Additionally, visualizing this artery makes it possible to identify and treat causes of severe epistaxis. The aims and objectives of the study were to determine the reliability of identification of the AEA on the coronal CT scan, to study the variability in the pneumatization of the suprabullar recess and the course of the AEA and to determine whether a correlation exists between the pneumatization of the suprabullar recess and the distance of the AEA from the base skull. **Methods:** This study conducted among 200 Patients attending to ENT OPD, Yashoda hospital, Secunderabad with history of headache, nose block who underwent CT-PNS. Patients with age above 18 years without any congenital anomalies of face, without opacification in frontal recess or anterior ethmoidal cells, without nasal surgeries or trauma were included in the present study. All the 200 CT-PNS were studied in detail by using PACS and DICOM software. **Results:** In this study AEA was present in 100% of cases on both sides. In this study AEA was seen in skull base in 50.75% of cases, among this 51% was on right side, remaining was on left side. **Conclusions:** CT-PNS coronal sections are helpful in assessment of AEA position pre-operatively. AEF and AES act as important landmarks for the identification of AEA in CT-PNS.

98. Anthropometric Measurements –A study on Option for identification of small babies in need of extra care – Paediatric Review.

Sudha Priya P, Rinu D, Anusha D, Sharma KVS.

Int J Pharm Res 2019;6:35-41.

Introduction: A large number of babies born in India and many developing countries are born at home and majority of them have no access to scales or other means by which they can be identified as LBW. The aim of our study was to determine the correlation of chest circumference and foot length with birth weight and gestational age and to determine the most sensitive and specific cut-off values for detection of Low birth weight and preterm babies using foot length and chest circumference. **Methods:** This was a prospective observational study done at a tertiary care centre in south India. We analyzed 1000 newborn babies within 24 hours of birth. For each baby we measured 1. chest circumference (CHC), 2. Foot length (FL), 3. Weight

(BW) and 4. Gestational age (GA). Babies were classified according to GA (pre-term/term) and BW (kg) as Very Low Birth Weight (VLBW) (<1.5kg), Low Birth Weight (LBW) (1.5-2.5kg) and Normal Birth Weight (NBW) (>2.5kg). **Results:** Significant positive correlation of 0.921 was found between FL and BW ($p < 0.001$). The two ROC curves for FL and CHC were close to each with AUC 0.982 and 0.969 respectively and difference in the areas was statistically significant ($Z = 4.303$, $p < 0.0001$) which suggested that FL was better indicator of BW. FL ≤ 6.4 cm predicts VLBW; between 6.4cm and 7.3cm predicts LBW and > 7.3 cm predicts NBW. For estimating preterm birth FL cut off was ≤ 7.1 cm. **Conclusion:** FL and CHC both can be used as predictor for BW and GA estimation and FL was more appropriate than CHC considering its ease of measurement also. Screening of babies who are in need of extra care can be done using our cut off values and this can help in reducing neonatal mortality by early referrals.

99. A clinical study of new onset seizures in children aged 3-12 years.

Dwivedi R, Priya PS, Padmavathi P.

Int J Contemp Pediatr 2019;6:774-80

Background: Seizures are common in pediatric age group and less than 1/3rd of seizures in children are caused by epilepsy. Aim of present study was to analyze the etiological factors and clinical profile of new onset seizures in children aged 3-12 years. **Methods:** This was a prospective study done at a tertiary care center of south India. Authors analyzed 98 children aged 3-12 years presenting with new onset seizures. Proper history and investigations including EEG, and CT brain were done to confirm the etiology. **Results:** Out of 98 children 51 were 3-5 yrs of age and 47 were 6-12 years. 66.3% had generalized seizure and 33.6% had partial seizure. Partial seizure were more common in 5-12 years of age. Intracranial infections were the leading cause (73/98) which included neurotuberculosis (26/73), NCC (20), bacterial meningitis (12), cerebral malaria (8) and viral encephalitis (7). Intracranial infections were the leading cause in both age groups. Space occupying lesions were more common in 6-12 years (46.8%) as compared to 3-5 years (19.6%). NCC and Tuberculoma were the leading CT findings in both age groups. There was significantly high incidence of focal EEG changes in partial seizure group compared to generalized seizure group. **Conclusions:** Intracranial infections were leading cause of new onset seizures

especially GTCS. Good clinical evaluation and judicious use of investigations should be ensured. CT brain and EEG are more likely to be informative in partial seizures than in generalized seizures.

100. Epidemiological analysis of central nervous system tumors in pediatric patients from a tertiary care centre in India.

Dwivedi R, Sudhapriya P, Padmavathi P, Sharma V, Rameshchandra VV, Prasad BCM.

Int J Contemp Pediatr 2019;6:2697-703.

Background: Tumors of the nervous system are the second most common childhood cancer after leukemia. The diagnosis of CNS tumors is challenging due to non-specific symptoms in children which mimic other less serious illness. **Methods:** This was a retrospective analysis of case records of patients from 0-18 years of age, who were diagnosed with CNS tumors for a period of 7 years. **Results:** Out of total 64 patients included in this study, 32 were females and 24 were males. The mean age was 13.2 years. The most common clinical presentation in patients with brain tumors was headache (92.3%) followed by visual symptoms in the form of blurring or loss of vision (42.3%) and swaying while walking (32.6%). The overall mean symptom interval for all patients was 274.8 days (approx. 9 months) ranging from 7-1820 days. In the present study out of total 64 patients, 54 were brain tumors (35 supratentorial and 19 infratentorial) and 10 were spinal tumors. The most common tumor location was cerebellum (21.8%) followed by cerebral cortex, spine and sellar area. Based on histopathology the most common tumor type in our study was astrocytoma. There was no significant correlation of symptom interval with age and gender but was significantly associated with location and tumor grade. **Conclusions:** Early referral to centers with appropriate facilities will help, as many pediatric CNS tumors are low grade with better survival.

101. Study of immunohistochemical profile of nodal Non-Hodgkin Lymphoma in a tertiary care centre.

Archita P, Rukmangadha N, Amit kumar C, Aruna Kumari P.

Int J Sci Res 2019; 8:68-72

Background: According to World Health Organization (WHO) lymphomas are classified into Hodgkins lymphoma and Non-Hodgkin lymphoma. Non-Hodgkin lymphoma

is further subclassified based on the stage of maturation and cell of origin. **Materials and Methods:** The immunohistochemical profile of nodal Non-Hodgkin lymphoma (NHL), using CD3, CD5 (T cell lineage), CD19, CD20 (B cell lineage) CD10, CD23, CD30, CD43, CD79a, Bcl2, Bcl6, ALK, EMA and Cyclin D1 was done to categorize and validate nodal NHL. **Results:** Morphological diagnosis on haematoxylin and eosin staining of 41 cases of nodal NHL, 31 were diffuse type, five small lymphocytic lymphomas and five follicular lymphomas. After IHC, 30 cases were DLBCL, four follicular lymphomas, three small lymphocytic lymphomas, three mantle cell lymphomas and one peripheral T cell lymphoma not otherwise specified. **Conclusion:** Lymphomas can be diagnosed on morphology, and with the application of monoclonal antibodies and identification of immunophenotypic profile, enhances the diagnostic accuracy and reproducibility.

102. Utility of Squash Cytology in Diagnosing CNS Lesions.

Suguna B, Amit Kumar C, Rukmangadha N, Prasad BCM, Aruna Kumari Prayaga.

Int J Sci Res 2019;8:15-9.

Background: The different modalities used for intraoperative consultation of CNS lesions are squash smear cytology, frozen sections and cytology. The intraoperative diagnosis of squash cytology enables the surgeon to take decision regarding treatment. Squash technique requires small sample size, needs minimal technical equipment, is less expensive and gives better morphological detail. The present study was taken to assess the diagnostic accuracy of intraoperative squash cytology of CNS lesions. **Material and Methods:** It is a prospective study conducted for one and half year in the department of Pathology. All lesions of brain and spinal tract comprised the study group. The stain used for squash cytology was rapid haematoxylin and eosin. The squash diagnosis was compared with gold standard histopathology. **Results:** Total 96 cases were studied. Male to female ratio was 1.13:1. The overall concordance rate was 89.13% (including both complete and partial agreement cases). Good correlation was noted in diffuse astrocytoma (100%) and least correlation was noted in anaplastic oligodendroglioma (28.5%). **Conclusion:** Squash cytology is a rapid and simple technique for intraoperative diagnosis with high overall accuracy.

103. Clinicopathological and immunohistochemical study of gastrointestinal stromal tumours: A series of 46 cases from a single institution.

Deepthi B, Kumari Prayaga A.

Indian J Pathol Oncol 2019;6:658-70.

Introduction: Mesenchymal tumours of gastrointestinal tract are a heterogeneous group of nonepithelial tumours of variable mesenchymal cell histogenesis. Gastrointestinal stromal tumour (GIST) is the most common primary mesenchymal tumour of the gastrointestinal tract and spans a clinical spectrum from benign to malignant. This study evaluated the clinicopathological morphological and immunohistochemical features of GIST of the intestinal tract. **Materials and Methods:** All evaluable cases of mesenchymal tumors of the gastrointestinal tract were studied from January 2007 to December 2012. Tissue microarray was constructed and Immunohistochemical expression of CD 117, CD 34, DOG1, SMA, S100, Ki 67 were studied. **Results:** Gastrointestinal stromal tumours were the most common mesenchymal tumours of the gastrointestinal tract accounting to 77.96%. The median age of presentation was 51 years with near equal sex predilection with early clinical presentation. The gastric tumours were of significantly bigger size with increased expression of CD 34. Majority of tumors were of bigger size (>10 cm, 47%) thereby increased number of tumours in high risk category (76%). Spindle cell pattern was the most common morphology (69.5%). Epithelioid histology was significantly associated with pleomorphism and atypia (p value – 0.029). Inclusion of anatomic site into the risk category will help in better stratification. High risk tumours showed significant areas of necrosis when compared with low risk tumours (p value- 0.0156). Tumours of older age group (>40 years) showed significant mitotic activity (p value 0.04). DOG1 is a very sensitive (97.8%) marker for GIST. A wide immunopanel with emphasis on DOG 1 positivity for precise diagnosis of GIST and classification of mesenchymal tumors of the GI tract.

104. Analysis of spontaneously reported cutaneous adverse drug reactions in a tertiary care teaching hospital in South India.

Vijaya Chandra Reddy K, Durga Devi SSP, Surekha A, Subash KR, Umamaheswara Rao K.

Int J Basic ClinPharmacol 2019;8:27-33.

Background: Skin is the most common organ involved in adverse reactions due to drugs. With newer drugs released into market every year, there is changing pattern of the reported cutaneous adverse drug reactions (ADRs). In order to ensure safer use of medicines in patients, there is need for continuous monitoring of ADRs. This is a retrospective study to analyse spontaneously reported cutaneous ADRs. **Methods:** All the cutaneous ADRs reported between January 2017 and September 2018 were analysed for clinical patterns, suspected medications, causality, severity and preventability. **Results:** Of the 1035 reports received during the study period, 232 (22.41%) included cutaneous reactions. 113 (48.7%) were male and 119 (51.29%) were female. Maculopapular rash 70 (30.17%), pruritus 31 (13.36%), palmar plantar erythrodysesthesia 30 (12.93%), acne 19 (8.19%), urticaria 16 (6.89%) and fixed drug eruptions (FDE) 13 (5.6%) were the common clinical patterns. Antimicrobial agents followed by anticancer drugs, nonsteroidal anti-inflammatory drugs (NSAIDs), hormones and related drugs, and antiepileptic drugs were the common suspected group of drugs. Causality assessment as done by WHO-UMC scale showed that 3 (1.29%) were certainly related, 174 (75%) were probably related and 55 (23.7%) were possibly related to the suspected medication. **Conclusions:** Cutaneous ADRs are most frequently reported ADRs in the present study. With newer drugs released into market, there is a need for continuous monitoring of use of drugs to promote safer use of medicines in patients.

105. A comparative study of two small group teaching methods - tutorials and seminar - as a supplement to lecture classes for 1st year MBBS students.

Bhide A, Singh BS.

Int J Med Sci Public Health 2019;8:259-63.

Background: Medical schools in India are changing their educational programs and teaching strategies to ensure that students have active responsibility for their learning process and are prepared for lifelong, self-directed learning. Small group teaching (SGT) is one such tool which helps to make learning process student-centered. In this study, we have assessed the effectiveness of SGTs as a supplement to didactic lecture (DL). **Objective:** The objective of the study was to compare the effectiveness of tutorials versus seminar as a supplement to lecture class. **Materials and Methods:** In Department of Physiology,

SVIMS, Sri Padmavathi Medical College for Women, a DL class on a topic was taken for 150 1st year MBBS students which were followed by tutorials for one half of students and seminar for other half of students on the same topic. It was done for two topics. An assessment was done each at the end of DL, tutorials, and seminar. Students were also asked to fill a feedback questionnaire about the SGTs on a Likert scale. **Results:** Tutorials showed statistically significant increase in scores in both the topics (6.955 ± 1.83 , $P = -0.012$ and 6.65 ± 1.78 , $P = 0.006$) whereas seminar showed statistically significant increase in only the first topic as compared to DL (6.84 ± 1.77 , $P = 0.013$ and 6.27 ± 2.09 , $P = 0.25$). There was no significant difference in scores between tutorials and seminar. Likert scale showed positive feedback about SGTs and students wanted more such sessions. **Conclusions:** Since there was a positive response from students regarding SGTs as a supplement to DL, we would like to adopt a mixed approach with SGT as a component of the overall course to ensure knowledge acquisition and retention by the students.

106. Assessment of phagocytic activity of polymorphonuclear leukocytes in hospitalized patients with Stages 4 and 5 chronic kidney disease.

Bhide A, Kalawat U, Vishnubhotla S.

Natl J Physiol Pharm Pharmacol 2019;9(12):1172-5.

Background: Infections are the main reason for hospitalization and the second common cause of death in chronic kidney disease (CKD) patients. Infections develop primarily as a consequence of deranged innate immunity. In this study, we assessed the efficiency of phagocytic function of polymorphonuclear (PMN) leukocytes in severe CKD patients. **Aims and Objectives:** The aims of the study were (i) to assess the phagocytic index and lytic index of PMN leukocytes (PMNLs) in stages 4 and 5 CKD patients. (ii) To compare the above indices with healthy age and sex-matched controls. **Materials and Methods:** The study was carried out in 60 adults in the age group of 18–60 years of which 30 were CKD patients in stages 4 and 5 taking conservative treatment (not on dialysis) and other 30 were age and sex-matched controls. After screening for inclusion and exclusion criteria, 5 ml of venous blood was collected and taken immediately for evaluation. Phagocytic index which is the number of neutrophils positive for ingested microbes per 100 neutrophils and lytic index which is the total number of

microbes per 100 cells were calculated. These are indices of neutrophil functioning. **Results:** Statistically significant decrease in both phagocytic index and lytic index were found in stages 4 and 5 CKD patients as compared to controls. **Conclusion:** In the present study, we were able to establish that phagocytic capacity of PMNLs is adversely affected in severe CKD patients. This gains importance in the light of immune dysfunction being considered as a major cause of premature deaths resulting from infections in severe CKD.

107. Evaluation of head injuries with skull fractures in homicidal deaths.

Sunil Naik G, Rupeshkumar.

PIJR 2019;8:39-40.

The present prospective study aims to establish the incidence and patterns of head injuries with skull fractures in homicidal deaths which were subjected to post-mortem examination in the mortuary of a tertiary teaching hospital for a period of two years. The study revealed that among the 10040 autopsies conducted in the study period, homicidal deaths accounted to 120 (1.2%) cases. The various patterns and fracture types along with some demographic patterns were discussed.

108. Utility of serum total and free prostate-specific antigen in combination with serum carbohydrate antigen 15-3 and carcinoembryonic antigen in breast tumours.

Swathi P, Lakshmana N, Rama K, Bitla A R, Srinivasa Rao PL, Narendra H, Mutheeswaraiyah Y, Lakshmi AY, Phaneendra B V.

J Clin Sci Res 2018;7:159-64.

Background: Prostate Specific Antigen (PSA) is secreted by prostate gland as well as hormonally regulated tissues such as breast, ovaries and endometrium. We aimed to assess the utility of serum total and free PSA in combination with carcinoembryonic antigen (CEA) and carbohydrate antigen 15-3 (CA 15-3) in diagnosis of breast cancer. **Methods:** Seventy two female patients (38 with benign breast disease and 34 with malignant breast disease) who were histologically, cytologically confirmed with diagnosis of primary breast tumours were investigated. Serum total prostate specific antigen (PSA), Free PSA, CEA, CA 15-

3 were analysed by enzyme linked immunosorbent assay (ELISA) method. Diagnostic performance of markers was studied using receiver operating characteristic curve and logistic regression analysis. Sensitivity, specificity, positive predictive value (PPV) and negative predictive value (NPV) were calculated. **Results:** Patients with malignant breast cancer had significantly higher levels of all tumour markers compared to benign breast tumours. A significant decrease in total PSA, CEA and a statistically insignificant decrease in free PSA concentrations were seen in malignant breast cancer patients after surgery. Performance of total PSA was best among all the markers with 100% sensitivity, NPV, 94.7% specificity and 94.4% PPV. **Conclusions:** Serum total PSA is a good diagnostic marker to differentiate benign breast disease from malignant tumours compared to currently used CEA and CA 15-3.

109. Utility of Ultrasound and Doppler Measurements in Haemodialysis Arterio Venous Fistula Maturity Assessment.

Pavan Kumar G.Kale, Lakshmi AY, Siva Kumar V, Anil Kumar.

Int J Sci Res 2019; 8:38-41.

A substantial proportion (28%–53%) of Arteriovenous Fistula never matures adequately. However, if there is any doubt about maturation, the fistula should be evaluated by ultrasound. With US showing evidence of stenosis or multiple draining venous branches and thrombosis, will help to undergo early intervention. Ultrasound minimum venous diameter and blood flow volume measured at 1-2 months with cut-off of flow volume of 500-600 ml/min, calibre up to 4-5mm, can be used to accurately assess the likelihood of maturation. If findings indicate the fistula is unlikely to mature, a new permanent access can be placed, thus reducing the waiting time.

110. Fetal transcerebellar diameter to abdominal circumference ratio (TCD/AC) and to femur length ratio (TCD/FL) in the assessment of normal fetal growth.

Hussain KA, Kadiyala S, Lakshmi AY, Hindumathi M.

J NTR Univ Health Sci 2019;8:5-10.

Context: Intrauterine growth retardation (IUGR) is a

major risk factor for perinatal mortality and morbidity, and its early detection is useful in deciding frequency of antenatal surveillance, optimal delivery timing, and early neonatal management to avoid perinatal mortality and morbidity. Most of the parameters for detection of IUGR are gestational age dependent. Transcerebellar diameter to abdominal circumference ratio (TCD/AC) is a gestational age independent parameter. IUGR due to uteroplacental insufficiency can present as isolated femur length reduction. So, transcerebellar diameter to femur length ratio (TCD/FL) can be useful in early detection of IUGR. **Aims:** To evaluate the accuracy of TCD/AC and utility of TCD/FL in normal pregnancy at varying periods of gestation and to derive a cut-off value for assessment of fetal growth. **Materials and Methods:** In this prospective study, 200 patients with cumulative ultrasound age (CUA) between 14-40 weeks. Routine ultrasound parameters and transcerebellar diameter were measured. TCD/AC and TCD/FL was calculated in all patients and for individual subgroups formed according to CUA. **Statistical Analysis:** Mean and standard deviation, 3rd, 50th and 97th percentile for TCD/AC and TCD/FL was determined for all patients to determine age specific cut off values. Relationship between continuous variables is studied using correlation and simple regression. **Results:** In our study, TCD with AC and FL show strong correlation throughout pregnancy. TCD/AC dispersed normally with mean value of 14.013 and SD of 0.738 and cut off value is 15.49. TCD/FL is dispersed normally throughout pregnancy with mean value 64.592 and SD of 3.998. TCD/AC, TCD/FL in subgroups also shows similar mean and SD as compared to entire study population. **Conclusion:** A cut off value of mean \pm SD (15.49), (72.588) for TCD/AC and TCD/FL could be used as a growth parameter for detection and determine the severity of IUGR.

111. Utility of multidetector computed tomography features in differentiating inflammatory and malignant bowel wall lesions.

Pooja B P, Pavankumar G Kale

Int J Sci Res 2019;8:4-7.

In our study 54% cases were malignant and 46% were inflammatory/ infectious. Large bowel was involved in 55% of cases, small bowel in 20% and 25% involving both small and large bowel. 77.7% of the small bowel lesions were seen to involve the ileum. In the large bowel, predominantly the cecum (42.5%), ascending colon

(36.2%) and recto sigmoid colon 948.7%) were involved. Segmental or diffuse, symmetric, mild circumferential thickening with target sign was sensitive and specific for inflammatory lesions. Tuberculosis presents as symmetric or asymmetric. Focal, asymmetric, mild –marked, circumferential, eccentric or exocentric thickening with loss of stratification and grey attenuation was sensitive and specific for malignant lesions.

112. Utility of ultra sound and doppler measurements in hemodialysis arterio venous fistula maturity assesment

Pavankumar G Kale, Lakshmi A Y, Siva Kumar V, Anil Kumar N.

Int J Sci Res 2019;8:38-41.

A substantial proportion (28%-53%) of Arteriovenous Fistula never matures adequately. However, if there is any doubt about maturation, the fistula should be evaluated by ultrasound. With US showing evidence of stenosis of multiple draining venous branches and thrombosis, will help to undergo early intervention. Ultrasound minimum venous diameter and blood flow volume measures at 1-2 months with cut-off of flow volume of 500-600 ml/min, calibre up to 4-5mm, can be used to accurately assess the likelihood of maturation. If findings indicate the fistula is unlikely to mature, a new permanent access can be placed, thus reducing the waiting time.

113. Morphometric study of posterior cranial fossa using computerized tomographic (ct) images morphometric study of posterior cranial fossa using computerized tomographic images.

Hemalata R, Subhadra Devi V, Lakshmi AY, Thyagaraju K, Pavan P H.

Academia Anatomica Int 2019;5:1-5.

The posterior cranial fossa is the largest and the deepest of the three fossae. Contents of posterior cranial fossa include occipital part of cerebral hemispheres, cerebellum, midbrain, pons and medulla oblongata. Variations in the volume of posterior cranial fossa may cause compression of these structures which may lead to various disorders. There is increasing evidence on the diagnostic potential of posterior cranial fossa measurements. The present study on morphometry of posterior cranial fossa based on CT images of patients without any clinical abnormality was undertaken for the first time in south Indian population.

114. Diffusion weighted MR imaging in the diagnosis of acute pyelonephritis and its complications: A prospective observational study

Bhaskara Rao SR, Vijayalakshmi Devi B, Lakshmi AY, Anil Kumar N, Siva Kumar V.

J NTR Univ Health Sci 2019;8:170-4.

Introduction: In diagnosing complicated pyelonephritis, imaging is essential for which traditionally computed tomography (CT) has been in use but in renal failure patients contrast enhanced CT can't be performed due to elevated serum creatine levels. This can be overcome with the help of Diffusion weighted (DW) magnetic resonance imaging (MRI). **Purpose:** To assess the morphological changes and signal abnormalities, in kidneys in patients with acute pyelonephritis (APN) on conventional MRI and DWI and to measure the ADC values in areas of abnormal signal intensity in DWI so as to differentiate between abscess and nephritis. **Materials and Methods:** In our study, 32 patients with clinical and laboratory diagnosis of pyelonephritis underwent conventional and Diffusion weighted MRI. Diffusion images were obtained by using a non-breath-hold, single-shot echo-planar sequence with b values of 50/400/800 s/mm². Circular regions of interest were drawn in the areas of normal renal parenchyma, nephritis and abscesses. The ADC values of three tissue types were compared by using the paired *t*-test and ANOVA. *P* value < 0.001 was considered to be statistically significant.

Results: In our study, areas of normal renal parenchyma showed ADC values of $(1.83 \pm 0.06) \times 10^{-3} \text{ mm}^2/\text{s}$ while areas of nephritis had ADC values of $(1.20 \pm 0.08) \times 10^{-3} \text{ mm}^2/\text{s}$ which was significantly lower ($P < 0.001$). Also, significantly lower ADC values of $(0.77 \pm 0.05) \times 10^{-3} \text{ mm}^2/\text{s}$ were found in abscesses, when compared to nephritis and normal renal parenchyma. **Conclusion:** Diffusion weighted MR imaging is useful to diagnose abscess formation in patients with pyelonephritis without using IV contrast medium.

115. Perfusion-weighted imaging in differentiating ring-enhancing lesions in brain

Venkat Choudary G P, Lakshmi AY, Vijaya Lakshmi Devi B, Ramesh Chandra VV, Naveen T, Amit Kumar C

J NTR Univ Health Sci 2019;8(30):162-9.

Context: Ring-enhancing lesions in the brain always raise questions among radiologists and given the many possible differential diagnosis, it may sometimes be difficult to reach a diagnosis with conventional magnetic resonance imaging (MRI). The introduction of advanced imaging techniques, such as perfusion- and diffusion-weighted imaging, has contributed to the differentiation. **Aim:** The aim of the study was to differentiate various ring-enhancing lesions in the brain using perfusion-weighted imaging (PWI) on the basis of relative cerebral blood volume (rCBV).

Materials and Methods: This prospective study was conducted on 39 consecutive patients, from rural and suburban areas of Tirupati, in the time frame of 14 months and included neoplastic (24 cases) and infectious (15 cases) lesions showing ring-shaped contrast enhancement on conventional MRI. PWI was performed and the rCBV values were obtained. The final diagnosis was made by histopathology of surgical specimen (in operated cases) and on response to treatment in the form of symptom improvement and lesion clearance on follow-up imaging (computed tomography or MRI) done at 1–6 months after appropriate therapy in unoperated cases. **Results:** Neoplastic lesions had higher rCBV values (5.04 ± 1.86) than infectious lesions (0.90 ± 0.43) ($P < 0.001$). When using an rCBV value, 1.95 as the parameter to define neoplastic lesions, the sensitivity of the method was 95.8% and the specificity was 93.3%, with a positive predictive value of 96%, a negative predictive value of 94%, and an accuracy of 97.4%. **Statistical Analysis:** We compared the rCBV values between the two groups using Student's *t*-test. We used receiver operating characteristic curve analysis to assess the performance of the diagnostic test.

Conclusion: PWI is an efficient advanced imaging technique in ring-enhancing brain lesions and is a useful complementary tool to routine structural MRI in distinguishing between infectious and neoplastic brain lesions.

116. Sonourethrography in evaluation of anterior urethral abnormalities and comparison with retrograde urethrogram.

Anil C, Devi B V, Lakshmi A Y, Kumar N A, Rukmangada N.

J Clin Sci Res 2019;8:83-8

Background: Sonourethrography (SUG) offers important technical advantages over conventional retrograde urethrography (RGU) by estimating the length of strictures,

degree of spongiofibrosis which could be more informative in making decisions about management. The present study is intended to evaluate the role of SUG in investigating anterior urethral abnormalities and comparison of SUG with RGU and per-operative (PER-OP) findings.

Methods: All 31 patients had undergone RGU first and then followed by SUG. The findings of both examinations were tabulated and compared with per-operative findings.

Results: Total number of pathologies detected in RGU, SUG and PER-OP are 45, 53 and 53, respectively. In detecting strictures, the overall sensitivity is 97% and 100%, specificity 50% and 66%, positive predictive value 94% and 97%, negative predictive value 66.6% and 100%, accuracy is 92% and 97% and Cohen's Kappa is 0.53 and 0.78 for RGU and SUG, respectively. The mean length of stricture calculated on SUG was closer to that of surgery when compared with RGU. The percentage sensitivity and accuracy of SUG in detecting spongiofibrosis is 94.7%. The accuracy of RGU and SUG in detecting urethritis is 47% and 94%.

Conclusions: SUG gives more accurate information about stricture length and periurethral fibrosis, thus is more useful to determine the suitable operative procedure.

117. A prospective randomised study on comparison of weekly versus 3 weekly cisplatin chemotherapy as an adjunct to radiotherapy in treatment of carcinoma of the uterine cervix.

Anusha KV L, Das P, Swapna J, Jena A, Radhika K, Rao B S, Kuna J, Jagannathrao Naidu K V, Subramanian B V.

J Clin Sci Res 2018;7:12-8.

Background: The present study attempted to compare concurrent weekly and three weekly cisplatin with radiotherapy in locally advanced cervical cancer.

Methods: This prospective randomised study was conducted in 40 patients with locally advanced cervical cancer randomised into 2 arms. Arm A patients received external beam Radiotherapy (EBRT) to pelvis with concurrent weekly cisplatin at dose of 40 mg/m^2 and arm B patients received EBRT to pelvis with concurrent cisplatin at dose of 75 mg/m^2 three weekly followed by brachytherapy. Acute haematological, gastrointestinal (GI) and genitourinary toxicities and response rates were assessed. **Results:** All the patient and disease characters were comparable in both arms. There was no significant difference in both arms in terms of upper GI toxicity (75% Vs 80%; $P = 0.208$), haematological (25% Vs 10%; $P =$

0.195) and nephrotoxicity (10% Vs 25%; $P = 0.212$). Compliance to chemoradiation was better in three weekly cisplatin arm but not statistically significant. After a median follow up of 12 months, tumor response rates in both arms were almost similar (85% Vs 90%; $P = 0.128$).

Conclusions: Our observations suggest that either concurrent weekly or three weekly cisplatin chemoradiation is equally effective in treatment of cervical cancer. However randomised trials with larger sample sizes and longer duration of follow up are required.

118. A Prospective Randomised Study of Comparison between Conventional and Accelerated Fractionation Radiotherapy in Treatment of Head and Neck Cancers.

Hemanth M, Subramanian BV, Pranabandhu D, Swapna J, Lakshmi AY.

J Clin Diagn Res 2019;13:5-9.

Introduction: Treatment of locally advanced lesions of head and neck cancers include combined modality approach such as surgery, Radiotherapy (RT) and chemotherapy. The prognosis of patients with locally advanced head and neck squamous cell cancer (LAHNSCC) is poor and five year survival rate with conventional RT is 40-50%. Hence the realisation that conventional fractionation may not be the best fractionation for all situations have led to the concept of altered fractionation in RT. **Aim:** To compare feasibility, tolerability and efficacy of accelerated fractionation with conventional fractionation schedules in RT of head and neck cancers in terms of response to treatment, acute and late radiation induced toxicities and disease free survival. **Materials and Methods:** During the time period between March 2015 and March 2017, 68 patients with squamous cell carcinoma of head and neck were recruited into the study and divided into two arms, arm A (five fractions per week) and arm B (six fractions per week). Concurrent chemotherapy with weekly cisplatin 40 mg/m² was given to patients in both the arms who were medically fit for chemotherapy. **Results:** Final analysis was done in 62 patients (32 patients in arm A and 30 patients in arm B). On first follow-up, 68% had complete response in conventional RT arm, 96% had complete response in accelerated RT arm ($p=0.003$). At median follow-up of 17 months, loco-regional control rates were 86% in conventional RT arm compared to 90% in accelerated arm. Disease free survival was slightly more in accelerated RT arm compared to conventional arm. This difference was

not statistically significant ($p=0.59$). Acute complications were slightly more in the accelerated RT arm than those of conventional fractionation arm. Grade 2 and grade 3 skin reactions were higher in accelerated arm compared to conventional arm (89% vs. 61%; $p=0.38$). Acute grade 2 and grade 3 mucositis was also higher in accelerated arm compared to conventional arm (99% vs. 75%, $p=0.49$). Radiation induced late morbidity did not differ significantly between the groups. **Conclusion:** Accelerated fractionation can be considered as an alternative treatment strategy to conventional fractionation which is radiobiologically superior and is beneficial for centers where the patient load is much higher than the facility available.

119. Metachronous carcinoma cervix in a treated case of Non-Hodgkins Lymphoma – A rare case report.

Masthan BP, Das P, Subramanian BV, Ranadheer Gupta M, Chowhan AK, Kadiyala S, Rukmangadha N, Nagaraja M.

Int J Health Clin Res 2019;2:24-8.

The prevalence of Non-Hodgkin lymphomas (NHL) survivors is increasing because of the advances in multimodality treatment approaches which later has become the reason for various late side-effects especially secondary malignant neoplasms. Among these secondary malignancies gynaecological cancers are rarely found in literature. Here we report one previously treated case of NHL in a middle aged female who later developed carcinoma cervix as a metachronous second primary malignancy.

120. A prospective study on the assessment of the quality of life in patients with locally advanced carcinoma cervix pre and post chemo-radiotherapy.

Subramanian NK, Das P, Haritha A, Ravi kishore V, Reenaz N, Srilatha V, Balaji A, Subramanian BV.

Int J Pharma 2019;11:700-5.

The objective of the present work is to explore the quality of life (QoL) among women affected by cervix cancer both before and after treatment with chemoradiotherapy, to investigate various factors influencing the QoL among these women and to assess the effect of treatment modalities on the QoL. This prospective study covered thirty two newly diagnosed locally advanced carcinoma cervix

patients (FIGO IB2-IVA) in the department of radiation oncology, Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati, India. Patients who met inclusion criteria were questioned with the structured questionnaire of QoL i.e European Organization for Research and Treatment of Cancer (EORTC) QLQ30, and its Cervical Cancer Module (Cx24) was employed to assess the QoL before treatment and four months after completion of the planned chemoradiotherapy treatment. The mean global health score, post treatment was 60.48 whereas pre-treatment score of 99.85. This is statistically significantly. Various measured parameters of QoL such as physical, role, emotional, cognitive and social functioning improved significantly ($p < 0.05$) behind the treatment. Loss of appetite, fatigue, nausea, vomiting, pain, constipation, insomnia improved significantly ($p < 0.05$), but no significant improvement observed for dyspnea. There was a significant change in cervical cancer related symptoms score (EORTC QLQ CX-24) such as decrease in burning micturition, sexual activity, and vaginal discharge after treatment which were statically significant. But the painful sexual activity did not change significantly. The Quality of life was improved significantly after using chemo-radiotherapy in newly diagnosed locally advanced carcinoma cervix patients. Improvement was also exhibited on the five functional scales of EORTC QLQ-C30. To facilitate further improvement of QoL, the proper psychological, social assistance and awareness about various self-limiting complications to allay fear and anxiety of the patients may be needed.

121. Relevance of peripheral eosinophilia in chronic pancreatitis.

Vutukuru VR, Rao RRV, Mathai V, Settipalli S.

Int Surg J 2019;6:523-6.

Background: Eosinophilia in peripheral blood has been observed in few patients with chronic pancreatitis (CP) but the clinical significance and the causes are not well understood. The aim was to analyse the features of CP in patients with and without eosinophilia and compare both groups and assess its significance. **Methods:** All patients diagnosed to have CP during period June 2009 to July 2012 were included in the study. Patients were divided into two groups based on eosinophil count in peripheral blood. Those with eosinophil count $> 0.6 \times 10^9/L$ (6%) were considered

as having eosinophilia. Author had analyzed and compared the clinical features of CP in patients with and without eosinophilia. **Results:** There were 28 (24.56%) patients with eosinophilia among 114 CP patients. Mean age at presentation was similar in two groups. The male to female ratio was significantly higher in patients with eosinophilia ($p = 0.03$). Patients with eosinophilia had higher incidence of pancreas enlargement (78.57% vs. 37.2%, $p = 0.007$). Mean intraductal pressures (20.42 vs. 22.52; $p = 0.05$) and average pancreatic ductal diameter (7.85 vs. 8.90; $p = 0.03$) were lower in patients with eosinophilia. The incidence of complications was significantly more in patients with eosinophilia (85.71% vs. 20.93%; $p < 0.001$). There was no infiltration of eosinophils in all the pancreatic tissue samples analysed in both groups. **Conclusions:** Association of eosinophilia with CP is a relatively common entity. It is associated with significantly increased incidence of disease related inflammatory complications, but the exact mechanism is not clear. Whether eosinophilia is a cause or effect of complication is not clear.

122. Epidemiology, Presentation and Pathological Findings of Retroperitoneal Tumors and Literature Review.

Lokesh A, Brahmeswara Rao M, Venkatarami Reddy V, Chandramaliteeswaran C.

Int J Sci Res 2020;9:1-3.

Introduction: In this retrospective study, our aim is to study epidemiology of retroperitoneal tumors and correlate clinical presentation of patients with radiological and final pathological findings. **Methods:** All the patients with the diagnosis of retroperitoneal tumor are included. Known Lymphoma or the patients with enlarged peripheral lymph nodes and metastatic tumors are excluded. **Results:** Total of 27 patients presented with retroperitoneal tumors. Mean age at presentation was 48.07 ± 13.40 . 17 (62.96%) out of 27 patients were females. Most common presentation was (18, 66.7%) Pain abdomen, followed by lump abdomen (11, 40.7%). Most common tumor in our series is sarcoma, (14.8%). **Conclusion:** In our analysis of 27 patients, Retroperitoneal tumors are found predominantly in females in 5th decade of life. Majority of the patients presented with non specific pain abdomen. Radiological assessment is key to diagnosis, with CT scan playing a major role in preoperative diagnosis.

123. A rare case of lower limb gangrene following anterior exenteration in a previously irradiated pelvis.

Narendra H, Bhavya B, Manilal B, Abha C, Andal V.

Indian J Gynaec Onco 2019;17:86.

Purpose: Limb-threatening ischemia following arterial thrombosis in a patient with no known history of arterial disease or vascular injury following surgery is difficult to explain. This case report illustrates a rare complication of arterial thrombosis leading to limb gangrene in a patient with recurrent carcinoma cervix who underwent anterior exenteration. **Case Report:** A 43-year-old woman irradiated 10 years back for FIGO stage IIA carcinoma cervix presented with recurrence. Since the workup revealed localized disease, surgery was planned. Under general anesthesia with an epidural catheter in situ, patient was placed in lithotomy position and abdomen opened through a lower vertical midline incision. As the lesion was adherent to urinary bladder, a decision was made to do anterior exenteration with uretero-colostomy. The surgery lasted for 7 h, and patient was placed in head-low position for more than 3 h to assist small-bowel packing. Postoperatively, patient developed ischemia of right lower leg with documented thrombosis of right common femoral artery. As the arterial embolectomy failed and gangrene had set in, the limb was amputated on the fourth postoperative day. **Results:** At the time of this write up, the patient has completed 5 years of disease-free status. She is rehabilitated with the below-knee prosthesis and is mobile. **Conclusion:** Prolonged lithotomy positioning in the presence of a prior history of radiation may be associated with arterial thrombosis which can threaten limb perfusion, which if not diagnosed and treated early can result in limb gangrene.

124. Do resident doctors donate blood?- An evaluation of voluntary blood donation among the resident doctors in a tertiary care teaching institute of a developing country, India.

Praveen M, Arun R, Sreedhar Babu KV, Jothi Bai DS.

Int J Sci Res 2019;8:19-21.

Introduction: The major shortage of blood and blood components in developing countries is because of the increase in demand with fewer voluntary blood donations. Thus, identifying motivational factors affecting blood donation and recruitment of safe and low risk donors is

necessary. Though a study on the knowledge, attitude and the practice of donors may prove to be useful in the successful implementation of the blood donation programme, a study on resident doctors will have an added advantage of motivating the patient's attenders also for blood donation. For this reason, our aim was to find the level of the knowledge, attitude and practice of blood donation among resident doctors in a tertiary care teaching hospital. **Material and Methods:** A structured questionnaire was given to 104 resident doctors to assess their knowledge, attitude and practice with respect to blood donations. The statistical analyses were done by using the SPSS software. The associations between the demographic factors were analysed by using the Chi square test. **Results:** Among the 104 resident doctors, 59% were males and 41% were female residents. About 46% of the resident doctors expressed good knowledge about voluntary blood donation. There was no significant statistical association between gender and knowledge regarding blood donation. All residents felt that blood donation was a good gesture. Only 11% were regular donors. There was a significant statistical association between donation practices and gender. **Conclusion:** A majority of the donors were willing to be regular donors. Though our residents are knowledgeable regarding blood donation process and have positive perception towards blood donation, there is no translation of this knowledge and attitude, towards blood donation practices.

125. Prevalence and detection of leptospirosis among voluntary blood donors.

JeevaPriya R, Pushkala, Arumugam P, Arun Rajendran

Int J Sci Res 2019;8:51-3.

Introduction: Blood transfusion is a life-saving measure in emergencies and is important for the medical treatment of every patient. Among all adverse effects of transfusion, transfusion transmitted infections (TTI) are very important. Although the risk of transfusion-transmitted infections today is lower than ever, the supply of safe blood products remains subject to contamination with known and yet to be identified human pathogens. Our aim was to study the sero prevalence of leptospirosis among voluntary blood donors in Chennai. **Materials and Methods:** A total of 100 voluntary healthy blood donors selected from different regions of Chennai were included in the study. Five ml of blood was collected directly from the donor in a sterile plain test tube. Serum was stored at 40 C and -200 C in

two separate aliquots for MAT and PCR studies respectively. Another 5 ml of blood was collected from donor's blood bag immediately after collection and used within 4 hours for DFM study. **Results:** Prevalence of leptospirosis among voluntary blood donors in our study was found to be 21%. Of the 100 samples studied, 31 were positive by DFM, 40 by MAT, 21 by both DFM and MAT; however, none of the samples were found positive by PCR. **Conclusion:** Leptospira survived for 48 hrs in stored plasma at 4-6°C and 24 hrs in fresh frozen plasma stored at -18oC. DFM technique can be used as a simple, rapid and inexpensive means of leptospira detection. Leptospiral screening can be made mandatory in endemic regions like Chennai after undertaking a larger study.

126. A study to assess the ABO blood group antigen phenotype and gene distribution among blood donors at a tertiary care research institute in South India.

Chaitanya IS, Suresh B, Arun R, Sreedhar Babu KV, Sri Ranjitha TVN.

Int J Sci Res 2019;8:70-1.

ABO blood group antigens form the basis of current blood transfusion practice and their prevalence among blood donors can provide a glimpse into the population distribution of ABO genes and hence this study was undertaken to assess the ABO antigen phenotype prevalence and ABO gene prevalence among blood donors at a tertiary care teaching research Institute in South India. A total of 49,279 donors have been checked for their ABO blood group. The O, A, B, AB blood group prevalence were 42, 20, 32, 6 percent respectively while the O, A, B gene frequencies were 65, 14, 21 percent respectively.

127. A Propective Study to Assess the Efficacy of Single Donor Vs Random donor Platelet Therapy in Thrombocytopenic patients.

Chaitanya Kumar IS, Jothi Bai D.S, Sreedhar Babu KV, Mohan A, Sriram P.

Int J Sci Res 2019;8:21-3.

Platelets play a vital role in the maintenance of normal hemostatic activity. Patients with severe thrombocytopenia are presumed to be at increased risk of bleeding; consequently it has been standard practice to give allogeneic platelet transfusion to such patients as a supportive care. In the present prospective, observational

study, the effectiveness of random donor and single donor platelet therapy in patients with during a period of one year was assessed. There was no statistically significant difference between SDP and RDP based on 1h CCI and 24h CCI.

128. An audit of Fresh Frozen Plasma usage in a tertiary care teaching hospital in Southern India: A cross sectional study.

Suresh B, Chaitanya Kumar IS, Arun R, Sreedhar Babu KV.

Int J Sci Res 2019;8:44-6.

Fresh Frozen Plasma has been available since 1941. In this study we assessed the extent of usage of FFP and evaluated the appropriateness of usage of FFP and the outcome of patients treated with FFP. Materials and Methods: A cross-sectional study has been undertaken to evaluate the usage of FFP; in a tertiary care hospital for a period of one year. The FFP transfusions were evaluated according to college of American pathologists guidelines-1994'. Results: A total of 1746 FFP units have been transfused to 408 patients. The maximum numbers of FFP units, 67.8% were issued to surgical specialties and 32.2% to medical specialties. A total of 964 (55.2%) units were considered inappropriate. Conclusion: We observed higher rate of inappropriate usage of FFP in our center. We suggest that continual education at regular intervals may help to prevent the inappropriate usage of FFP practices.

129. Blood group discrepancy: Is it Group I or Group III?

Chaitanya Kumar IS, Babu BS, Arun R, Babu KV, Praveen MD, Sriranjitha TV.

J Clin Sci Res 2019;8:42-3.

ABO blood group system is the most crucial blood group system in terms of blood transfusion and transplantation capable of causing fatal reactions. In the determination of ABO blood group, two methods – cell grouping and serum grouping – are performed as a double check. Discrepancies between these two methods often occur and are classified arbitrarily into Group I due to weak or absent antibodies causing problems in serum grouping (as may be seen in the elderly, newborn patients and immunodeficient or immunocompromised patients), Group II due to weak or absent antigens causing problems in cell grouping (weak

antigens, subgroups of A and B), Group III due to abnormal plasma proteins causing rouleaux formation as in multiple myeloma and Group IV due to miscellaneous reasons like panagglutination.

130. Seroprevalence of HIV among Blood Donors Attending Blood Bank in a Tertiary Care Teaching Hospital –Andhra Pradesh.

Sreenivasulu M, Rajesh KrishnaNVH, Khader Faheem Md, Sushma C, SaiPrasad BV, Sridhar Babu KV, Anuradha B.

J Dent Med Sci 2019;18:80-2.

Introduction: Human immunodeficiency virus is a RNA virus which causes Acquired immunodeficiency syndrome (AIDS) is a major global health problem, transmitted sexually, perinatal, intravenous drug abusers and blood transfusion. Transfusion associated HIV is one of the major transfusion transmitted infection (TTI) in India. **Material and Method:** This study was carried out in a tertiary care teaching hospital. This is a retrospective analysis of donor profiles for a period of nine years from January 2010 to December 2018 to assess the distribution of Seroreactive cases. **Results:** A total of 63695 blood donors were screened amongst which 125 (0.19%) were reactive for HIV. Replacement donors showed more seroreactive compared to voluntary donors. Seroreactive is common in young donors. **Conclusion:** In present study, there is gradual decline in prevalence of HIV from 2010 to 2018 except in 2014, which can be attributed to effective predonation counseling of donors, encouragement of voluntary donors and increased awareness in society etc. Health education to high risk groups and advanced techniques of screening ensures better blood transfusion services.

131. An evaluation of non-infectious adverse reactions following blood transfusion at a tertiary care referral teaching hospital in southern india.

Sindhuja K, Sreedhar Babu KV, Anitha M, Praveen MD, Sriranjitha TVN.

Int J Sci Res 2019;8:3-6.

Background: Though blood transfusion is life saving, it can also lead to certain adverse reactions which can be fatal rarely. Identification of the adverse reactions will help

in taking appropriate steps to reduce their incidence and make blood transfusion process as safe as possible and this study has been undertaken to assess the frequency of adverse reactions occurring following whole blood or blood component transfusion in patients admitted at a tertiary care referral teaching hospital in Southern India. **Material and Methods:** During the period of one year all the adverse reactions related to transfusion of blood and blood components in patients admitted at our hospital were recorded. They were analyzed and classified using standard definitions, based on their clinical features and laboratory tests. **Results:** During the study period, a total of 13,532 whole blood and blood components were issued from our blood bank to 4,155 patients. Among them 23 (0.16%) adverse reactions were noted. The most common type of reaction observed was allergic (n = 9; 39.13%), followed by delayed hemolytic transfusion reaction (DHTR) (n = 4; 17.39%). Other reactions observed were febrile non hemolytic transfusion reactions (FNHTRs) (n=3, 13.04%), hypotension (n=3, 13.04%), transfusion associated circulatory overload (TACO) (n = 1, 4.35%), transfusion related acute lung injury (TRALI) (n = 1, 4.35%) and delayed serological transfusion reaction (DSTR) (n = 2, 8.70%). **Conclusion:** Frequency of transfusion reactions in the present study was 0.16%. This can be an underestimation of the true incidence because of underreporting which can be improved by hemovigilance system and one should consider for rationale use of whole blood and blood components.

132. An observational study on bacterial contamination of blood and Blood components in a tertiary care referral teaching hospital Blood bank, Andhra Pradesh, South India.

Sriranjitha TVN, Sreedhar Babu KV, Anitha M. Venkataramana B, Praveen MD, Sindhuja K.

Int J Sci Res 2019;8:53-4.

Despite considerable efforts directed towards reducing transmissible pathogens, transfusion transmitted bacterial infection remains one of the common cause of complications associated with transfusion. Reports from studies conducted in various countries are showing a high incidence of bacterial contamination of donor blood. There are no studies indicating the prevalence of bacterial contamination of blood and its components in Andhra

Pradesh. In the present study an analysis of blood and blood component microbiological cultures in our tertiary care referral teaching hospital blood bank from January, 2015 to July ,2018 was performed. A Total of 652 blood and blood component samples were submitted for bacterial and fungal culture. Out of which 20 (3.0%) samples were found to be positive for different bacterial agents. The probable cause for contamination may be due to cutaneous bacteria followed by asymptomatic bacteremia in donors.

133. Analysis of reasons for red cell crossmatch incompatibilities in a blood bank of a tertiary care referral teaching institute in south india.

Praveen MD, Sreedhar Babu KV, Anitha M, Sriranjitha TVN.

Int J Sci Res 2019;8:7-9.

Background: Pre-transfusion compatibility testing is performed in order to prevent the transfusion of incompatible donor RBCs. It can assure ABO compatibility between donor and patient blood as well as detect most clinically significant red cell alloantibodies. **Aim:** To estimate the incidence and nature of red cell incompatibilities that were reported in the cross match lab. **Settings and Design:** This single centre prospective study has been conducted at the Department of Transfusion Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati during the period from June 2016 to November 2018. The study population comprise of recipients of whole blood and packed red cells whose requests were sent to Immuno-Haematology laboratory for pre-transfusion testing. **Material and Methods:** Two millilitre of plain blood sample from each recipient was collected separately for pre transfusion testing according to our departmental SOPs. Whenever an incompatibility was identified at any stage of pre transfusion testing, the reasons were analyzed. Results were expressed as percentage.. Statistical analysis was carried out using SPSS version 25, SPSS Inc, Chicago, USA. **Results:** During the study period, 24,528 cross matchings have been done among which a total of 42 (0.17%) incompatibilities occurred. Incompatibilities occurred with sample of the patients from 4 years to 70 years with eight males and sixteen females. Majority of incompatibilities were due to unexpected antibodies and

majority of them belong to O blood group. **Conclusion and Recommendations:** For patients who are unlikely to require blood transfusion in a given medical or surgical setting, type and screen should be a common approach. This practice of performing type and screen only allows better inventory management of red blood cell supply.

134. A Descriptive Cross sectional study on Attitude of Nursing Students towards chosen profession in India.

Mohanasundari SK, Padmaja A, Rimple Je.

Com Public Health Nursing 2019;4:149-54.

Introduction: Attitude place a vital role in molding shape of the individual as a person and a professional. Attitude of Nursing students influence their further career path selection which is of significant interest. **Method:** Under quantitative approach a descriptive cross sectional survey was conducted with 434 nursing student studying GNM, B.SC (Nsg), PBBSC, and M.Sc (Nsg) to assess the attitude towards chosen profession by covering all regions of India. The samples were accessed through direct contact, watts app, phone call or other mode (survey app). Nonrandom snowball sampling technique was adopted in this study to select the sample. The tool has demographic variables and 5-point Likert scale to measure attitude of the nursing students, which covers total 15 statements. Data collection method was self-report technique, a structured questioner was distributed to students through direct face to face contact and through Survey monkey mobile app. Consent was obtained from the participant based on the mode of conduct. The collected data were compiled for data analysis. **Result:** The level of attitude of nursing students towards chosen profession was favorable as the mean score was 63.41 with SD of 6.92. There were 99% of samples had favorable attitude towards chosen profession and no subgroup have significant association at $p < 0.05$ with level of attitude and all subgroup had favorable attitude towards chosen profession. Despite of different geographic region and different levels of professional qualification, the samples had nomuch difference in level of attitude. **Conclusion:** It was concluded that nursing students had highly favorable attitude towards chosen profession. The GNM, BSC nursing, PBBSC nursing and M.SC nursing students all had favorable attitude despiteof having different professional qualification.

135. A study to assess the effectiveness of structured teaching programme on Infant and young child feeding (IYCF) practices among mothers at paediatric wards of S.V.R.R.G.G. Hospital, Tirupati.

Kumar P Anil, Padmaja A.

Int J Nurs Edu 2019;11:19-23.

Background: Breast feeding practices play an important role in reducing mortality and morbidity among children. The optimal infant and young child feeding practices during the first 2 years of life is of paramount important. Infant need to be fed 5–6 times a day in addition to breast feeding. **Objectives of the Study:** The objectives of this study was to assess the knowledge and knowledge on practices on IYCF among mothers of infants and young children, to assess the effectiveness of structured teaching programme on IYCF practices among mothers of infants and young children and to find the association between demographic characteristics and the knowledge on IYCF practices among mothers of infants and young children. **Material and Method:** A pre experimental research design was adopted using non-probability convenient sampling technique among 50 respondents from 1st march to 31st march 2019. **Results:** Of the total 50 mothers in pre test regarding knowledge on IYCF, 18(36.0%) had inadequate knowledge, 28(56.0%) had moderate knowledge, 4(8.0%) had adequate knowledge. And in post test 4(8.0%) had inadequate knowledge, 22(44.0%) had moderate knowledge, 24(48.0%) had adequate knowledge. Of the total 50 mothers in pre test regarding knowledge on practices related to IYCF, 10(20.0%) had inadequate knowledge, 30(60.0%) had moderate knowledge, 10(20.0%) had adequate knowledge. And in post test 6(12.0%) had inadequate knowledge, 23(46.0%) had moderate knowledge, 21(42.0%) had adequate knowledge. **Conclusion:** This study proved that the knowledge of mothers had been markedly increased after providing health education. And health education needs to be strengthened for target population having sub-optimal breastfeeding indicators

136. Assessment of Stress and Coping among caregivers of postoperative Cerebral palsy children at BIRRD Hospital, Tirupati.

Swathi S, Padmaja A.

IOSR J Nursing Health Sci 2019;8:1-10.

Background: Raising a child with cerebral palsy is stressful, for the parent because it requires an intensive physical engagement as well as coping with emotional reactions to the child's condition. **Objectives:** Assess the level of stress and coping among caregivers of postoperative cerebral palsy children, to correlate the stress with coping strategies of caregivers, and to determine the association between level of stress and coping strategies with the selected demographic variables. **Method:** Descriptive study was adopted to assess the stress and coping among caregivers of postoperative cerebral palsy children. Fifty caregivers were selected by purposive sampling technique. **Results:** Among 50 caregivers 13(26%) had severe stress, 28(56%) had moderate stress, and 9(18%) had mild stress. Among 50 caregivers 14(28%) had poor coping, 23(46%) had good coping and 13(26%) had very good coping. There is a significant relationship between stress and coping at 0.01 level. Relationship between stress with selected demographic variables such as age, gender, educational status, mothers having any health problems during pregnancy, history of any complications during pregnancy and child birth, mother having any habits during pregnancy was at 0.01 level. Type of family, family income per month in rupees at 0.05 level. Coping with selected demographic variables age, gender, educational status, mother having any health problems during pregnancy shows 0.01 level, and history of any complications during pregnancy and child birth was at 0.05 level. **Conclusion:** Health care personnel should conduct counseling sessions for caregivers on stress reduction techniques.

137. A Study to assess the knowledge on Shaken Baby Syndrome among caregivers of young child in MCH Centre, Tirupati.

Rambabu C, Padmaja A.

Int J Cur Res 2019;11:5322-3.

Introduction: Shaken baby syndrome is a serious brain injury caused by forcefully and violently shaking a baby. The National Center on Shaken Baby Syndrome reported that > 500 shaken baby syndrome cases, either fatal or nonfatal, occurred in the U.S., the District of Columbia, 2013-2014. **Objective:** To assess the level of knowledge on shaken baby syndrome and its prevention among care givers of young child. **Design:** Descriptive research design was used. **Participants:** 100 care givers of young child were selected using Convenient sampling technique in Para

area of MCH centre Tirupathi. **Tool:** Structured Questionnaire with 10 questions was used to assess the level of Knowledge of care givers of young child regarding shaken baby syndrome. 10 dichotomous questions used to assess the level of Knowledge on prevention of Shaken baby syndrome among care givers of young child. **Results:** The findings of the study revealed that 45%(45) had inadequate knowledge, 26%(26) had moderate knowledge and 29% (29) had adequate knowledge on shaken baby syndrome, 14%(14) care givers of young child had inadequate knowledge, 36%(36) had moderate knowledge and 50% (50) care givers adequate knowledge on prevention of shaken baby syndrome. **Conclusion:** The care givers of young child having moderate knowledge on shaken baby syndrome and its prevention. The nurses in the hospital should work out a plan for educational programmes based on their level of knowledge. A wide spread network should be provided, which should focus on the improving the knowledge of shaken baby syndrome. The study will help the health care personnel to conduct health education session for care givers of a child on shaken baby syndrome and its prevention.

138. A Study to assess the effectiveness of planned health teaching regarding Katori and Spoon feeding among mothers of infants in selected Hospital, Tirupati.

Veenabai R, Padmaja A.

IOSR-Int J Nursing Health Sci 2019;8:47-52.

Background: The Children are major consumers of health care. Infants are considered as special risk groups. Majority of childhood sickness and deaths are preventable by simple low cost measures. Providing balanced and sufficient nutritional diet is most important for infants to promote growth and development, to protect from infections, and maintain good health of infants. In India there is increased mortality rate is due to improper knowledge of mothers about hygienic health practices and feeding techniques of infants. Appropriate and healthy feeding of infants during the first year of life is extremely important. **Objectives:** to assess the knowledge and knowledge on katori and spoon feeding, to assess the effectiveness of planed health teaching regarding katori and spoon feeding, to associate the relationship between demographic variables and the level of knowledge on katori and spoon feeding. **Method:** A quasi-experimental single group pre – test and post- test

research design was adopted to assess the effectiveness of planned health teaching regarding katori and spoon feeding among mothers of infants in selected hospital, Tirupati. Fifty mothers of infants were selected convenient sampling technique. **Results:** In pre test scores mean of knowledge was 5.94 and standard deviation was 2.97; mean of practice was 9.94 and standard deviation was 2.33. and In Post- test mean of knowledge was 13.14 and standard deviation was 1.70 and mean of practice was 13.50 and standard deviation was 1.79. Knowledge and practice were significant at 0.01 level.

139. A Study to assess the effectiveness of Paediatric Ventilator Associated Pneumonia(VAP) among Nursing students, at selected College, Tirupati.

Seshakumar K, Padmaja A.

Asian J Nur Education Res 2019;9:285-8.

Ventilator-associated pneumonia (VAP) is a serious health care- associated infection, resulting in high morbidity and mortality. Nurse's awareness, education and understanding the preventive measures for ventilator associated pneumonia (VAP) are necessary component in NICU / PICU settings. The aim of the present study was to assess the knowledge on paediatric ventilator associated pneumonia (VAP) among nursing students, at selected college, Tirupati. Objectives: To assess the nursing students knowledge on Paediatric Ventilator Associated Pneumonia (VAP), to find out the association between level of knowledge with selected socio demographic variables, to provide information booklet on Paediatric Ventilator Associated Pneumonia (VAP). Methodology: The research approach used for the study was descriptive research design. One Stage Cluster sampling technique was adopted; College of Nursing, SVIMS, Tirupati was considered as one cluster, by random sampling technique all 3rd Year B.Sc Nursing Students of College of Nursing, SVIMS, Tirupati were selected. Data was collected with questionnaire on Paediatric Ventilator Associated Pneumonia (VAP). Results: The major findings of the study was, Out of 96 B.Sc nursing students 30.2% (29) had inadequate knowledge, 26% (25) had moderate knowledge and 43.8% (42) had adequate knowledge regarding Paediatric Ventilator Associated Pneumonia. Level of knowledge regarding practices to prevent Paediatric Ventilator Associated Pneumonia majority 36.5% (35)

students had inadequate knowledge, 28.1% (27) students had moderate knowledge, 35.4% (34) students adequate knowledge. There no significant association between level of knowledge and knowledge on practices to prevent on paediatric ventilator associated pneumonia with selected socio demographic variables. Conclusion: The study shows that B.Sc Nursing students have moderate knowledge on Paediatric Ventilator Associated Pneumonia. Based on the findings information booklet was given to all the students (subjects), to improve the level of knowledge.

140. A Study to assess the level of anxiety and coping strategies regarding pubertal changes among pre- adolescent girls in selected schools of Tirupati.

Leelavathi A, Padmaja A.

Int J Nursing Edu 2019;11:4.

Background of the Study : The word Puberty is derived from a Latin word “Pubertas”, which means ‘age of manhood’. Adolescent establish patterns of behaviour and make life style choices that affect both their current and future health. During this period they have more confusions and conflict among them. **Objectives:** To assess the level of anxiety and coping strategies, to find the relationship between the level of anxiety and coping strategies and to associate the relationship between level of anxiety and coping strategies with selected demographic variables regarding pubertal changes among pre adolescent girls in selected schools of Tirupati, during 2018–19. **Method:** Descriptive research design was chosen by using purposive sampling technique. The study was conducted at selected schools of Tirupati, which includes 110 pre adolescent girls. Descriptive and inferential statistics was used for data analysis. **Results:** With regard to level of anxiety and coping strategies among 110 pre adolescents 49.1% (54) percent were having mild anxiety, 42.7% (47) had moderate anxiety and 8.2% (9) had severe anxiety levels and coping 38.2% (42) poor coping strategies, 50.0% (55) good coping strategies, and 11.8% (13) had very good coping strategies. The result of the study shows that there is significant relationship between anxiety and coping strategies regarding pubertal changes among pre adolescent girls. **Conclusion:** The study findings revealed that most of the pre adolescent girls had mild anxiety levels and moderate adequate coping strategies. And there is need to conduct educational programmes in schools regarding pubertal changes

141. Self care practices of postnatal care among mothers who underwent LSCS. Journal of Emergency Technologies and Innovative Research.

Sunanda P, Swarna S

J Emerging Tech Innovative Res 2019; 6(6):899-902.

Introduction: Self-care is an integral part of holistic living of one’s life. Self-care approach is a challenge in post-operative period in the health care system. Post-operative period after caesarean section is a time of transition during which the mother must care for herself and for her newborn. Observing the mother during post operative period about the self care practices and develop the information booklet in antenatal period it will reduce the complications, maternal mortality and morbidity .Objectives: To assess the self care practices among mothers who underwent LSCS. To associate the self care practices with selected demographic variables. To develop the information booklet based on the study findings regarding postnatal care. Methodology: descriptive research was adapted to carry out the study . 50 mothers were selected using Purposive sample technique who are undergone LSCS in SPMCH, Tirupati. Observation checklist was used to assess the self care practices during postoperative period-day two, three and four consecutively. Results: the study findings revealed 15 (30%) mothers were having poor practices on day 2nd , average and good self-care practice in 3rd and 4th day of after Lower Segment Caesarean Section. (58%) subjects were performed good self care in 3rd day and (76%) mothers were performed good self care in 4th day .The self care practices was increased every day. Conclusion: Poor self care practices observed about exercises, care of eyes, umbilical card, breast hygiene and hand washing. Hence there was need to give health education on exercises, care of eyes, umbilical card, breast hygiene and hand washing. Recommendation: A comparative study can be conducted between primi para mothers and multipara mothers underwent LSCS

142. Knowledge regarding decreased girl child serrato among pregnant mothers and family members.

Susmitha M, Swarna S.

J Emerging Tech Innovative Res 2019; 6:107-11.

Introduction son preference in India is a well-documented phenomenon, and its implications for skewed sex ratios,

female feticide and higher child mortality rates for girls have drawn research and policy attention. Objectives: To assess the knowledge about decreased child sex ratio among pregnant mothers and family members, To find out the association between knowledge among pregnant mothers and family members with their selected demographic variables. Methodology: The research approach used for the present study was descriptive survey. The sample size was 50 pregnant mothers and 50 family members, convenient sampling technique was used to carry out the study Pre-tested Structured interview schedule was used to collect the data Results Most of the pregnant mothers 21(42%) and family members 22(44%) had inadequate knowledge regarding consequences of decreased sex ratio Conclusion: Findings of the study showed that Inadequate knowledge regarding consequences of decreased girl child sex ratio among pregnant mothers and family members This findings suggested health education and awareness programme in order to reduce the consequences of decreased sex ratio

143. Burden, coping mechanism and quality of life among care givers of Hemodialysis and peritoneal dialysis undergoing and renal transplant patients.

Nagarathnam M, Sivakumar V, Latheef SAA.

Indian J Psychiatry 2019;61:380-8.

Context: Investigations on burden, coping, and quality of life (QOL) in caregivers of hemodialysis (HD) and peritoneal dialysis (PD) undergoing and renal transplant (RT) patients may lead to the well-being of caregivers, and these studies are sparse and nil in Indian context. AIM: This study aims to comparatively evaluate the burden, coping mechanisms, and QOL among caregivers of HD and PD undergoing and RT patients. **Setting and Design:** Tertiary care hospital, cross-sectional and descriptive study. **Subjects and Methods:** Burden, coping mechanisms, and QOL in caregivers of HD and PD undergoing and RT patients were investigated using Zarit burden interview, revised ways of coping and short-form 36 in 30 each caregivers of HD and PD undergoing and RT patients. **Results:** Moderate to severe burden, mild to moderate burden, and no burden were observed in the majority of caregivers of HD and PD undergoing and RT patients. Significantly higher mean burden score in caregivers of HD undergoing than RT patients ($P < 0.01$); accepting responsibility in caregivers of RT than PD undergoing patients; social functioning in caregivers of HD than PD undergoing patients; and general health in caregivers of RT than HD undergoing patients, was observed. Lower

physical component was common in each group, whereas accepting responsibility in HD, self-controlling in PD, and age and escape avoidance in RT were found to be the specific predictors of the burden score. **Conclusions:** Caregivers of HD and PD undergoing and RT patients have different levels of burden, use different mechanisms to cope, and showed different predictors of burden score.

144. A phenomenological study on lived experiences of coronary angiography patients at tertiary care centre of AP.

Deepthi K, Nagarathnam M.

Int J Current Res 2019;11:6567- 70.

Introduction: Cardiovascular diseases are currently the major cause of mortality and morbidity around the world. Among the CVD's, coronary artery disease is the most common cause of deaths. **Objectives:** To elicit the lived experiences of patients underwent coronary angiography, to analyze the lived experiences of patients underwent coronary angiography, and to associate the lived experiences of coronary angiography patients with selected demographic variables. **Materials and methods:** Qualitative Phenomenological research design with convenient sampling technique was used which include 50 patients who underwent coronary angiography for the first time were selected as sample, at cardiology OPD, SVIMS. A Self structured questionnaire with preconceived ideas was used to interview the lived experiences of coronary angiography patients, which were classified as physical, psychological, social, economical, vocational, educational and spiritual dimensions. Interviewed data were analysed by using Colaizzi's framework analysis. **Results:** The study findings revealed that the participants had unique expectations about coronary angiography. The experiences of the patients vary depending on age, their role in the family, occupation, financial status, social and family support system. The association was found between the educational status, occupation and the socio economic status of the patients through the lived experiences. **Conclusion:** Patients who underwent CAG have diverse expectations from the angiography procedure and the health care team. Nurses, as the key member of medical team, should include these expectations in their routine care program and assist the patients to have better life adaptability. Sensitivity to the patient's expectations and assisting them results in higher awareness and less psychological problems.

145. Evaluation of skill training programme prevention of needle stick Injury in B.Sc Nursing students of Tirupati.

Leela lavanya T, Nagarathnam, M.

Int J Cur Res 2019;11:6890-2.

Introduction: Occupational accidents are common in any area of work, including hospitals. Every year, hundreds and thousands of health care workers are exposed to deadly diseases like HIV and Hepatitis C through needle stick injuries. **Objectives:** To assess the knowledge on prevention of needle stick injury before and after the skill training program, to determine the effectiveness of skill training program by comparing pre test and post test level of knowledge and to associate the knowledge on prevention of needle stick injury with skill training programme on needle stick injury. **Materials and methods:** Quasi experimental one group pre and post-test research design was used for the study. 143 B.Sc. nursing students of 1st and 2nd years were selected as participants by simple random lottery sampling technique. A structured questionnaire was used to assess the knowledge and skill on prevention of needle stick injury. **Results:** In pre-test 43.4% of the students had inadequate knowledge, 49% showed moderate knowledge and 7.7% had adequate knowledge. After the administration of skill training programme 47.6% had moderate, 52.4% had adequate knowledge, 40.6% had moderate skill and 59.4% had high skill in practicing safe recapping techniques and disposal methods after the skill training program in post test. **Conclusion:** The skill training programme was an effective mode to create awareness and helps to improve the knowledge and practice of safety measures to prevent needle stick injury among nursing students.

146. Assessment of quality of life and life satisfaction among senior citizens in selected areas of Tirupati.

Kumari TL, Hemalatha S, Bhagyalakshmi M.

Int J Health Sci Res 2019;9:233-41.

Quality of life is a holistic approach that not only emphasizes on individual's physical, psychological and spiritual function but also their connections with their environment and opportunities for maintaining and emphasizing skills. **Objectives:** To assess the level of quality of life and life satisfaction among senior citizens. To compare the level of quality of life and life satisfaction among senior citizens

To associate the level of quality of life and life satisfaction of senior citizens with their selected demographic variables. **Methodology:** A descriptive research approach was selected to assess the quality of life and life satisfaction among 100 senior citizens in selected areas of Tirupati. The samples were identified and collected the data by applying Quality of Life WHO-BREF Scale and life satisfaction index. **Results:** Among 100 senior citizens 6% had poor quality of life, 34% had moderate quality of life, and 60% had high quality of life. Regarding life satisfaction 47% had average and 53% had high. There was a significant association between the quality of life with their education, occupation, health status, NGO's programs available for them financial support, medical help, and Government schemes. The life satisfaction associated with their health status NGO's programs, Government schemes available for them, education, family income, financial support, and medical help. There was a positive correlation 0.543 between quality of life and life satisfaction among senior citizen. **Conclusion:** Based on the obtained findings the researcher prepared a book let which will help them to improve their quality of life and life satisfaction by following the tips for coping with change, staying connected, sleeping, wholesome eating, coping with grief, prevention and control of problems which arise during their old age.

147. Assessment of the level of knowledge among adolescents on selfi syndrome in selected college. Tirupati, A.P.

Kalpana T, Hemalatha S, Bhagyalakshmi M.

IOSR J Nursing Health Sci 2019;8:55-64.

Many of today generation Smart phone are equipped with high resolution camera, which we call it as "selfie" camera. Though people were fond of taking photographs of their own and others but with selfie camera it has led to an extreme level coupled with posting the selfie photographs on social networking sites. Identify the hidden facts that addiction of, selfies is also flattering the foundation of numerous psychological mental illness and disorders and selfi can turn deadly in addition This has led to a chain of reactions leading to a complex addiction disorder which we may easily be called as Selfie addiction or Selfie Syndrome. **Objectives:** Our study aims that To assess the level of knowledge regarding selfi syndrome among adolescents. To identify the level of attitude regarding taking selfi among adolescents. To associate the level of knowledge with selected demographic variables on selfi

syndrome among adolescents at selected colleges.

Method: A Quantitative research design was selected. The samples were identified and collected the data by applying self-structured tool. **Results:** Among 184 adolescents 48.91% had inadequate knowledge, 19.5% had moderate knowledge and 31.5% had adequate knowledge. Significant association between age, mother's income. 26.08% had low attitude, 47.28% had moderate attitude, 26.63% had high attitude. Significant association between age, residence, gender, mother income. **Conclusion:** Based on the obtained findings the researcher prepared a book let which will help them to improve their knowledge and attitude in preventing and control of self syndrome.

148. Assessment of stress and coping among parents of children with epilepsy at selected hospital, Tirupathi. AP.

Hemalatha S.

IOSR- Int J Health Sci Res 2019;9:300-4.

Coping process usually invoked to reduce stress levels. Levels of social support available and positive coping methods such as problem focused coping, assertiveness training, exercise and time management may reduce the experience of stress. **Objectives:** To assess the stress and coping among the parents of children with epilepsy. To determine the association between the results of the stress and coping with demographical variables of parents of children with epilepsy. To determine the association between the stress and coping among the parents with demographic variables of their children with epilepsy. **Methodology:** A descriptive research approach was selected to assess the stress and coping among 100 parents of children with epilepsy in selected hospital Tirupathi. The samples were identified and collected the data by using stress and coping scale. **Results:** out of 100, 39% of the parents had increased stress and inadequate coping. 60% of parents had moderate stress and moderate coping. 1% of the parents had less stress and adequate coping. Statistically significant association between stress and coping among parents of children with epilepsy with their demographic variables like age, gender, education, occupation, family system, residence, frequency of fits and relationship with the patient. **Conclusion:** Based on the obtained findings the researcher prepared a booklet which will help them to reduce stress and by following the tips for coping strategies.

149. Hemalatha S, Rajayalakshmi A, Bhagyalakshmi M.

Assessment of adjustment pattern among Ist year BSc N students at CON, Tirupathi. A.P.

IJAR 2019;5:37-41.

The process of adjustment starts right from the birth of the child and continues till the death. Man is a social animal not only adapts to physical demands but he also adjusts social pressures. Adolescent faces many adjustment problems in physically, psychologically and socially. A descriptive design was adopted to assess the adjustment pattern among the B.Sc nursing students and 30 samples were selected by random sampling technique. The sample consists 15 boys and 15 girls and data was collected by using adjustment inventory questions consisting in the area of home, health, submissiveness – self assertion, emotionality, hostility-friendliness and masculinity-femininity. The results of the study revealed that, girls had more adjustment problems than the boys. Analysis revealed that there was a significant difference between the boys and girls in the adjustment level in emotionality. Conducting counselling session regularly help to identify adjustment problems and develop problem solving skills among the B.Sc(n) students.

150. Assessment of the knowledge regarding Alzheimer's disorders among senior citizens in selected community at Tirupathi, A.P.

Swathi M, Hemalatha S, Bhagyalakshmi M.

Int J Health Sci Res 2019;9:275-80.

Increases in life expectancy during the 21st century have produced an aged population of an unprecedented size and longevity. Ageing leads to several biological changes that take place over time and results in progressive loss of functional capacity. The aged have to cope up with many physical and mental health problems with advancing age requiring constant attention. Depression, hypertension, arthritis, dementia, Alzheimer's diseases are highly prevalent among the aged. **Objectives:** To assess the knowledge on Alzheimer's disease among senior citizens in a selected community. To find out the association between the level of knowledge with selected demographic variables of senior citizens. **Methodology:** Descriptive research approach was adopted, sample were selected by non probability purposive sampling technique (N=100). Data

was collected by structured interview schedule. **Results:** Among 100 senior citizens, 25% had inadequate knowledge, 46% had moderate knowledge, and 29% had adequate knowledge. There was a statistically significant association between the levels of knowledge among senior citizens with their selected geographical background, education, marital status, source of information and specific source of information regarding Alzheimer's disease. On conclusion, senior citizens with inadequate knowledge, unable to expand their knowledge towards the Alzheimer's disease. So the researcher prepared a book let on Alzheimer's disease to improve their knowledge on Alzheimer's disease.

151. Assessment of knowledge on organ donation among degree college students at selected colleges Tirupati, A.P.

Bhagyalakshmi M, Hemalatha S.

Int J Sci Res Sci Eng Technol 2019;6:21-8.

Organ transplantation is a medical procedure in which an organ is removed from one body and placed in the body of a recipient to replace a damaged or missing organ. Organ /tissues that are transplanted within the same person's body are called Auto grafts. Transplants that are recently performed between two subjects of the same species are called Allograft. Allografts can either be from a living or cadaveric source. Organs are systems of cells and tissues that perform a specific task eg:-Respiration, Circulation, gets rid of the body waste. **Aim:** To assess the level of knowledge on organ donation among degree college students, and To associate the level of knowledge on organ donation with their selected demographic variables. **Methodology:** A descriptive design was adopted. 40 students were selected by using simple random sampling technique at SV Govt polytechnic college, Tirupati. The level of knowledge was assessed by using the structured questionnaire. **Results:** The results were out of 40 students 16% (16) had moderate knowledge 21% (21) had inadequate knowledge and only 3% (3) had adequate knowledge. **Conclusion:** based on the obtained findings the researcher prepared a book let which will help them to improve their knowledge.

152. A study to assess the effectiveness of STP on prevention substance abuse among adolescents selected schools in Tirupathi.

Uhaa M, Bhagyalakshmi M, Hemalatha S, Sudharani P.

J Nursing Health Sci 2019;8:1-11.

Aim: "To assess the effectiveness of structured teaching program on knowledge regarding alcohol use and its harmful effects among high school children at Municipal Corporation School in Tirupati". **Materials and methods:** A quasi-experimental research with one group pretest posttest design was used and the study was conducted in Municipal Corporation School in Tirupati, Andhra Pradesh. The population consists of high school children. The sample size was 60 high school children, who fulfilled the inclusion criteria. The tool used for data collection was structured questionnaire. **Results:** The study findings revealed that among 60 high school children 15 (25%) had inadequate knowledge, 24 (40%) had moderate knowledge and 21 (35%) had adequate knowledge in pretest after administration of structured teaching program, the posttest findings revealed that 8 (13.3%) had inadequate knowledge 28 (46.7%) had moderate knowledge and 24 (40%) had adequate knowledge. That the pretest means value and standard deviation scores was 15.40+2.499 and the posttest means value and standard deviation was 24.08+2.499 and the calculated t-value was 15.846. Which was statistically significant at $p=0.01$. The above results revealed that there was a significant difference between pre-test and post-test scores among scores among high school children after structured teaching program. **Conclusion:** The high school children had gained knowledge on Alcohol use and its harmful effects after the structured teaching program in the post test assessment.

153. A study to assess the knowledge and attitude among the family members of the patient under going the ECT ,SVIMS,Tirupathi.

Kanmani S, Bhagyalakshmi M, Hemalatha S, Sudharani P.

J Nursing Health Sci 2019;8:23-30.

Introduction: Electroconvulsive therapy is a procedure done under general anesthesia in which small electric current passed through the brain, intentionally triggering a brief seizure, ECT seems to cause change in brain chemistry that can quickly reverse symptoms of certain mental health conditions. **Objectives:** To assess the knowledge of family members of the patients undergoing ECT with selected demographical variables. To assess the level of attitude score of family members of the patients undergoing the ECT with selected demographic variables. **Materials and methods:** Quantitative descriptive

research design with simple random sampling technique was used which including (100) family members of the patients undergoing the ECT at SVIMS Tirupati. A selfstructured question weir was used to find out knowledge and attitude. The data was analyzed by using descriptive and inferential statistics. **Result:** the study results raveled that 19(19%) had inadequate knowledge, 54(54%) had moderate knowledge, 27(27%) had adequate knowledge on ECT and 53(53%) had positive attitude, 35(35%) had ambivalent attitude, 12(12%) had negative attitude on ECT. The association was found between age, marital status, education, occupation, type of residence, relationship, previous family history of mental illness. **Conclusion:** it is good to know that most of the patients and relatives are well informed about ECT, its side effects and drawbacks. This study should be treated more as a preliminary exploratory study and further refinement in methodology should help to draw more robust conclusions

154. Comparisons of kinesiotaping versus arm sling on shoulder function and extent of shoulder subluxation in subjects with sub-acute stroke.

Hima Bindu K, Srikumari V, Kameswari G, Madhavi K.

Int Educat Sci Res J 2019;5:39-47.

Introduction: Stroke is defined as a rapidly developing clinical sign of focal disturbance of cerebral functions, lasting more than 24hrs (or) leading to death with no appropriate cause, other than that of vascular origin. Subluxation is associated with multiple factors including frozen shoulder flaccid upper lime spasticity rotator cuff lesion shoulder hand syndrome. The most important factor is the position of the scapula on the thorax. The scapula is normally held on the thorax at the angle of 30 degrees from the frontal plane. When the slope of the glenoid fossa becomes less oblique and no longer faces upwards the humerus slides down the slope the fossa and leads to inferior subluxation. **Aim:** Aim of the study was Comparison of kinesiology taping versus arm sling on shoulder function and extent of shoulder subluxation in subjects with sub-acute stroke. **Materials and Methods:** 30 subjects with Subluxation were randomly assigned into two groups. All the participants were assessed for the pre values with FBand FMUE. Subjects in experimental group1 (n=15) received 15 sessions of kinesiotaping & physical therapy whereas, Experimental group2 (n=15) received 15 sessions of arm sling and physical therapy per total 3 weeks. All participants were assessed for post values with FB and FMUE after 3 weeks of training sessions. **Statistical**

Analysis: After the analysis, the results revealed significant improvement in KINESIOTAPING than in the ARMSLING group($p = 0.01$) **Results:** The results of this study showed that there is statistically significant improvement in both groups but KINESIOLOGY TAPPING group shows more improvement than the ARM SLING groups for Subluxation and functional status. But, there is a high significance results in experimental group1 compared to the experimental group 2. **Conclusion:** The basic hypothesis of this study was that kinesiotaping technique to the Shoulder of the affected upper limb in conjunction with physical therapy exercise program would enhance the subluxation, which further decreases the Subluxation of affected upper limb in sub-acute stroke patients. Findings suggest that kinesiotaping technique is safe, inexpensive and effective enough in increasing function and decreases the Subluxation in subjects with sub-acute stroke.

155. The efficacy of chair aerobic exercises on cognitive functions, physical activity and quality of life in geriatric population in tertiary care centre in Tirupati.

Charan Kumar PR, Madhavi K, Sharan Singh, Katyarmal T, Asha Jyothi K.

Int Educat Sci Res 2019;5:83-9.

Introduction: Geriatrics from the chronological viewpoint starts from the age of 65 years. It is associated with increased risk of cardiac diseases, metabolic syndrome. Due to prolong life expectancy, age related diseases have increased in recent decades. The literature review indicates lifestyle factors which have impact on the people aging. Three lifestyle factors play a significant role in slowing the rate of cognitive decline and preventing dementia, they are socially integrated network, cognitive leisure activity and regular physical activity. Chair exercises can help the geriatrics to enhance the physical activities especially individuals with muscle strength and trunk balance. Apart from chair exercises individual based physical activity can be adopted. Effectiveness of the structured chair aerobic exercises can be measured using physical activity score, cognitive functions with MMSE, social network with oxford happiness questionnaire and quality of life using SF36 questionnaire in geriatric population. **Aim:** To find out the influence of chair exercises on physical activity, cognitive functions, social network and quality of life in geriatric individuals. **Objectives:** To find out the effect of chair aerobic exercises on physical activity in geriatrics using

international physical activity questionnaire. To find out the effect of chair aerobic exercises on cognitive functions in geriatrics using mini mental state examination. To find out the effect of chair aerobic exercises on social network in geriatrics using oxford happiness questionnaire. To find out the effect of chair aerobic exercises on quality of life in geriatrics using sf36 questionnaire. **Method:** 60 patients with age > 60 years old individuals (both genders) were taken in tertiary care centers in Tirupati, Andhra Pradesh for the study. Pre and Post comparison design was adopted. Inclusion criteria include Age 60 years above, Both genders (male and female), Mild and Moderate disability. Major neurological problems (stroke, Parkinson disease), History of cardiovascular disease (Coronary artery disease, Heart attack, Abnormal heart rhythms, Heart failure, Peri cardiac disease, vascular disease), Severe musculoskeletal disorders were excluded from the study. Participants received 30-45 min of chair aerobic exercises, were implemented to the subjects every week as per the individual tolerance and the protocol is completed with relaxation positions. The protocol is implemented 4 days per week for 8 weeks. Four outcome measurements were measured initially before the intervention and after the intervention. Physical activity questionnaire, mini mental state examination, oxford happiness questionnaire. Sf36 questionnaire. **Results:** There is a statistically significant ($p < 0.00$) improvement from baseline to 8th week in geriatric population. **Conclusion:** Chair aerobic exercises proved to be effective in improving the cognitive function, physical activity, social network, and quality of life in geriatric population.

156. A comparative study on efficacy of neural mobilization and laser on pain and functional activity of lower limb in subjects with piriformis syndrome.

Sai Vyshnavi, Srikumari V, Madhavi K.

Int Edu Sci Res J 2019;5(9):115-21.

Piriformis syndrome is a neuromuscular disorder. It defined as a peripheral neuritis of sciatic nerve. It is a condition which is believed to result from compression of sciatic nerve around the piriformis. Focus of this study is to compare the efficacy of neural mobilization and laser on pain and functional activity of lower limb in subjects with piriformis syndrome. The sample consisted of 30 subjects, from both sexes, ranging from 25 to 50-years-old. Parameters are the Visual Analogue Scale (VAS) and lower extremity functional scale (LEFS). An experimental design

was used in this study. 15 subjects were assigned to a experimental group; received 10 sessions of neural mobilization & LASER, while a second group of 15 subjects were assigned as control group; received 10 sessions of only LASER for five sessions per week, in two weeks. All participants were assessed for post values with VAS and LEFS after 2 weeks of training sessions. After the analysis, the results revealed significant improvement in VAS and LEFS in both the groups ($p < 0.001$) for pain intensity and functional status. But, experimental group improved statistically significant. In this study concluded that the enhanced functional activity by neural mobilization and laser can account for the improvement in the physical status of the subject along with diminished pain. Certainly the neural mobilization and laser combination has positively affected the functional status of the subjects.

157. Effect of telehealth on glycaemic control, physical activity and quality of life in type 2 diabetes mellitus individuals.

Anjani S, Madhavi K, Suresh Kumar M,

Int Edu Sci Res J 2019;5:19-29.

Objectives: To study the effect of telehealth on quality of life (QOL) through Quality of Life Instrument for Indian Diabetes Patients Questionnaire (QOLID) (Telugu translation) in type 2 DM individuals. Study design: This is a randomized controlled study. Study Setup: Patients with type 2 DM attending to SVIMS Endocrinology OP. Period of follow up: 3 months Study sampling: Simple randomized sampling Sample size calculation: Minimum of 128 subjects in both groups, hence 70 subjects in each group. **Methodology:** Baseline information of BP, BMI, THR, HbA1c, FPG, PA, and QOL are taken along with their contact number and with informed consent at the first time of visit to SVIMS Endocrinology OP. Advice about regular physical activity adherence, diet, lifestyle modification and diabetes management will be given orally and in the form of handouts for the subjects in both the groups along with weekly thrice phone calls and motivation and encouragement about regular physical activity participation is advised for the subjects in experimental group. Follow up is taken after three months about BP, BMI, HbA1c, FPG, PA and QOL. **Results:** The pre and post experimental mean value, t-test and p values of all the outcomes that is BP, BMI, HbA1C, FPG, PA, QOL shows significance (0.05) in both the groups. **CONCLUSION:**

Hence, the study concluded that telehealth showed a significant improvement in glycemic control, physical activity and quality of life at 0.05 level of significance. To study the effect of telehealth on physical activity (PA) through, BP, BMI, International Physical Activity Questionnaire (IPAQ) (Telugu translation) in type 2 DM individuals. To find out the effect of telehealth on glycemic control through FPG, HbA1c in type 2 DM individuals. To study the effect of telehealth on quality of life (QOL) through Quality of Life Instrument for Indian Diabetes Patients Questionnaire (QOLID) (Telugu translation) in type 2 DM individuals. Study design: This is a randomized controlled study. Study Setup: Patients with type 2 DM attending to SVIMS Endocrinology OP. Period of follow up: 3 months Study sampling: Simple randomized sampling Sample size calculation: Minimum of 128 subjects in both groups, hence 70 subjects in each group. **Methodology:** Baseline information of BP, BMI, THR, HbA1c, FPG, PA, and QOL are taken along with their contact number and with informed consent at the first time of visit to SVIMS Endocrinology OP. Advice about regular physical activity adherence, diet, lifestyle modification and diabetes management will be given orally and in the form of handouts for the subjects in both the groups along with weekly thrice phone calls and motivation and encouragement about regular physical activity participation is advised for the subjects in experimental group. Follow up is taken after three months about BP, BMI, HbA1c, FPG, PA and QOL. **Results:** The pre and post experimental mean value, t-test and p values of all the outcomes that is BP, BMI, HbA1C, FPG, PA, QOL shows significance (0.05) in both the groups. **Conclusion:** Hence, the study concluded that telehealth showed a significant improvement in glycemic control, physical activity and quality of life at 0.05 level of significance.

158. Comparative study of ankle eversion kinesiotope technique & spring assisted kinesiotope technique on dynamic balance and gait velocity in chronic stroke patients with foot drop.

Rabiya SK, Srikumari V, Madhavi AK

Int Edu Sci Res J 2019;5:142-51.

Stroke survivors are impaired by asymmetric posture, reduced voluntary control of movement, abnormal body balance, and deficit of weight transfer which affects their postural control and walking ability thereby increasing risk of fall. Ankle dorsiflexion plays a major role in balance and gait. **Purpose:** The purpose of this study was to

compare the effect of ankle eversion kinesiotope technique & spring assisted kinesiotope technique on dynamic balance and gait velocity in chronic stroke patients with foot drop. **Methods Design:** Randomized controlled trial study. Method: 30 chronic stroke patients with foot drop were randomly divided into two experimental groups. The experimental group-1 received ankle eversion kinesiotope taping and ankle proprioceptive exercises (n=15), and the experimental group -2 received spring assisted kinesiotope taping and ankle proprioceptive exercises (n=15). Dynamic balance and gait velocity was assessed before and after 8 weeks of kinesiotope taping in both groups by using Tinetti index and TUG test. **Results:** The demographic variables of patients in both groups were comparable before the treatment ($p > 0.05$). After kinesiotope taping application, significant improvement was found in the Tinetti index and the TUG test for patients in the experimental group-1 ($p=0.01$). There were significant differences in the Tinetti index and TUG test between two experimental groups after treatment ($p < 0.05$). In terms of dynamic balance and gait velocity, we found significant improvement in balance ability ($p=0.01$) and gait speed ($p=0.01$) of the involved side in the experimental group-1 after ankle eversion kinesiotope taping application compared to the experimental group – 2 after spring assisted kinesiotope taping application. **Conclusion:** Ankle eversion kinesiotope taping and ankle proprioceptive exercises improved the dynamic balance and gait velocity of chronic stroke patients with foot drop.

159. Effectiveness of sprint training versus plyometric training on strength of knee musculature and agility in collegiate male cricket players

Polavaram teja A, Viswanathreddy A, Madhavi K.

Int Edu Sci Res J 2019;5:34-43.

Introduction: Cricket is a team game which place considerable demands on the physiological and neuromuscular system the muscular strength of lower limbs, agility, endurance, power, speed, etc are the important components of fitness for cricketers. Agility is the ability of the neuromuscular system to coordinate explosive changes of direction of an individual or multiple body segments in all planes of motion at variable velocities in an efficient and effective manner. Plyometrics are training techniques used by athletes in all types of sports to increase strength & explosiveness or power. Sprint running is also an explosive movement & commonly used as explosive exercise training in individuals & team sports. **Objectives:**

To evaluate the pre and post therapeutic values of strength (peak torque) of knee musculature and agility after sprint and plyometric training by using Iso kinetic analyser and Illinois agility test. **Methodology:** The study design is an experimental study which consists of 30 subjects with two groups namely, plyometric group and sprint group, each group consists of 15 subjects. And study duration was 6 weeks. Outcome measures are peak torque of knee muscles and Illinois agility test. **Results:** After the analysis, the results revealed significant improvement of strength of knee muscles in both the groups ($p < 0.00$). The subjects of plyometric group showed significant results when compared with sprint group. **Conclusion:** By comparing the difference between mean and standard deviation in both the groups, plyometric group has significant improvement of strength of knee musculature and agility than the sprint group.

160. Effectiveness of supervised vs unsupervised hip and knee strengthening exercises on pain, range of motion and functional activity in patello femoral pain syndrome individuals.

Siva Harish N, Shanti C, Madhavi K

Int Edu Sci Res J 2019;5:53-60.

Background: Patellofemoral pain syndrome is a common disorder of knee especially in females that causes functional impairments and reduces quality of life. **Objectives:** To study the effectiveness of hip and knee strengthening on PFPS individuals on pain variation measured by visual analog scale (VAS), range of motion (ROM) variation measured by goniometry and functional activities measured by lower extremity functional scale (LEFS). **METHODS** Forty four female subjects were randomly assigned into supervised and unsupervised groups with hip and knee strengthening for 4 weeks with 12 treatment sessions 3 times in a week. Patients were evaluated for pain by VAS, knee ROM by goniometer, and functional activity by LEFS were measured at before and after 4th week of treatment. **RESULTS** VAS, knee ROM and LEFS shows statistically significant ($p < 0.05$) improvement in both groups. **CONCLUSION** The present RCT shows effectiveness of hip and knee strengthening on pain, knee ROM and functional activity in female subjects with patellofemoral pain syndrome. The study shows improvement in both groups but supervised group is more effective than unsupervised group. Thus, this study concludes supervised hip and knee strengthening exercises is more effective in

treating the subjects with patellofemoral pain syndrome.

161. To study the efficacy of aerobic exercises and yogasanas on pain, menstrual distress, physical activity in subjects with primary Dysmenorrhea.

Saradha S, Madhavi K, Kavitha N.

Int Edu Sci Res J 2019;5:67-73.

Introduction: Primary dysmenorrhea is defined as pain in lower abdomen that occurs just before or during menstruation without any pelvic pathology which is one of the most common complaints of women and it continues for 8 hours to 3 days. The incidence of dysmenorrhea is 75% in adolescent girls with systemic symptoms such as headache [60%], lower back pain, nausea, vomiting, [80%] diarrhea [50%], irritability [30%]. The prevalence of dysmenorrhea is between 74% to 86.1%. Primary dysmenorrhea begins at the age of 15 to 17 yrs and persists to the maximum age of 20 to 24 yrs. The medical treatment for primary dysmenorrhea is non-steroidal anti-inflammatory drugs [NSAIDs], antidepressants, hormonal treatment such as oral contraceptives. Apart from medical therapy adjacent therapies like physiotherapy, yoga, ayurveda, homeopathy also plays a role. Other physiotherapy interventions used in treating dysmenorrhea are TENS, relaxation techniques, stretching's, massage and yoga asanas. Paucity of studies is found on effectiveness of exercise on dysmenorrhea as well as on physical activity. In primary dysmenorrhea, very few studies were done on pelvic floor exercises, lower limb exercises and yoga asanas which has its effect on pelvic floor muscles hence, the present study is to know the efficacy of aerobic exercises and yoga asanas on pain, menstrual distress and physical activity in subjects with primary dysmenorrhea. **Need of the study:** Many of studies have been done on effectiveness of exercises on symptoms of dysmenorrhea but very few studies were done on efficacy on pelvic floor exercises, lower limb exercises and yoga asanas on symptoms of dysmenorrhea. Hence, the need of the present study is to know efficacy of aerobic exercises and yoga asanas on pain, menstrual distress, physical activity in subjects with primary dysmenorrhea. Primary dysmenorrhea is highly prevalence in females. It affects the daily activity and quality of life during menstruation. There are hormonal effects on the lining of the uterus and increased level of circulator endorphins. Physical activity stimulates sympathetic activity thus exercises helps to decrease symptoms of primary dysmenorrhea. **Aim of**

the study: The aim of the present study is to find out the efficacy of aerobic exercises and yogasanas on pain, menstrual distress, physical activity, in subjects with primary dysmenorrhea. **Objectives:** -To find out the effect of aerobic exercises and yoga asanas on pain by using Mc Gill pain questionnaire in subjects with primary dysmenorrhea. -To find out the effect of aerobic exercises and yoga asanas on menstrual distress by using moon menstrual distress questionnaire in subjects with primary dysmenorrhea. -To find out the effect of aerobic exercise and yoga asanas on physical activity by using physical activity questionnaire in subjects with primary dysmenorrhea. **Methodology:** Study setup: Department of physiotherapy, in SVIMS University, Tirupati, AP Study design: experimental design Sampling method: randomized controlled trial. Study duration: 8 weeks Sample size: 64 subjects. Assuming that there will be a moderate change in the distress score or physical activity score. We have used Cohen's d method to find out the sample size using $d = 0.5$, power = 80 percentage and $\alpha = 0.05$, we got the minimal size for pre, post comparison as $N = 64$ [minimally]. However we took 80 members for the study. **Statistical Analysis:** The data on pain scores, distress questionnaire, and physical activity will be expected as mean and standard deviation in each group. Comparison between intervention groups is done by using T test or non parametric test. Categorical data is summarized as count and percentage. Results having $p < 0.05$ is considered as significant. Pre-post comparison is made using paired T test. **Inclusive Criteria:** With primary dysmenorrheal Subjects with Age group 18-25 years With a normal BMI exclusive criteria: Irregular or infrequent menstrual cycle PCOD. Intra uterine contraceptive devices. Individuals who use medications for pain. **Outcome Measures:** Mc Gill pain questionnaire is used to measure pain in units. Physical activity scale is measured using IPAQ in units. Distress measured using menstrual distress questionnaire in units. **Methodology:** In this study we have taken 64 subjects with primary dysmenorrhea. It is an experimental study. This study was conducted for 8 weeks in physiotherapy department, SVIMS University Tirupathi. Subjects included in the study who had primary dysmenorrhea, with age between 18 to 25 years, with normal BMI subjects who have irregular or infrequent menstrual cycle, PCOD, intra uterine contraceptive devices were excluded from the study. Baseline measurements are VAS scale, menstrual distress score, physical activity score, and anthropometric measurements. Subjects were randomly divided into two groups. Group I is given yoga

asanas for 8 weeks as explained on the annexure-II. Group II is given aerobic exercises for 8 weeks as explained on the annexure-III. VAS, menstrual distress, and physical activity scales, were measured before starting the intervention. After 8 weeks of intervention, the above outcome measures were recorded. **Conclusion:** The findings of the present study showed that both types of aerobic exercise and yogasanas were effective in reducing the intensity of primary dysmenorrhea. But aerobic exercises are more effective when compared to the yogasanas. In reducing pain, enhancing physical activity, alleviating mood levels.

162. Compare the effectiveness of Maitland mobilization and Mulligan mobilization with movement on functional index in females with knee osteoarthritis.

Saddam Hussain Shaik, Shanti C, Senthil Kumar K, Madhavi K.

Int Edu Sci Res J 2019;5:38-46.

Background: Osteoarthritis is defined as a heterogeneous group of conditions that lead to major public health problems that causes functional impairment and reduced quality of life. **Objectives:** To find out the effectiveness of Maitland mobilization and Mulligan mobilization with movement on muscular strength by Iso-kinetic analyzer, and functional performance by knee injury and osteoarthritis outcome scale (KOOS). Method: 40 female subjects were randomly assigned into Maitland mobilizations and mulligan mobilization with movement along with conventional therapy for 3 sessions per week for 6 weeks. Patients were evaluated of KOOS and Peak torque of knee extensors by Isokinetic were measured at pre, 3rd week and 6th week of treatment. **Results:** KOOS shows statistically significant ($p < 0.05$) improvement in 2 groups. In right Knee extension at 30 degrees shows highly significant ($p < 0.01$) between the groups, but left KE at 30 degrees shows insignificant. **Conclusion:** The present randomized control trial has investigated the effectiveness of Maitland mobilization and mulligan MWM along with conventional therapy on pain, symptoms, ADL, QOL, sports and recreations, and peak torque of the quadriceps in female subjects with knee osteoarthritis. The study shows improvement in both groups but Mulligan mobilization MWM is more effective than Maitland mobilization. Thus, this study concludes that the Mulligan's MWM is more effective in treating the subjects with knee OA.

2.0 Research Projects

Apart from rendering service to the patients, the faculty are actively involved in research activities under the financial assistance of Central, State Government and private funding agencies. The details of on-going projects are as follows:

2.1 Details of ongoing projects with extra mural funding agencies:

S. No.	Investigator	Funding Agency	Title of the Project	Grant of money (Rupees)
1.	PLEFF, Dr.Alladi Mohan, Dept. of Medicine.	Directorate General of Health Services, New Delhi	Evaluation of the efficacy of thrice weekly DOTS regimen in TB pleural effusion at six months (multicenter project).	11,27,743
2.	BIF Dr.A.Umamaheswari, Dept. of Bio-Informatics.	DBT, New Delhi	Creation of BIF for the promotion of Biology Teaching through Bio-Informatics (BTBI) scheme of BTISnet	1,25,35,000
3.	ICMR – HIV Vitamin D Dr.Alladi Mohan, Dept. of Medicine.	ICMR, New Delhi	A prospective Double-blind Randomized Controlled Trial (RCT) to determine the effect of Vitamin D supplementation of the development of active tuberculosis and pneumonia in HIV- infected individuals"	12,52,828
4.	ICMR - VRDL Dr.Usha Kalawat, Dept. of Microbiology	ICMR, New Delhi	"Establishment of a network of laboratories for managing epidemics and natural calamities"	2,77,21,099
5.	DST - FTYS Dr.C.Bhuvaneswari Devi, Dept. of Biotechnology	SERB, New Delhi	"Behavioural and Neurochemical alterations of manganese exposure in young and adult rats "	4,00,000
6.	SERB , Dr.Alladi Mohan, Dept. of Medicine.	Science & Engineering Research, New Delhi	To Study the effect of mobile phones on well being, sleep and cognitive function	25,75,000
7.	ICMR – Smoking Cessation Dr.Alladi Mohan, Dept. of Medicine.	ICMR, New Delhi	"Impact of package of intensive smoking cewsation interventions versus recommended, basic smoking cessation advice on outcomes in smear-smear-positive patients with pulmonary tuberculosis"	6,68,923
8.	NANO MISSION – PANCREATIC CANCER Dr.T.S.Ravi Kumar Ex-Director-Cum-VC, SVIMS	Ministry of Science & Technology Dept. of Science & Technology, New Delhi	" Development of a nanotheranostic tool for Pancreatic Cancer"	1,15,000
9.	Ramalingaswami Re-entry fellowship Dr.K.Siva Sankar Cfar , SVIMS	DBT New Delhi	" Exosome signaling via EBER-1 and EBER-2 and the regulatory role of lost BTB/POZ domain containing Zinc finger proteins. "	3,79,600

SBAVP Grant released for the calendar year 2019

i) For Faculty

S. No	Name	Title of the project	Grant Sanctioned Rs.
1	Dr N. Harini Devi Asst. Professor Biochemistry	To study the levels of urinary N-acetylglucosaminidase in patients with type 1 diabetesmellitus	87,450
2	Dr N. Harini Devi Asst. Professor Biochemistry	Association of bone isoform of alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus	39,750

3	Dr N. Harini Devi Asst. Professor Biochemistry	To study the association of salivary urea with oral hygiene index in pre dialysis patients with chronic kidney disease	18,000
4	Dr A.Y. Lakshmi Professor, Radiology	Study of changes in the mean diffusivity and fractional anisotropy in intra axial brain lesions and its utility in management	3,20,000
5	Dr B. Viajya lakshmi Devi, Professor, Radiology	Prospective study of whole body diffusion weighted MRI compared with 18F FDG PET-CT in staging of lymphomas	3,46,000
6	Dr Tekchand Kalawat Professor Nuclear Medicine	Evaluation of 99mTc sulfur colloid labelled meal Gastric emptying study for evaluation of gastroparesis in diabetic patients	2,91,500
7	Dr V. Vanajakshamma Professor Cardiology	Screening of employees of SVIMS hospital (a tertiary care hospital) aged=40 years for their health status	23,39,460
8	Dr V. Vanajakshamma Professor Cardiology	Effect of 'Heartfulness' meditation practices in hypertensive patients	7,29,120
9	Dr B. Vijayalakshmi Devi, Professor Radiology	Diagnostic performance of pirads v2 for detection of prostate cancer	3,20,000
10	Dr MM. Suchitra Assoc. Professor Biochemistry	Glycated albumin and glycated hemoglobin levels in non diabetic subjects with iron deficiency anemia	1,85,100
11	Dr A.Y. Lakshmi Professor Radiology	Utility of perfusion weighted MRI and MR spectroscopy in intra cerebral glioma grading	5,11,500
12	Dr H. Narendra Professor & HoD Surgical Oncology	Dynamic contrast enhanced magnetic resonance imaging vs 18-F FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer	15,60,000
13	Dr Aparna R Bitla Professor Biochemistry	Study of association of eGFR using different equations with hypertensive renal damage	52,800
14	Dr V.S. Kiranmyi Assoc. Professor Biochemistry	Study of high sensitivity C-reactive protein levels in apparently healthy overweight and obese individuals	71,400
15	Dr N. Harini Devi Assoc. Professor Biochemistry	To Study the association between anthropometric indices, lipid accumulation product and atherogenic indices among the adolescents	54,000
16	Dr Sharan B Singh Professor & HoD Physiology	Effect of cow ghee on lipid profile changes and lipid peroxidation in healthy human volunteers before and after consuming ghee	1,08,600
17	Dr Alok Sachan Professor & HoD Endocrinology	Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to autonomic neuropathy	3,26,000

18	Dr V. Suresh Professor Endocrinology	A study on the effect of treatment on the prevalence of and ultrasonological grading of non-alcoholic liver disease in patients with hypothyroidism	2,68,000
19	Dr R.Ram Professor & HoD Nephrology	A study of oxidative stress, inflammation and Endothelial dysfunction in diabetic and non-diabetic Chronic kidney disease pre-dialysis patients	3,58,200
20	Dr R. Ram Professor & HoD Nephrology	Gonadal function and body composition in adult men with non diabetic chronic kidney disease (predialysis)	4,52,500
21	Dr A. Mohan Prof. & HoD Medicine	Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis	3,20,000

ii) MD/DM/MCh Post Graduates

S. No	Name	Title of the project	Grant Sanctioned Rs..
1.	Dr C. Keerthi Postgraduate Junior Resident in MD (Transfusion Medicine)	Serological characterization of autoantibodies in patients with direct antiglobulin test positive autoimmune hemolytic anemia at a tertiary care teaching hospital in Tirupati	50,000/-
2.	Dr P. Jyothsna Postgraduate Junior Resident in MD (Biochemistry)	Glycated albumin and glycated hemoglobin levels in non diabetic subjects with iron deficiency anemia	32,598/-
3.	Dr K. Hemsai Postgraduate Junior Resident in MD (Medicine)	Aetiology, clinical and haematological profile of patients with Macrocytic Anaemia, a prospective study	31,410/-
4.	Dr P. Seelabanu Postgraduate Junior Resident in MD (Medicine)	To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus	10,800/-
5.	Dr K. Naveen Kumar PG Sr. Resident (Nephrology)	A study of oxidative stress, inflammation and Endothelial dysfunction in diabetic and non-diabetic Chronic kidney disease pre-dialysis patients	50,000/-
6.	Dr Avinash Patil PG Sr. Resident (Endocrinology)	Body composition and mediators of energy homeostasis in hyperthyroidism	1,59,300/-
7.	Dr B. Soumia P.G. Jr. resident (Pathology)	Study of KRAS, MLH1,MSH2 and MSH6 mutations in colorectal adenocarcinoma using Immunohistochemistry	50,000/-
8.	Dr E. Krishna Chaithanya P.G. Jr. resident (Pathology)	Molecular characterization of malignant epithelial ovarian tumours with the help of IHC markers KRAS, BRAF,PTEN,PIK3CA & P53	50,000/-

3.0 Journal of clinical and Scientific Research

Editorial Board:	Hon.Editor-in-Chief	-	Dr B. Vengamma
	Exec.Editor-in-Chief	-	Dr PVLN. Srinivasa Rao

The major objectives of Sri Venkateswara Institute of Medical Sciences include creating a centre of excellence for providing medical care, educational and research facilities of a high order in the field of medical sciences, developing patterns of teaching so as to set a high standard of medical education. As part of achieving this objective, the need for bringing out a peer-reviewed journals was felt.

The Journal of Clinical and Scientific Research (JCSR) was born in the year 2012. The JCSR is published quarterly, both in print and online formats and the “fee full-text” is placed in the Journal website. The journal has grown fast and attracted 563 submissions in its first eight years from across the world. Journal of Clinical and Scientific Research is indexed in CrossRef, CrossCheck, Index Copernicus, Academic Index, Open J-gate, Journal Seek, Indian Science Abstracts, Geneva Foundation for Medical Education and Research, NewJour, Academic Journals Database, Research Bible and Directory of Research Journals Indexing (DRJI).

This peer-reviewed journal promotes electronic submission and fast-track processing with submission to decision time of 3 months. This fast-track processing time and presence of free-full text online will be a boon to young researchers who wish to publish their research work. Also, no fees are charged for submission, processing and publication by the journal. Thus, Journal of Clinical and Scientific Research encourages vibrant young faculty researchers and postgraduates to submit their work for publication in the journal. So far, 32 issues have been published. The journal gets distributed to all the Medical Colleges, Medical Institutions, Medical Universities, Research and Development institutions in the country.

From 2014, the journal, to facilitate disseminating of content has introduced QR code, similarity (plagiarism) check using iThenticate®, DOI for access of full text articles. From 2018, the journal is being hosted by M/s Wolters Kluwer

BEST PAPER AWARD

JCSR, with the intention of encouraging the contributors, is presenting “Best Paper Awards”, one each under “Original Article” and “Case Report” Categories. The articles published in the year 2019 (Volume 8 Issues 1-4) were examined by three experts for each category and the Best Paper under each of the categories were identified. The “Best Papers” for the year 2019 are listed below:

Under “**Original Article**” Category

Sridhar C, Seshadri S, Sameeraja V. A study of association of ankle-brachial Index with cardiovascular risk factors in type 2 diabetes mellitus. J Clin Sci Res 2019;8:177-81.

Under “**Case Report**” Category

Vanka PK, Chandra N, Uppin SG, Ganji S, Subbalaxmi MV. Rare presentation of sickle cell anaemia with marrow necrosis precipitated by Pandorea sp., infection. J Clin Sci Res 2019;8:201-3.

The authors shall be issued a merit certificate on the University Anniversary day, 26th February 2020. Hope this will stimulate the contributors to send their best work to our journal.

B. Vengamma

Hon. Editor-in-Chief



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



V. HUMAN RESOURCE DEVELOPMENT



V. Human Resource Development

1.0 Degrees conferred

During the academic year 2018 – 19, 467 students have successfully completed their academic programme and were eligible for award of degrees/diplomas during the 10th Convocation scheduled to be held in February/March, 2020.

1.1 DM/ MCh Courses

S. No.	Name	Branch
1	Dr Naga Narasimha Reddy	Cardiology
2	Dr Palem Sumanth Reddy	Cardiology
3	Dr Praveen Kumar Reddy	Cardiology
4	Dr Suresh Babu Tupakula	Cardiology
5	Dr Mani Deepthi Dasari	Endocrinology
6	Dr K. Raghavendra	Endocrinology
7	Dr Ram Prahlad K.M	Medical Onco.
8	Dr B. Sreekanth	Medical Onco.
9	Dr Nannapaneni Sai Sameera	Nephrology
10	Dr Sunnesh Reddy Anapalli	Nephrology
11	Dr Pynam Pranuthi	Neurology
12	Dr PSSS Neelima Ch	Neurology
13	Dr Rakesh Reddy Reddigari	Neurology
14	Dr Chilekampalli Konda Reddy	Urology
15	Dr A. Jai Babu	Urology
16	Dr Ravi Sankar Karupothula	Urology
17	Dr Manoj B	Urology
18	Dr Jagtap Rukmaji Prakash Rao	Neurosurgery
19	Dr Paradesi Rajesh	Neurosurgery
20	Dr Vivek Sharma	Neurosurgery
21	Dr D.V. Narayana Reddy	Surgical G.E
22	Dr Guru Raghavendra Naik. M	Surgical Onco.
23	Dr V. Naresh Kumar	Surgical Onco.

1.2 MD Courses

S. No.	Name	Branch
1	Bhargavi Thota	Anaesthesia
2	Ediga Adilakshmi	Anaesthesia
3	Kuraparthi Jasmitha	Anaesthesia
4	Swehta Silpa Udatha	Anaesthesia
5	N. Lakshmanna	Biochemistry
6	S. Noble Ujesh	Microbiology
7	Anjali Praveen	Medicine
8	Niveditha Gajjala	Medicine
9	M. Soumya	Medicine
10	Pabbu Achitha	Pathology
11	Udayagiri Divya Sree	Pathology
12	Pettikota Masthan Basha	Radiotherapy
13	Ashok Hussain Karumanchi	Radio-diagnosis
14	Harikishore Kamepalli	Radio-diagnosis
15	Jannu Sowjanya	Emerg. Med.
16	P. Subramanyam	Emerg. Med.
17	Lolla C N Durga Praveen	Nucl. Medicine
18	S. Muneendra Kumar	Nucl. Medicine
19	Dr.T.V.N.Sriranjitha	Transf. Med.

PhD Degree

For the year 2018 – 19, the institute has awarded six Ph.D. degrees in Medical, Paramedical and Allied Health Sciences

1.3 Ph.D

S.No.	Name	Registered under	Department of study
1	K.Rama	Allied Health Sciences	Biochemistry
2	G.Sarvari	Medical	Biochemistry
3	G.Sowjenya	Allied Health Sciences	Cardiology
4	K.Sreedharnaik	Allied Health Sciences	Cardiology
5	M.Nagaraja	Medical	Microbiology
6	P.Santhosh Kumar	Allied Health Sciences	Biotechnology
7.	Pullaiah Pasupuleti	Medical	Biochemistry
8.	T. Sasikala	Medical	Biochemistry
9.	S. Naresh	Medical	Biochemistry

1.4 M.B.B.S

S.No.	Name	S.No.	Name	S.No.	Name
1	P.Aashrita	28	Ch. Indira Gandhi	55	C.Meghana
2	V.Amulya	29	Baireddy. Jahnvi Reddy	56	K.Meghasri
3	M.Anusha	30	A.Jaya Prathyusha.	57	K.Monica
4	Shaik.Asifa	31	K.Jeevitha	58	G.Mounika Bhushan
5	A.S.Beaulaw	32	P.Jhansi	59	P.Naga Lakshmi Prasanna
6	K.P Bhanu swetha	33	B.Jyothi	60	G.Naga Lakshmi Prasanna
7	P.Bharathi	34	M.Jyothsna	61	P.Neha
8	B.Bhavya	35	P.Kanchanamala	62	S.Niharika
9	M.P.Chaithra	36	A.V.Kaumudi	63	M.Nikhitha
10	J.Chandana	37	P.Kavitha Krishna	64	P.Nikhita Krishna
11	Y.Chandini	38	C.Kavitha	65	N.Nishitha
12	K.Deepthi	39	M.Kavitha	66	P.Nivedita
13	G.Dharani	40	N.Kavya Sree	67	P.Padma Priyanka
14	A.Divya	41	K.Keerthana	68	Marti Padmasri
15	M.Divyanageswari	42	C.Krishnavalli	69	K.Pavithra
16	K.Eswari	43	D.Lakshmi Sowmya	70	P.Poojitha
17	S.Geetha Sushma	44	V.Laya	71	B.Pranathi
18	D.Gouri	45	C. Likhita Madhuri	72	V.Pranitha
19	S.Hari Priya	46	R.Madhavi	73	Ankam.Preethi
20	K.Harshitha Reddy	47	D.Madhuri	74	T.Priyanka
21	Y.Hannah Harshitha	48	N.Madhuri	75	P.Priyanka
22	Chenchu.Harshitha	49	C.Maheeja Sai	76	N.Radha Samyuktha Reddy
23	K.Harshitha	50	M.Malleswari	77	D.Raga Sree
24	G.R.Heera	51	G. Mamatha	78	T.Ravali
25	P.Hema Raja Sri	52	R.Manasa	79	Shaik Rehana
26	G. Hima Bindu	53	B.Manojna	80	K.Renuka
27	M. Himaja	54	U.Meena	81	T.Revathi

S.No.	Name	S.No.	Name	S.No.	Name
82	N. Sahithya Sri Lakshmi.	99	T.Sravani	116	M.Tejaswini
83	R. Sai Anjani.	100	D.Sravanthi	117	K.Thejaswini
84	N.Sai Lakshmi	101	K.Sravanthi	118	P.Uma Maheswari
85	P Sai Preethi	102	D.Sree Latha	119	J.Usha Sree
86	R.Sai Rishita	103	G.Sreeja	120	S.Ushasree
87	E .Sai Sravani	104	B.Sreelatha	121	B.Vandana
88	R.Sai Sunanda	105	Challa.Sri Venkata	122	V.Varija
89	M.Saikerthi	106	B Sthuthi	123	M.Varsha
90	A.Samhitha.	107	A.Subha	124	D.Vennela
91	D.Sanjana Krishna Reddy	108	N.Sugandhini	125	M.Vidya Bhavani
92	Shaik. Nazia Noorani	109	Senchu Garla Sujatha	126	N.Vijaya Kumari
93	K.Sireesha	110	G.Supriya Chowdary	127	P.Vijayalakshmi
94	G.Sirisha	111	S. Swathi	128	Chiruvella.Yamini Krishna
95	K.Sirisha	112	E.Swetha	129	T.G.Yamini
96	K.Siva Santhoshi Rupa Devi	113	S.Swetha	130	S.Yeshaswini
97	B.Sravana Deepika	114	S.Tarana		
98	MaramreddY.Sravani	115	G.Tejaswi		

1.4 MSc Nursing

S.No.	Name	Speciality	S.No.	Name	Speciality
1	V. Himabindu	Paedia. Nursing	17	Pasam Vijay	-do-
2	A. Leelavathi	-do-	18	Seelam Anusha	-do-
3	Chellampalyam Rambabu	-do-	19	Malipattu Susmitha	Obstetrics & Gynaecology Nursing
4	Komala Sesha Kumar	-do-	20	Parasuramannagari Sunanda	-do-
5	R.Veena Bai	-do-	21	Sailaja Pandigunta	-do-
6	Suvvari Swathi	-do-	22	Settipalli Sumalatha	-do-
7	Pullagura Anil Kumar	-do-	23	Surasura Dhanusha	-do-
8	Ballagiri Rupa	Community Health Nursing	24	V.Divysri	-do-
9	Gudi Roja	-do-	25	M.Uhaa	Psychiatric Nursing
10	Neela Roja	-do-	26	Katakam Jhansi Ramani	-do-
11	Somesula Sandhya Rani	-do-	27	S.Kanmani	-do-
12	Sree Vani G H	-do-	28	Shaik Nayaz	-do-
13	K Deepthi	Medical Surgical Nursing	29	T.Kalpana	-do-
14	Thogata Leela Lavanya	-do-	30	Kalavakunta Leela	Community Health Nursing
15	D.Asha Latha	-do-			
16	Masireddy Ithihasa	Medical-Surg. Nursing			

1.6. Master of Physiotherapy

S.No.	Name	Speciality
1	S. Anjani	Cardiovascular & Pulmonary
2	P.R. Charan Kumar	Cardiovascular & Pulmonary
3	S. Saradha	Cardiovascular & Pulmonary
4	K. Himabindu	Neurology
5	Shaik Rabiya	Neurology
6	V. Sri Sai Vaishnavi	Neurology

S.No.	Name	Speciality
7	M.L. Ramya Krishna	Orthopaedics
8	N. Siva Harish	Orthopaedics
9	P. Sruthi	Orthopaedics
10	K. Nagarjuna	Sports
11	A. Navyasri	Sports
12	P. Teja	Sports

1.7 MSc Medical courses

S.No.	Name	Speciality
1	K.Ravichandra Babu	Anatomy
2	Sai Krishna	Anatomy
3	R.D.Priya	Biochemistry
4	B Sandhya	Biochemistry
5	E Sukanya	Biochemistry

S.No.	Name	Speciality
6	P Sneha	Microbiology
7	K Sheela Grace	Microbiology
8	S.Allabaksh	Physiology
9	E.Annaiah	Physiology

1.8 MSc (AHS) Courses

S.No.	Name	Speciality
1	P.Dilip Vardhan	Cardiac Catheterization and Interventional Technology

S.No.	Name	Speciality
2	C. Mahesh	Dialysis Technology
3	T. Nagalakshmi	Dialysis Technology

1.9 MSc Life Sciences Courses

S.No.	Name	Speciality
1	S. Aashritha	Biotechnology
2	T. Amogha	Biotechnology
3	K. Chittemma	Biotechnology
4	Sk. Hamad Sharif	Biotechnology
5	P. Kanaka Sairam	Biotechnology
6	KVNS Krishnavardhini	Biotechnology
7	P. Lokesh	Biotechnology
8	N. Manemma	Biotechnology
9	A. Mounika	Biotechnology

S.No.	Name	Speciality
10	M. Parvathi	Biotechnology
11	C. Prasanthi	Biotechnology
12	E. Pushpalatha	Biotechnology
13	K. Surya	Biotechnology
14	M. Swetha	Biotechnology
15	G. Vishnu Sai	Biotechnology
16	V. Chinnapullaiah	Bioinformatics
17	L.S. Divya	Bioinformatics
18	K. Veena	Bioinformatics

1.10 BSc Nursing

S.No.	Name	S.No.	Name	S.No.	Name
1	D.Ayesha	34	K.Kalpana	67	M.Reddy Mounika
2	P.Hemalatha	35	P.Kavitha	68	S.Reshma
3	V.Ranjitha	36	P.Kousalya	69	M.Roja
4	K.Aashiq	37	T.Kullayamma	70	G.Sai Geetha
5	K.Archana	38	N.Lahari	71	B.Sai Rahitya
6	T.Arun Kumar Reddy	39	P.Lakshmi	72	S.Sana
7	B.Ashraf Ali	40	V.Lalithya	73	N.Sandhya
8	M.Aswini	41	M.Lashitha	74	G.Sekhar
9	K.Chamundeswari	42	R.Leela Reddy	75	S.Sheehana Bhee
10	B.Chandana	43	G.Leelavathi	76	A.Shobarani
11	N.Chandra Sekhar	44	N.Lokeswari	77	C.Sirisha
12	B.Dakshani	45	Ch.Madhu Babu	78	V.Snehalatha
13	S.Devi	46	V.Madhuri	79	B.Sravani
14	P.Dilliprasanna	47	K.K.Maheswari	80	B.Sreevani
15	E.Divya	48	R.Maheswari	81	C.Srilatha
16	G.Divya	49	V.Mercy	82	C.Sujatha
17	K.Divya	50	S.Mohammed Ali	83	C.Suresh
18	G.Gangaprasad	51	P.Monisha	84	K.Suryakala
19	T.Hanumantha Rao	52	V.Moulika	85	Y.Suvarna
20	P.Harathi	53	CH.Mounika	86	C.Swathi
21	N.Hareesh	54	V.Nadiya	87	C.Swathi
22	P.Haritha	55	M.Nagaraju Naik	88	P.Swathi
23	T.Hima Bindu	56	D.Narmada	89	D.Teja
24	P.Hindumathi	57	A.Neeraja	90	M.Thasleem
25	G.Hiranyavarna	58	M.Pavithra	91	B.Usha
26	N.Hymavathi	59	P.Peace Pershyal	92	C.Usha
27	Y.Hyny	60	K.Poojitha	93	T.Vaishnavi
28	B.Jansi	61	R.Prasanna	94	S.Vanitha
29	M.Jayalakshmi	62	K.R.Preethi	95	M.Veerabadramma
30	C.Jayaprada	63	K.Radhika	96	T.Vineetha
31	B.Jeevitha	64	P.Rajeswari	97	M.Zephaniah
32	B.Jessi Sisili	65	P.Ramu		
33	R.Jyoshna	66	S.Reddy Bhavitha		

1.11 Bachelor of Physiotherapy

S.No.	Name	S.No.	Name	S.No.	Name
1	P.Aswani	12	T.Meena	23	P.Srilekha
2	A.Chemanthi	13	T.Mounika	24	G.Suma
3	M.Chinnaswamy Reddy	14	L.Niranjana	25	N.Swarna Latha
4	T.Eswari	15	B.Pavani	26	S.Vaheeda
5	S.Heena	16	K.Pranaya	27	D.Vigneswari
6	N.Jagadeesh	17	G.Priyanka	28	T.Vinitha
7	V. Jaya Krishna Yadav	18	S.Rajeswari	29	T.Balaji Babu
8	T.M.Keerthana	19	M.Renuka Amareswari	30	B.Priyanka
9	K.M.Krishnaveni	20	S.Roshini	31	S.Sathesh
10	D.Lasyasree	21	M.Saranya	32	D.Sneha
11	G.Lokesh	22	S.Shahira	33	K.Alekhyia

1.12 B.Sc. Paramedical courses including 1 year compulsory internship

S.No.	Name	Speciality	S.No.	Name	Speciality
1	T.Narasimha Reddy	NMT	28	K.Kiran	DT
2	Y.Sravani	MLT	29	B.Hari Priya	EMST
3	M.Lalasa	AT	30	V.Meenakshi	EMST
4	M.Lalithya	AT	31	S.Saikumar	EMST
5	M. Sumabhavana	AT	32	B.Vivek	EMST
6	K.Nandini	AT	33	C.Harika	MLT
7	T.Pavithra	AT	34	T.Irfan	MLT
8	K.Prashanth	AT	35	J.Kishan Naik	MLT
9	G.Rajeswari	AT	36	K.Maheswari	MLT
10	Y. S.Rekha	AT	37	L.Navya	MLT
11	G.Revathi	AT	38	P.Pavani	MLT
12	G.Sandhya	AT	39	M.Swarna	MLT
13	B.Gayathri	AT	40	S.Vaseem Akram	MLT
14	P.Shahida	CPPT	41	D.Vijay Babu	MLT
15	Y.Sowmya	CPPT	42	M.Vijaya Nirmala	MLT
16	T.Anvesh Sai	CVT	43	P. T.Priyanka	NMT
17	S.Nithya	CVT	44	N.Pujitha	NMT
18	C.Padma Priya	CVT	45	G.Anusha	NPT
19	K.Prathima	CVT	46	S.Mohaseena	NPT
20	P.M.Shifa Khannan	CVT	47	P.Divya	RIT
21	P.Tripoorna	CVT	48	S.Karishma	RIT
22	P.Leelasiva sai	DT	49	G.Mohini Latha	RIT
23	A.Mounica	DT	50	S.Satyananda Sivasagar	RIT
24	K.Nagarjuna	DT	51	E.Sireesha	RIT
25	T.Pavani	DT	52	R.C Srinivasulu	RIT
26	G.Salma	DT	53	M.Sunil Kumar	RIT
27	T.Vaishnavi	DT	54	V.Surendra	RIT
			55	P.Teja	RIT

1.13 P.G. Diploma in Paramedical courses

S.No.	Name	Speciality
1	B. Madhu	MRS
2	J. Manaiiah	MRS
3	SK Nagoor Basha	MRS
4	G. Parasuram	MRS
5	S. Roja	MRS
6	B. Seetha	MRS
7	D. Chandra Babu	DT

S.No.	Name	Speciality
8	D. Chinna Yellaiah	DT
9	M. Kiran Naick	DT
10	C. Kumar	DT
11	P. Nasiruddin	DT
12	M. Rajendran	DT
13	K. Siva Ramudu	DT
14	B. Vahidha	DT

1.14 Post Basic Diploma in Nursing

S.No.	Name	Speciality
1	D. Mounika	Cardiac intensive care and catheterization laboratory nursing
2	K.Kinnera	-do-
3	Ravi Chaitanya	-do-
4	B.Reddy Geetha	-do-
5	U.Viswanadh Bodhi	-do-
6	K.Mounika	C.T. Surgery
7	N.R.Mounika	-do-

S.No.	Name	Speciality
8	V. Mahesh	-do-
9	S.Muzeer Ahmed	-do-
10	A. Nagapraneetha	-do-
11	T. Lalitha	Peritoneal Dialysis
12	G. Sowjanya	-do-
13	B.Ashok	Haemo Dialysis
14	S.Ayesha	-do-
15	B.Johnson	Renal Transplantation

1.15 Diploma in Radiotherapy Technology

S.No.	Name
1	K.Rudra Prakash
2	M.Giri Babu

S.No.	Name
3	P.Karthik
4	S.Soniya

National Academic Depository (NAD) :

2017 and 2018 Degrees submitted to NDML for digitization.

Uploading of Students Marks Data in Jnanabhumi Website:

The students marks data upto August-2019 sessions had uploaded in Jananabhumi Portal.

Anti Plagiarism Detection Software:

The UGC has provided access to ÜRKUND” anti plagiarism Detection Software to the university and plagiarism check for all Theses/ Dissertations submitted by PG Medical / Ph.D. students has taken up from January, 2020 onwards.

2.0 Training to the students of other institutions

The request of students from other institutions for observership/specialty training will be accepted for short-term training for varying periods (up to 4 months) in a specialty/specialties available in the institute subject to fulfillment of the conditions and availability of vacancy. Those who desire to receive training have to send the filled in application form, available in SVIMS website, through proper channel.

For the calendar year 2019, 889 students from various institutes have undergone training. The details are as follows:

2.1 DM Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
1 2 3 4 5 6	Dr C. Rakesh Durai Dr Myvizhiselvi M Dr Murukanantham Dr A Poondodi Dr T. Sugan Gandhi Dr K. Sathya Sagar	Nephrology	Madras Medical College, Chennai	9th – 23rd March 2019	Nephrology

2.2 MD Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
7 8	Dr Manoj Sai Dr A.Swetha Rani	General Medicine	Santhiram Medical College, Nandyal	7th January - 7th March 2019	Cardiology Emergency Medicine Neurology
9	Dr M. Ysaswini	General Medicine	Santhiram Medical College, Nandyal	7th January - 7th March 2019	Neurology Rheumatology Cardiology
10	Dr N.Rajiv Mohan	General Medicine	Rangaraya Medical College, Kakinada	16th February - 30th March 2019	Nephrology Medical Oncology
11	Dr E.Hema Kumari	General Medicine	Siddhartha Medical College, Vijayawada	15th - 28th February 2019	Endocrinology
12	Dr A. Manimeghana	Anaesthesia	S.V.Medical College, Tirupati	1st -31st Mar-19	Anaesthesiology
13	Dr S. Albeena	Anaesthesia	S.V. Medical College, Tirupati	1st - 30th Apr-19	Anaesthesiology
14	Dr P. Raghavendra	Radiology	Santhiram Medical College, Nandyal	2nd – 30th Apr-19	Radiology
15	Dr C.Sowjanya	Anaesthesia	S.V.Medical College, Tirupati	1st -31st May-19	Anaesthesiology
16 17 18 19	Dr P.Karthik Reddy Dr K. Ravindranath Reddy Dr R.Sandesh Kumar Reddy Dr V.Anusha	General Medicine	Kurnool Medical College, Kurnool	4th - 30th Jun-19 1st - 15th July 2019 16th - 31st July 2019	Neurology Medical Oncology Rheumatology
20 21 22	Dr M.V.S. Vijay Kumar Dr K. Sreekanth Reddy Dr M.Jayarama Krishna	General Medicine	Kurnool Medical College, Kurnool	1st – 31st July 2019 4th – 15th June 2019 16th – 30th June 2019	Neurology Medical Oncology Rheumatology

Annual Report 2019

S. No	Name	Course	Institution	Period of Posting	Place of Posting
23	Dr S.Bhagavath Geetha	Pulmology	S. V .Medical College, Tirupati	4th – 17th July 2019 18th – 17th August 2019 18th – 3rd September 2019	Radiology Cardiology RICU
24	Dr K.Siva Kumar	General Medicine	Kurnool Medical College, Kurnool	1st- August -30th September 2019	Neurology Medical Oncology
25	Dr C.Kedarnath Goud				
26	Dr S.Venkata Kiran				
27	Dr A.Tejeswara Reddy				
28	Dr K.Dayakar				
29	Dr L.Praveen				
30	Dr K.Teja				
31	Dr K.Divya Yadav	General Medicine	RIMS, Kadapa	1st – August 2019 to 31st October 2019	Neurology Cardiology Endocrinology Nephrology
32	Dr M.N.Suresh				
33	Dr B.Bindu				
34	Dr A.Sasidhar				
35	Dr Gopi Reddy Nitya	Pathology	NRI Institute of Medical Sciences, Visakhapatnam	5th – September 4th – December 19	Pathology
36	Dr B.Ramesh Naik	Neurology	Santhiram Medical College, Nandyal	4th – September, 3rd – October 2019	Neurology
37	Dr K.Krishna Chaitanya				
38	Dr M. V. Narayana Reddy				
39	Dr K.Santhosh Kumar	General Medicine	Maharajah's Institute of Medical Sciences, Vizianagaram	1st – 31st October 2019	Cardiology Emergency -Medicine Radiology Neurology
40	Dr J.Suneel				
41	Dr N.M.S.Anil Kumar				
42	Dr V.Sai Ramya	General Medicine	Siddhartha Medical College, Vijayawada	1st October – 30th November 2019	Surgical GE Neurology Nephrology Cardiology
43	Dr K.S.S.S. Surya Prakash				
44	Dr K.Jaya Sree Lakshmi				
45	Dr M. Roopa	MD General Medicine	Kurnool Medical College, Kurnool	3rd October – 15th November 2019	Neurology Medical Oncology Rheumatology
46	Dr C.A.S. Bharath Kumar				
47	Dr G.Padmavathi				
48	Dr P.Christa Jasmitha Rani				
49	Dr S.Supriya				
50	Dr C.V.Sheshadri				
51	Dr S.Sruthi Reddy	MD General Medicine	Santhiram Medical College, Nandyal	9th October – 8th November 2019	Neurology
52	Dr S.Fozia Sultana				
53	Dr P.Lakshmi Bhavana				
54	Dr M.Pavani				

S. No	Name	Course	Institution	Period of Posting	Place of Posting
55 56 57 58	Dr B.Mounika Dr K.Anusha Dr Joshua Joan Stephenovana Dr S.Lakshmi Sarath Chandra	Psychiatry) and DPM	S.V.Medical College, Tirupati	1st – 31st October 2019	Neurology
59 60 61 62 63 64	Dr JD. Manoj Kumar Dr S S Rama Kalyana Praveen Dr Imran Bashkhadri Syed Dr B. Satish Babu Dr V. Varun Kumar Dr Joel Jacob	General Medicine	Government Medical College, Kadapa	1st December 2019 to 31st January 2020 Nephrology	Neurology Endocrinology
65	Dr G.P. Amrutha Priya	ENT	S.V. Medical College, Tirupati	2nd December – 1st January 2020	Surgical Oncology
66 67 68 69 70 71	Dr M.Roopa Dr C.A.S. Bharath Kumar Dr G.Padmavathi Dr P.Christa Jasmitha Rani Dr S.Supriya Dr C.V.Sheshadri	MD General Medicine	Kurnool Medical College, Kurnool	3rd – 31st October 2019 16th – 30th November 2019 1st – 15th November 2019	Neurology Medical Oncology Rheumatology
72	Dr P.Lakshmi	MD Radio Diagnosis	PESIMSR, Kuppam	11th – 25th December 2019	Radio Diagnosis

MS Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
73 74	Dr V. Sravan Kumar Dr S. Madan	ENT General Surgery	Rajiv Gandhi Institute of Medical Sciences, Kadapa S. V. Medical College, Tirupati	1st - 28th February 2019 9th – 30th April 2019 1st – 30th September 2019	Surgical Oncology Surgical Oncology Surgical GE
75 76	Dr P.Karthik Dr Yadhu Krishna	General Surgery General Surgery	S. V. Medical College, Tirupati S. V. Medical College, Tirupati	9th – 30th April 2019 1st - 31st May 2019 2nd – 31st May 2019 1st – 30th June 2019	Surgical Oncology Surgical GE Surgical GE Surgical Oncology
77	Dr R. Likhith Kumar	General Surgery	S. V. Medical College, Tirupati	1st – 30th June 2019 1st - 31st July 2019	Surgical GE Surgical Oncology

78	Dr Aseesh Varma V	General Surgery	PES Institute of Medical Sciences & Research, Kuppam	2nd – 15th July 2019	Surgical Oncology Cardiothoracic Surgery
79	Dr Achuith E			16th – 31st July 2019	
80	Dr Penchala Reddy N				
81	Dr Aswath Kumar V			2nd – 15th July 2019	Cardiothoracic Surgery Surgical Oncology
82	Dr Manasa B			16th – 31st July 2019	
83	Dr Sagar Reddy G				
84	Dr Harsha Vardhan Reddy	General Surgery	S.V. Medical College, Tirupati	3rd July 2019	Surgical GE Surgical Oncology
85	Dr Sai Anugna			31st December 2019	
86	Dr Jyoshna				
87	Dr Ananth	General Surgery	Rangaraya Medical College, Kakinada	2nd to 31st July 2019	Surgical GE
88	Dr Ashok				
89	Dr Raj Sekhar				
90	Dr Chandana				
91	Dr Naga Sri			1st to 31st August 2019	
92	Dr Srinivas				
93	Dr P. Pavan Kumar	General Surgery	S.V. Medical College, Tirupati	1st – August 2019 –	Surgical GE Surgical Oncology
94	Dr G. Mahesh Babu			30th September 2019	
95	Dr M. Ragavi	OBG	S.V. Medical College, Tirupati	1st – 31st August 2019	Surgical Oncology Endocrinology Radiotherapy
96	Dr A. Rajitha				
97	Dr P. Sai Indu				
98	Dr T.Kanimozhi				
99	Dr S. Cyril Prabha				
100	Dr B. Mamatha				
101	Dr P. Vashali				
102	Dr P. Sasikala				
103	Dr B. Haritha				
104	Dr A.Jessic				
105	Dr N.Sudha Ramani				
106	Dr M.Jaitun Ruman				
107	Dr V. Sravanthi				
108	Dr P.Sreevani				
109	Dr M. Sowmya				
110	Dr R.Akhila				
111	Dr R.Harini				
112	Dr M.Z. Sulthana	General Surgery	S.V. Medical College, Tirupati	4th September to 3rd October 2019	Surgical GE Surgical Oncology
113	Dr CH.Pranusha			1st - 28th February-19	
114	Dr P. Praveen Kumar			3rd – 30th September 2019 1st – 31st October-19	
115	Dr P.Sindhu	General Surgery	Rangaraya Medical College, Kakinada	1st – 31st October 2019	Surgical GE
116	Dr Sathi Ram Sanjeev Reddy				

117	Dr K Srikanth			1st – 30	
118	Dr N Raja Rao			November 2019	
119	Dr M. Silpa	Ophthalmology	S.V.Medical College, Tirupati	1st – 30	Radiology Neurology
120	Dr C. Saipriyanka			October 2019	
121	Dr B.C.Rama Thulasi				
122	Dr M.Ramya Sree				
123	Dr B. Swetha				
124	Dr G.K. Shambhavi				
125	Dr T.Mahesh Babu	ENT	Santhiram Medical College, Nandyal	1st October – 30th November 2019	Surgical Oncology
126	Dr K. Meghana	General Surgery	Govt. Medical College & General Hospital, Kadapa	1st – 30th October 2019	Surgical GE
127	Dr G.Bhaswanth				
128	Kumar Reddy				
129	Dr B.Ravi Theja				
130	Dr J.Bhulaxmi	General Surgery	S.V. Medical College, Tirupati	1st October – 30th November 2019	Surgical GE Surgical Oncology
131	Dr Shaik Heena				
132	Dr C.Anupama				
133	Dr Dayakar Surati	General Surgery	Narayana Medical College, Nellore	1st -30 November 2019	Surgical Oncology
134	Dr Rathod Kapil	General Surgery	S.V. Medical College, Tirupati	2nd December to 31st January 2020	Surgical GE Surgical Oncology
135	Dr Adi Laxmi	General Surgery	Rangaraya Medical College, Kakinada	2nd -31st December 2019	Surgical GE
136	Dr Fathimunnisa				

DNB Course

S. No	Name	Course	Institution	Period of Posting	Place of Posting
137	Dr M.Swarna Latha	Anaesthesiology	District General Hospital, Vizianagaram	5th March - 4th June 2019	Surgical Oncology Surgical GE ICU,CT

2.4 MDS Courses:

S. No	Name	Course	Institution	Period of Posting	Place of Posting
138 139 140	Dr V. Padmaja Dr Naresh Naik Dr G. Jyothirmai	MDS – Oral Medicine & Radiology	RIMS, Kadapa	4th February – 5th March 2019	Medical Oncology Radiation Oncology Surgical Oncology
141 142 143	Shaik Sajida Farheen S. Swarnamanjar S. Aswitha	MDS – Oral Medicine & Radiology	RIMS, Kadapa	17th October – 17th December 2019 18th November – 2nd December 2019 3rd December 19 – 1st January 2020	Surgical Oncology Plastic Surgery Neuro Surgery Neurosurgery Plastic Surgery
144 145 146	Dr V.M. Sravani Dr S.Rabbani Dr J. Shreya	Oral & Maxillo Facial Surgery	CKS Teja Institute of Dental Sciences Tirupati	23rd July - 20th November 2019	Ophthalmology General Surgery Surgical Oncology Emergency Medicine Plastic Surgery ENT
147 148	Dr M. Divya Sree Dr K.V. Chakrapani	Oral & Maxillo Facial Pathology	CKS Teja Institute of Dental Sciences Tirupati	22nd Aug -15th November 2019	Pathology Surgical Oncology Dermatology
149 150 151	Dr E. Amulya Dr K. Manasa Dr B.Divya Sree	Oral Medicine & Radiology	CKS Teja Institute of Dental Sciences Tirupati	22nd Aug – 20th November 2019	Radiology General Medicine Radiation Oncology Emergency Medicine ENT Dermatology General Surgery

3.0 Establishment Section

The Establishment Section (HR Department) in SVIMS deals with recruitment, maintaining services registers, salary processing and disbursement, leave sanction, issue of periodical annual increments, declaration of probation, promotions, automatic advancement scheme, implementation of pay revision recommendations and DA hike, Leave travel concession, educational reimbursement, medical reimbursement, permission to represent the institute by faculty in academic assemblies at National and International level, dealings of internal grievances and complaints, disciplinary action, pension, income tax, EPF, Sanction of loans under GPF, EPF schemes, retirement benefits, welfare measures, centralized institute tapal (inward and outward), centralized dispatch (postal), permanent advance and record maintenance.

This year, induction training programme was commenced for the newly joined employees (Regular, Adhoc & Outsourced). To meet the norms of NABH, Specialty wise privilege forms of the Faculty & Nursing were obtained.

Employee Statistics

Faculty (Medical) – Regular & Adhoc

S.No.	Cadre	Male	Female	Total
1	Senior Professor	03	01	04
2	Professor	31	09	40
4	Associate Professor	34	15	49
5	Assistant Professor	47	33	80
6	Chief Medical Officer (SAG)	02	01	03
7	Chief Medical Officer	04	-	04
8	Senior Medical Officer (SMO)	-	01	01
9	Medical Officer (RMO)	02	-	02
	TOTAL	123	60	183

Faculty on compulsory service

S.No.	Cadre	Male	Female	Total
1	Senior Resident	07	08	15
2	Assistant Professor	08	01	09
	TOTAL	15	09	24

Residents

S.No.	Cadre	Male	Female	Total
1	PG Junior Residents (MD)	47	64	111
2	Non-PG Junior Residents	09	12	21
3	PG Senior Residents (DM/MCh/PDF)	61	17	78
4	Non-PG Senior Residents	08	11	19
	TOTAL	125	104	229

Non-Faculty - Regular

S.No.	Cadre	Male	Female	Total
1	Officer Cadre	20	14	34
2	Ministerial Staff	31	09	40
3	Paramedical Staff	68	50	118
4	Nursing Staff	01	119	120
5	University Staff	06	24	30
	TOTAL	126	216	342

Non Faculty - Adhoc

S.No.	Cadre	Male	Female	Total
1	Staff Nurse	0	63	63
2	Teaching Assistant	0	01	01
3	Physical Director	01	0	01
4	Statistician cum Assistant Professor	0	01	01
5	Tutors	0	02	02
6	O.T. Assistant	02	01	03
7	Assistant Perfusionist	0	01	01
8	Lab Technician	0	01	01
9	House Keeper	0	01	01
10	Security Officer	03	0	03
11	Medical Physicist	02	0	02
12	Public Health Nurse	01	0	01
13	Network Administrator	01	0	01
14	Ophthalmic Assistant	01	0	01
15	Radio pharmacist	0	01	01
16	Librarian	01	0	01
17	Chartered Accountant (Inter)	0	01	01
	TOTAL	12	73	85

In view of the exigencies of service in some departments, the following faculty appointments were made on adhoc basis, as per Section 18(4) of the SVIMS Act.

The Following Faculty, Senior Residents, Junior Residents, Non Faculty have joined on adhoc/tenure basis during the year 2019

S.No.	Name of the candidate	Department	Designation
1	Dr. K. Sudhakar Rao	Professor	C.T. Surgery
2	Dr.P.V. Ramasubba Reddy	Professor	General Surgery
3	Dr. A. Tyagi	Professor	Urology
4	Dr. S. Balarama raju	Professor	General Surgery
5	Dr. S. Venkateswara Prasad	Professor	General Surgery
6	Dr. K. Samba Sivaiah	Professor	Medical Oncology
7	Dr. Jyothi Prasad	Associate Professor	Forensic Medicine
8	Dr. K. Vanaja	Associate Professor	OBG
9	Dr. M. Muniprasad	Associate Professor	Urology
10	Dr. N. Sunil	Assistant Professor	Anaesthesiology
11	Dr. I. Vinayaka Naik	Assistant professor	Anatomy
12	Dr. D. Srivani	Assistant Professor	Anatomy
13	Dr. Naga Divya	Assistant Professor	Anaesthesiology
14	Dr. Kiran Ganta	Assistant Professor	C.T. Surgery
15	Dr. K. Ravi Kumar	Assistant Professor	C.T. Surgery
16	Dr. M. R. Kiran Kumar	Assistant Professor	Emergency Medicine
17	Dr. Rohith Gupta	Assistant Professor	Emergency Medicine
18	Dr. D. Mani Deepthi	Assistant Professor	Endocrinology
19	Dr. P. Bhanu Pradeep	Assistant Professor	ENT
20	Dr.P. Suresh Babu	Assistant Professor	General Surgery
21	Dr. Uday Kiran	Assistant Professor	General Surgery
22	Dr.M. Pradeep	Assistant Professor	General Surgery
23	Dr. D. Neeharika	Assistant Professor	Medicine
24	Dr. Chandra Sekhar. K	Assistant Professor	Medicine
25	Dr. Mallem Babu	Assistant Professor	Medicine
26	Dr. G. Sindhu	Assistant Professor	Medicine
27	Dr. A. Sandeep Reddy	Assistant Professor	Medicine
28	Dr.G. Aparna	Assistant Professor	Medicine
29	Dr. S.Yamini	Assistant Professor	Microbiology
30	Dr. A. Sunnesh Reddy	Assistant professor	Nephrology
31	Dr. Siva Parvathi	Assistant Professor	Nephrology
32	Dr. T. Srikanth	Assistant Professor	Neurosurgery
33	Dr. Pravallika Sudharani	Assistant Professor	O.B.G

34	Dr. B. Akila	Assistant Professor	O.B.G
35	Dr. K.Hima Bindu	Assistant Professor	O.B.G
36	Dr. B. Keerthi	Assistant Professor	Ophthalmology
37	Dr. G. Sai Chandana	Assistant Professor	Pathology
38	Dr. V. Pavan Kumar Reddy	Assistant Professor	Radiation Oncology
39	Dr. V. Hima Bindu	Assistant Professor	Radiology
40	Dr. A. Karthik	Assistant Professor	Radiology
41	Dr. M. Brahmeswara Rao	Assistant Professor	Surgical GE
42	Dr. V. Naresh Kumar	Assistant Professor	Surgical GE
43	Dr. Guru Raghavendra Naik	Assistant Professor	Surgical Oncology
44	Dr. M. Revathi	Assistant Professor	TB & CD
45	Dr. K. Mahendra Reddy	Assistant Professor	General Surgery
46	Dr. C. Sateesh Chandra	Assistant Professor	Surgical GE
47	Dr G. Sravana Kumar	RMO - III	Hospital Administration
Senior Residents/Junior Residents:			
48	Dr. Mitta Indu Priya	Senior Resident	Anaesthesiology
49	Dr. R. Bhanu Prakash	Senior Resident	DVL
50	Dr. G.K. Harish	Senior Resident	Emergency Medicine
51	Dr. V. Ravindra nath Tagore	Senior Resident	ENT
52	Dr. Mrudula Kadali	Senior Resident	General Surgery
53	Dr. V. Satya Naga Anil	Senior Resident	General Surgery
54	Dr. L.A Prabhu Deepthi	Senior Resident	Medicine
55	Dr. V.S Srikala	Senior Resident	Microbiology
56	Dr. Ayusha	Senior Resident	O.B.G
57	Dr. Sravana Kumari . C	senior resident	Radiotherapy
58	Dr. V. Pavan kumar	Senior Resident	Surgical GE
59	Dr. Manu M.A	Senior Resident	Paediatrics
60	Dr. G. Swetha Rao	Senior Resident	Psychiatry
61	Dr. K. Priyanka	Senior resident	Radio diagnosis
62	Dr. K. Niveditha	Senior Resident	Radio diagnosis
63	Dr. A.V. Chaitanya Bhanu	Junior Resident	Dentistry
64	Dr. P. Vanaja	Junior Resident	Dr. YSR. Aarogyasree
65	Dr. K. Sankarachari	Junior Resident	Emergency Medicine
66	Dr. C. Vishnupriya	Junior Resident	Paediatrics
67	Dr. K. Chandana	Junior Resident	Rheumatology
68	Dr. G. Yamini	Junior Resident	Rheumatology
69	Dr. B. Krishnaveni	Tutor	Community Medicine

Non - Faculty on Regular basis (Compassionate):

Sl.No.	Name of the Faculty	Designation	Department
1.	K. Prathuysha	MRD	Junior Assistant

Non Faculty:

Sl.No.	Name of the Faculty	Designation	Department
1	Dr. M. Sunitha	Statistician cum Assistant Professor	Academic Section
2	A. Vijaya Lakshmi	Staff Nurse	Nursing Department
3	Manmohan Madhusudhan	Medical Physicist	Radiotherapy

Performance Appraisal System - Award of meritorious certificates to the employees of SVIMS

Performance Appraisal is a continuous process of setting employee goals, monitoring their progress against the goals, evaluating outcomes and then recognizing their performance. The probation of the employees is declared based on the confidential report of the HOD and also the self appraisal submitted by the individual. It comprises assessment on job related / functional and personal competencies and also include any suggestions for development by the superior. Performance assessment is carried out at all levels of the employees. The employees are awarded with 'Meritorious certificate' on the Republic Day celebrations conducted by the Institute.

On the eve of 70th Republic Day celebrations held on 26.01.2019, the following employees who were outstanding awarded with meritorious certificates.

Outstanding awards to Regular Staff:

Sl.No.	Name of the Faculty	Designation	Department
1	Dr.Usha Kalawat	Professor	Microbiology
2	Dr.V.Venkatarami Reddy	Professor	Surgical G.E.
3	Dr.B.V.Subramanian	Associate Professor	Radiotherapy
4	Dr.M.Madhusudhan	Associate Professor	Emergency Medicine
5	Dr.Randeer Gupta Mantri	Associate Professor	Nuclear Medicine
6	Dr.A.Uma Maheswari	Associate Professor	Bioinformatics
7	Sri M.U.Shareef	Dy. Executive Engineer	Engineering Dept.,
8	Dr. M.Yerrama Reddy	Deputy Registrar	Academic Section
9	Sri G.Babu	Assistant Director	NABH Cell
10	Sri N.Venkateswara Prasad	M.S.W	Medico Social Dept.,
11	Smt. G.Vijaya Bharathi	Lab Technician Gr-I	Biochemistry

Meritorious certificates to Regular Staff:

Sl.No.	Name of the Faculty	Designation	Department
1	G. Sreenivasulu	Superintendent	Accounts section
2	S. Yasodha Devi	ECG Technician	Cardiology
3	K. Lakshmi Triveni	Senior Assistant	CE
4	G. Bhagyasree	Assistant Director	Establishment Section
5	N.S.R. Murali Krishna	MRO	MRD
6	B. Deepa	Lab Technician Gr-II	Microbiology
7	M. Bharathi	ANM	Neurology
8	M. Bharathamma	ANM	Nursing
9	P. Ravi	Nuclear Medicine Technican Gr-I	Nuclear Medicine
10	S. Madan Kumar	Perfusionist Gr-II	CTVS
11	T. Gangadharam	Sr. Autoclave Operator	Nursing
12	M. Sugunamma	Staff Nurse	Nursing
13	K. Krishna Kumari	Staff Nurse	Nursing
14	S. Nagarani	Staff Nurse	Nursing
15	A. Baji Rao	Gas Room Operator	O/o. A.D (General Maintenance)
16	K. Benerjee	Fitter	O/o. Dy. Executive Engineer
17	E. Bhuvaneswari	Head Nurse	Nursing
18	S.E. Rajani Priya	Head Nurse	Paediatrics
19	M. Rajanna	C.T Technician Gr-I	Radiology
20	N. Madhu Kumar	Dialysis Technician	Nephrology
21	S. Thajun	Radiation Oncology Technologist Grade-I	Radiotherapy
22	M. Rama Murthy	Senior Driver	AD (GM)
23	G. Subramanyam Raju	Pharmacist Gr-I	Stores
24	V. Babu Suresh	Pharmacist Gr-I	Stores
25	P. Eswaramma	Staff Nurse	Surgical Oncology
26	A. Savithri	Head Nurse	Urology

Apart from the regular staff, the outsourcing staff – 85 Nos (PAs, Nurses) who contributed their outstanding services to the patient care were awarded with cash prizes.

Promotions:

A promotion is a form of recognition for employees who make significant and effective work contribution and it raises the status of the employee. Promotion is viewed as desirable by employees because of the impact it has on pay, authority, responsibility and the ability to influence institutional decision making.

In the year 2019, the following staff were promoted

Faculty Staff (Medical)

S.No	Name of the Employee	Promoted as	Department
1	Dr. K. Prathiba	Associate Professor	Anatomy
2	Dr. Harini Devi .N	Associate Professor	Biochemistry
3	Dr. V.S. Kiranmayi	Associate Professor	Biochemistry
4	M. M. Suchitra	Professor	Biochemistry
5	Dr. D.S. Sujith Kumar	Associate Professor	Community Medicine
6	Dr. D. Ravisankar	Associate Professor	Community Medicine
7	Dr. P. Vanipriya	Associate Professor	Dentistry
8	Dr. S.B. Amarnath	Associate Professor	ENT
9	Dr. I.S. Chaitanya Kumar	Associate Professor	IHBT
10	Dr. D. Bhargavi	Associate Professor	Medical Oncology
11	Dr. R. Jayapada	Associate Professor	Microbiology
12	Dr. S. V. Naveen Prasad	Associate Professor	Neurology
13	Dr. J. Malathi	Associate Professor	OBG
14	N. Rukmangadha	Professor	Pathology
15	Dr. K. Vijayachandra Reddy	Associate Professor	Pharmacology
16	Dr. Aparna Bhide	Associate Professor	Physiology
17	Dr. B. Shivanandh	Associate Professor	Psychiatry
18	Dr. Silpa Kadiyala	Associate Professor	Radiology
19	Dr. Pavankumar G Kale	Associate Professor	Radiology
20	Dr. Pranabandu Das	Associate Professor	Radiotherapy
21	Dr. Swapna Jilla	Associate Professor	Radiotherapy
22	Dr. V. Venkatarami Reddy	Professor	Surgical G.E
23	Dr. C. Chandramaliteeswaran	Associate Professor	Surgical G.E
24	Dr. G. Sivaramakrishna	Associate Professor	Surgical G.E

Para Medical Staff

S.No	Name of the Employee	Promoted as	Department
1.	E. Bhuvaneswari	A.D (Nursing)	Nursing
2.	L. Haritha	Head Nurse	Nursing

Employees Superannuated during the year 2019

Dr. Andal Venkatraman, Associate Professor, Dept. of Anaesthesiology:

Dr. Andal Venkatraman was initially appointed as Assistant Professor on 27.12.2002, subsequently promoted as Associate professor on 07.08.2010. She served the Institute for 17 years i.e., w.e.f. 27.12.2002 to 30.06.2019. She was retired on 30.06.2019, on attaining the age of 63 years.

Dr. G. Meenakshi, Nursing Supdt.Gr-II:

Dr. G. Meenakshi was initially appointed as Staff Nurse on 08.02.1993, subsequently promoted as Head Nurse on 09.09.2004 and again promoted as Nursing Superintendent Grade - II. She served the Institute for 26 years i.e., w.e.f. 08.02.1993 to 30.06.2019. She has retired on 30.06.2019, on attaining the age of 60 years.

Smt. M. Mary Kutty, Hospital Aid for EEG Work Gr-I:

Smt. M. Mary Kutty was initially appointed as Assistant EEG Technician on 22.02.1993, subsequently promoted as Hospital Aid for EEG work on 21.05.1995 and again promoted as Hospital Aid for EEG work Grade-I. She served the Institute for 26 years i.e., w.e.f. 22.02.1993 to 28.02.2019. She was retired on 28.02.2019, on attaining the age of 60 years.

On the day of retirement, all the retirement benefits were given to the above employees.

Employee Welfare Measures

1. The 7th CPC pay scale arrears were paid in 05 installments to the Faculty (Medical) and Medical Officers of SVIMS & SPMC (W) in the year 2019.
2. The Non Faculty staff were also sanctioned interim Relief (IR) w.e.f 01.07.2019, as per the orders of the Government of AP.
3. On the Birthday of all the employees, birthday wishes greeting cards as well as plants were distributed with an intention to increase the green coverage in the campus.



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



VI. FINANCE & ACCOUNTS (2018-19)



VI. Finance & Accounts (2018-19)

1.0 Institute Finance

All the bills for payment submitted by different departments are verified in the Accounts Section & Cheques are issued after scrutinizing the bills as per the existing rules. Accounts maintained in terms of the income generated through patient care, Tuition fee, donations received from donors, grants received from TTD, Government etc., will be compiled and submitted to Income Tax Department through Chartered Accountant after Audit. Further, all vouchers are scrutinized by the State Audit as well as AG audit personnel from State & Central Government.

2.0 Balance Sheet as on 31.03.2019

Liabilities	Amount as on 31.03.2019 (Rs.)	Assets	Amount as on 31.03.2019 (Rs.)
Capital Fund	5,72,94,41,748	Fixed Assets	2,37,38,43,987
Current Liabilities	56,50,51,090	Investments	2,78,39,61,017
Research Projects	1,02,60,913	Endowment Deposits	13368334
EMD and Other Deposits	11,82,88,946	Provident Fund Deposits	289187264
Fellowship	8,20,014	Research Fund Deposits	1,72,97,50,527
Advances Payable	13,31,29,880	Corpus Fund Deposits	21,68,59,277
University Deposits	1,29,82,397	Pension & Gratuity Deposits	52,83,17,555
Creditors Outstanding	20,70,50,112	SBAVP Deposits with TTD	64,78,060
Outstanding Payments	6,77,95,795	Current Assets	1,01,10,38,867
Scholarship	5,75,832	Closing Stock	6,19,84,810
Pay & Allowances Recoveries	1,41,47,201	Deposits (Assets)	15,22,95,960
		Loans & Advances	1,31,61,264
		Sundry Debtors	39,21,21,274
		Bank Accounts	9,05,46,862
		Income Outstanding	5,15,02,637
		TDRs (SBAVP Receivable)	11,75,503
		Cash in Hand	8,01,533
		TDS deducted but not credited	1,96,481
		TDS Receivable	24,61,29,025
		TDS Receivable R&D	11,23,518
		Excess of Expenditure over Income	12,56,48,967
Total	629,44,92,838	Total	629,44,92,838

3.0 Concessions given to the patients for the period 01.04.2018 to 31.03.2019

S.No.	Month & year	Amount Rs.
1	April, 18	2,89,50,835
2	May, 18	2,44,37,044
3	June, 18	2,67,39,668
4	July, 18	2,30,82,747
5	August, 18	2,53,71,646
6	September, 18	2,97,43,928
7	October, 18	2,86,92,100
8	November, 18	2,96,00,431
9	December, 18	3,15,49,284
10	January, 19	2,79,42,500
11	February, 19	2,33,05,726
12	March, 19	3,66,82,125
	Total	33,60,98,034

4.0 Donations received for the period from 01.04.2018 to 31.03.2019

S.No.	Name of the scheme	Amount (Rs.)
1	General Donations	87,375
2	Research Chair Donations	13,87,062
3	Research& Development Donations	71,54,38,157

Sri Venkateswara Institute of Medical Sciences established under the aegis of Tirumala Tirupati Devasthanams receives donations from philanthropists through Sri Balaji Aarogya Vara Prasadini Scheme (SBAVP). SBAVP scheme was started in 1994 by SVIMS to accomplish the goal of making available the sophisticated medical technology to every individual at affordable cost and also to conduct research activities in the field of medical research. A donor can donate an amount of Rs.1000/- or multiplies thereof to this institution.

The donors are provided privileges for accommodation, darshan and other prasadam of Lord Venkateswara at Tirumala by T.T.Devasthanams for the donations Rs.01 lakh & above. In September-2016, TTD has introduced a New Donor Management System wherein entire information pertaining to a donor is stored in Online in place of issuing donor pass book, Acknowledgement and IT receipts. Donor can avail all the privileges through booking in online under New Donor Management System for the convenience of the Pilgrims.

The special privileges like displaying the name of the donor prominently, naming the paid room, unit, hostel block, operation theatre, hostel, choultry, auditorium, specialty block, library etc. are extended to the donor depends upon the quantum of donations.

Annual Report 2019

The donations are exempted under Sec.35(1)(ii) of Income tax Act 1961. The donor can claim exemption U/s 80 GGA to the extent of 100% on salary income & 150% exemption on business income.

The institute has received donations for Rs. 71,54,38,157/- under Sri Balaji Aarogya Vara Prasadini Scheme during the financial year 2018-19. The list of donors who donated Rs.5 lakhs and above are as detailed below:

S.No	Donar Details	Amount
1	M/s.Vital Laboratories Pvt. Ltd., Mumbai	51000000.00
2	M/s.G.Square Realtors Pvt. Ltd., Chennai	12000117.00
3	M/s.Tractors and Farm Equipment Ltd., Chennai	10100000.00
4	M/s.Chintalapai Holdings Pvt. Ltd., Hyderabad	10001116.00
5	M/s.SCI Search and Selection Services Private Limited, Mumbai	10000101.00
6	M/S. Bahl paper Mills Ltd., Uttarakhand	10000001.00
7	M/s.BG LIIN Electricals Ltd.,Aurangabad	10000000.00
8	M/s.Sri Bhagavan Niketan Limited, Visakhapatnam	10000000.00
9	Sri.Vivek Gupta, Kolkata	10000000.00
10	M/s.Lakshmi Electrical Drives Ltd., Coimbatore	10000000.00
11	M/s.Lakshmi Ring Travellers (Coimbatore) Limited, Coimbatore	10000000.00
12	Sri Gopal Balakrishnan,Singapore	10000000.00
13	Sri Ramajayam R, Chennai	10000000.00
14	Sri Sreekala.R, Chennai	10000000.00
15	M/s.Shri Mukund Bhavan Trust, Pune	10000000.00
16	Mr. Lalit Seth, Mumbai	10000000.00
17	M/s. P K F Sridhar & Santhanam LLP, Chennai	10000000.00
18	M/s.E.Madhusudhan Rao Engineers & Contractors, Hyderabad	10000000.00
19	M/s.Nectar Life Sciences Ltd., Chandigarh	5100000.00
20	M/s.Autotech Industries India Pvt. Ltd., Chennai	5000000.00
21	M/s. The Karur Vysya Bank Ltd.,Tamil Nadu	5000000.00
22	M/s. Tirubal International Pvt. Ltd., Kanpur, UP	4100000.00
23	M/s.Tirumala Seven Hills Pvt. Ltd., Kolkata	4000000.00
24	M/s.R.S.Brothers Jewellers Pvt Ltd., Hyderabad	4000000.00
25	M/s. Venkatrama Chemicals, Hyderabad	4000000.00
26	Sri Manish Mimani, Kolkata	2500000.00
27	M/s. Dadha Pharma Distribution Pvt. Ltd., Chennai	2500000.00
28	M/s.OM Logistics Ltd., New Delhi	2100000.00
29	M/s. CEC Flavours And Fragrances Pvt. Ltd., Tamil Nadu.	2022232.00
30	M/s.Sreekanya Devallu & Sons's Hotels Pvt Ltd., Visakhapatnam	2000000.00
31	M/s. Ascom Infotech Pvt. Ltd., Mumbai	2000000.00
32	Sri Penumadu Karthik, Tirupati	2000000.00
33	M/s.Ramco Industries Limited, Chennai	2000000.00

34	Sri.Jeyakumar Thangavel, Singapore	2000000.00
35	M/s.Shayona Corporation, Maharashtra	2000000.00
36	M/s.Hindustan Enterprises, Visakhapatnam	2000000.00
37	M/s.Suryakiran Griha Nirman Pvt. Ltd., Bengaluru	2000000.00
38	M/s. Vraj Cement Carrier LLP, Mumbai	2000000.00
39	M/s.Analah Capital, Mumbai	2000000.00
40	M/S. GMK Research Laboratories Pvt. Ltd., Secunderabad	1711000.00
41	M/s. Margadarsi Chit Fund Pvt ltd., Hyderabad	1501116.00
42	Sri.Lalit M Bijlani, Bengaluru	1500000.00
43	M/s.Tablets (India) Ltd., Chennai	1500000.00
44	Sri Dr.K.Venkatesan, Chennai	1500000.00
45	M/s.Industrial Packing Products, Mumbai	1500000.00
46	Sri Ganesh V.Kaundinya and Smt. Uma S.Kaundinya, US	1400000.00
47	M/s.Macawber Beekay Pvt. Ltd., Noida, U.P.	1250000.00
48	M/s.N.S.Nayak & Sons, Karnataka	1234567.00
49	Sri V.Srinivasa Rao, Bengaluru	1200000.00
50	M/S. Jupiter Dye Chem Pvt. Ltd., Mumbai	1200000.00
51	M/s.Saket Engineers (P) Ltd., Secunderabad	1141455.00
52	M/s. Ajasra Homes Private Limited, Hyderabad	1123456.00
53	Sri.K.Vijay Bhasker Reddy, United States	1111116.00
54	M/S. Bharat Constructions, Pune	1111000.00
55	M/s.The Sukhjit Starch and Chemicals Limited, Punjab	1102000.00
56	M/S. Shivangi International, Uttar Pradesh	1100000.00
57	M/s.Triveni Engicons Pvt. Ltd., Jharkhand	1100000.00
58	Sri.Ram Manohar Singh, Mumbai	1100000.00
59	smt. Apurva Somaraju, Hyderabad	1100000.00
60	M/s. Kei Industries, New Delhi	1100000.00
61	M/s.Sri Maa Enterprises, Madurai	1100000.00
62	M/s.DFM Technology Private Ltd., Bengaluru	1100000.00
63	M/s.SLC Projects Pvt. Ltd., Visakhapatnam	1080999.00
64	M/s. N S P Tex,Tamil Nadu, 641652.	1050000.00
65	M/s.Ashwath Inc., Coimbatore	1050000.00
66	Miss. Rano saidbekova, Moscow.	1050000.00
67	Sri Hemanshu Manocha, , Australia.	1043000.00
68	M/s.Kapston Facilities Management Pvt. Ltd., Hyderabad	1040000.00
69	M/s.CEC Flavours and Fragrances Pvt. Ltd., Tiruvallur	1011116.00
70	M/s.SSR Seeds Corporation, Siddipet, Telangana	1011011.00
71	M/s.Savorit Limited, Tamil Nadu	1011000.00
72	M/s.Lashi Exports Limited, Nellore	1011000.00

73	M/s.Rudira Aqua Limited, Nellore	1011000.00
74	Sri N. Venkata Sesha Pavan Kumar, Bengaluru	1010116.00
75	M/s.Manchu Toughend Glass (P) Ltd., Gummidipoondi, Tamil Nadu	1010106.00
76	Smt. V.Padma Srivalli, Visakhapatnam	1010000.00
77	Sri Sudharshan Salvaji, Hyderabad	1010000.00
78	M/s.Sesha Exports, Tiruppur	1010000.00
79	Sri Guntuka Srinivas, Karimnagar, Telangana	1006000.00
80	Smt. Keerthi Somaraju, Hyderabad	1006000.00
81	Sri Anurag Gupta, Hyderabad	1006000.00
82	M/s.G.R.N.Constructions Pvt. Ltd., Nellore	1004000.00
83	Sri Rajendra Prasad M, Hyderabad.	1003000.00
84	M/s. Ajasra home private limited., Hyderabad	1002999.00
85	P.Roopa Ragini, Anantapur Dist.	1002000.00
86	Sri.T V P Kameswar Rao, Hyderabad	1001175.00
87	Sri P Sankarshana, Chennai	1001156.00
88	M/s. Siri Associates, Hyderabad	1001116.00
89	Sri Atmakuri Venkata Arun, Guntur	1001116.00
90	Sri.E.G.Naidu, Karnataka	1001116.00
91	Sri.Jaya Chandar, Anantapur	1001116.00
92	M/s. Saffron Capital Advisors (P) Ltd., Mumbai	1001116.00
93	Seetha Lakshmi Kolanakuduru, Hyderabad	1001116.00
94	M/s.Sais IT Services India Pvt. Ltd., Hyderabad	1001116.00
95	Sri Annam Rathnaiah & Sons, Secunderabad	1001116.00
96	Sri Phani Shankar, Mumbai	1001116.00
97	M/s.Shell Refractories and Insulations, Visakhapatnam	1001116.00
98	M/S. Sri Nidhi Group, Vijayawada	1001116.00
99	M/s.Gosukonda Raghavendra Bharadwaj, Bengaluru	1001116.00
100	M/S. Peeace Intl Shipping Pvt.Ltd, Kakinada	1001116.00
101	M/s.Manoj Transport Contractor, Karnataka	1001111.00
102	M/s.SVISS Labss Limited,Tamil Nadu	1001111.00
103	M/s.B.G.Granites, Mysore	1001001.00
104	Sri Dr.M. Balamurugan, Chennai	1001001.00
105	Smt. Kavi Srinivas, S/o. K.V.Ramana Murthy, Hyderabad	1001000.00
106	M/S. Sasti Jewellery Venkatesh, Coimbatore	1001000.00
107	M/s. Vidya Wires Pvt. Ltd., Gujarat	1001000.00
108	M/s.SLV Agro Foods, Bengaluru	1001000.00
109	Sri Dr. Ranjeet Sharad Chidgupkar, Maharashtra	1001000.00
110	M/s. R.K.Packaging, Bengaluru	1001000.00
111	M/s.Shivam Condev Pvt. Ltd., Mancheswar Bhubaneswar	1001000.00

112	M/s. Voyage Bulk Consulting Private Limited, Mumbai	1001000.00
113	M/s.Premier Metals and Engineering Corporation,Bengaluru	1000800.00
114	M/s. Mandir Associates, Secunderabad	1000620.00
115	M/s.Sri Vijayalakshmi Cement Traders, Anakapelle, A.P.	1000116.00
116	M/s. A R Ventures, Visakhapatnam	1000116.00
117	M/s.R.E.C ISPAT Pvt. Ltd., Visakhapatnam	1000116.00
118	M/S. Rajashree Jewellers, Bengaluru	1000116.00
119	Sri C.Srinivas Kumar, Srikalahasti.	1000116.00
120	Sri Srinivas satya, Hyderabad	1000116.00
121	M/s.Vighnaraja Textile Agencies, Gujarat.	1000116.00
122	M/s.P.J.Reddy And Co., Bengaluru	1000116.00
123	M/s.Gadamsetty Sankar Security Agency, Secunderabad	1000116.00
124	Sri.Jinka Lalithamma, Kurnool	1000116.00
125	Sri Nendraganti Krishna mohan, Hyderabad	1000116.00
126	M/s.Padmavathi Venkateswara Transport, Hyderabad	1000116.00
127	M/s.Vital Therapeutics Pvt. Ltd., Secunderabad	1000116.00
128	Sri.M.Ashok Kumar, Chennai	1000116.00
129	Sri.Srinivas Hari Mohan Erra, Kakinada	1000116.00
130	Sri Metta Sudhakar, Chennai	1000116.00
131	M/s.Lucky Retail Stores, Visakhapatnam	1000116.00
132	M/S. Cluster Infotech Pvt. Ltd., Hyderabad	1000116.00
133	M/S. Arrow Preciform Company, Hyderabad	1000107.00
134	Sri.Narendar Reddy Gangidi, Secunderabad	1000101.00
135	M/S. Lex Connect Consulting Pvt. Ltd., Bengaluru	1000101.00
136	M/S. Kirorimal Kashiram Marketing and Agencies Pvt. Ltd, Chennai	1000100.00
137	M/s.Novastar Communications Pvt. Ltd., Chennai	1000100.00
138	M/s.Mandir Associates,Secunderabad	1000053.00
139	M/S. Vijayadurga Traders, Krishna Dist	1000017.00
140	Smt. Kavitha kolluru, Hyderabad	1000016.00
141	M/s.Shyam Salasar Logistic Pvt. Ltd., Hyderabad	1000008.00
142	Sri R. Harshith Gowda, Bengaluru	1000005.00
143	Sri. Dravan LLC, United States	1000001.00
144	Sri Balaji Rajagopalan Krishnamurthy, Tamil Nadu	1000001.00
145	M/S. Saivijay Pragati Steel Udyog Pvt. Ltd, Karnataka	1000001.00
146	M/s.Indian Designs Exports Pvt. Ltd., Bengaluru	1000001.00
147	Sri Srinivas Penamakuri, Bengaluru	1000001.00
148	Smt.Ramadevi Bommidala, Secunderabad	1000001.00
149	M/s.Crestere Technologies LLP, Pune	1000001.00
150	M/S. Snowtemp Commercial Pvt. Ltd.,Kolkata	1000001.00

151	M/S. DVS Advisors LLP, Chennai	1000001.00
152	Smt. Kirthi Paladugu, Hyderabad	1000001.00
153	M/s. NX Technosys Pvt. Ltd., Pune	1000001.00
154	M/s. ESS Ell Cables Co.,Uttar Pradesh	1000001.00
155	M/s. Virupakshi Enterprises,Bengaluru	1000000.00
156	M/s.Velampalli Nagarani Pranitha, Vijayawada	1000000.00
157	Smt. Kommuru Nagavalli, Bengaluru	1000000.00
158	M/s.Rich Phytocare (P) Ltd., Tamil Nadu	1000000.00
159	M/s.D.V.V.Entertainments LLP, Hyderabad.	1000000.00
160	M/s.Gomathi Spinning Mills India Private Ltd., Tamil Nadu	1000000.00
161	Sri Arumugam Panneerselvam, Delhi.	1000000.00
162	Sri. Lakshmanan K N, Chennai	1000000.00
163	M/s.Mehru Electrical and Mechanical Engineers (P) Ltd., Rajasthan.	1000000.00
164	M/s.O.G.Variar and Sons Variar Bakery, Bengaluru	1000000.00
165	K S Vishnu Prabu, Tiruppur	1000000.00
166	M/s. Jeyavishnu Spintex Private Ltd., 1Tirupur	1000000.00
167	Sri K.S.Karthic Prabu,Tiruppur	1000000.00
168	M/s.SNQS Internationals, Tirupur	1000000.00
169	Sri.Venkata Anand Bodapati, U.S.	1000000.00
170	Smt. R.GeethaBai, Hyderabad	1000000.00
171	Sri Petluri Srinivas, Guntur	1000000.00
172	M/s. Homeocare International Pvt Ltd., Secunderabad	1000000.00
173	M/s.Kousalya Niketan Pvt. Ltd., Visakhapatnam	1000000.00
174	M/s.Alakram International Trading Company Pvt. Ltd., Visakhapatnam	1000000.00
175	Sri Chintapalli Prashant, Secunderabad	1000000.00
176	M/s.Ambica Steels Ltd., New Delhi	1000000.00
177	M/s. Vinny Overseas Limited, Ahmedabad	1000000.00
178	M/s.Innovative and Innovatorrs Private Ltd., Pondicherry	1000000.00
179	M/s.R.S.Brothers Textiles & Garments, Hyderabad	1000000.00
180	M/s. Vaigai Canteen Private Limited, Chennai	1000000.00
181	M/s. Selva Vinayakar Fabric, Coimbatore	1000000.00
182	M/s.Shree Balaji Logistics & Express Services Pvt Ltd., Mumbai	1000000.00
183	M/s.S.K.R.Labs Pvt. Ltd., Hyderabad	1000000.00
184	Sri.Madhusudhan Rao Bayana, Hyderabad	1000000.00
185	Sri.Santhosh Samrat Yaramada,Hyderabad	1000000.00
186	Sri.T.T.Srinivasa Raghavan, Chennai	1000000.00
187	M/s.Sree Balajee Nirman & Estates, Visakhapatnam	1000000.00
188	Sri Dr.Rudrabhatla Krishna, Visakhapatnam	1000000.00
189	M/s.S.V.Nursing Home, Peddapuram	1000000.00

190	Sri.M.Surendra Naidu, Tirupati	1000000.00
191	M/s.Titan Paints and Chemicals Ltd., Coimbatore	1000000.00
192	M/s.Med Manor Organics Pvt. Ltd., Hyderabad	1000000.00
193	Sri.Parthasarathi Srinivasan, Tamil Nadu	1000000.00
194	M/s.Lakshmi Srinivasa Flour Mills Pvt. Ltd., Karnataka	1000000.00
195	M/s.Jam Jam Agri Tech., Hyderabad	1000000.00
196	Sri.Koralla Raja Meghanadh, Hyderabad	1000000.00
197	M/s.Betco Enterprises, Bengaluru	1000000.00
198	M/s.Balaji CVR Family Trust, UAE	1000000.00
199	M/s.JCG Technologies Inc., Gudlavalleru.	1000000.00
200	M/s.Venkatesa Agency, Chennai	1000000.00
201	M/s. S and S Foundations Pvt. Ltd., Chennai	1000000.00
202	M/s.Venkateshwara Ortho Health Care Pvt. Ltd., Secunderabad	1000000.00
203	Sri Srikant Morlawar, Secunderabad	1000000.00
204	Sri.Dr.K.Prasanna Laxmi, Oman	1000000.00
205	Sri Kolluri Naga Chaitanya, Khammam	1000000.00
206	M/s.Welcome Distilleries Pvt. Ltd., Varanasi, U.P.	1000000.00
207	M/s.SPAD & Associates, Hyderabad	1000000.00
208	M/s.Sri Venkata Ramana Agency, Odisha	1000000.00
209	M/s.Chakka Sri Ramamurthy & Suryanarayana, East Godavari	1000000.00
210	Sri Rajesh Sankla, New Delhi	1000000.00
211	M/s.Advocate M.T.Thacker & Associates, Navi Mumbai	1000000.00
212	M/s.Rudrarav Cloth Center, Maharashtra	1000000.00
213	M/S. Suryamitra Infratech india Pvt. Ltd., Hyderabad	1000000.00
214	M/s.Shree Padmanabh Ispat Private Ltd., Ballari	1000000.00
215	Sri.A.M.Vasist, Tiruchirapalli	1000000.00
216	M/s.Sri Devi Associates, Hyderabad	1000000.00
217	M/s.Sri Durga Enterprises, Vijayawada	1000000.00
218	Sri Hitesh Dhankani, Mumbai	1000000.00
219	Smt. Bhuvaneswari Thiagarajan, Chennai	1000000.00
220	M/s.Janardhana Traders, YSR Kadapa	1000000.00
221	M/s.Topsel Private Ltd., West Bengal	1000000.00
222	M/s.Dollar Textile Processing Mills, Tirupur	1000000.00
223	M/s.Fountain Chits (P) Ltd., Coimbatore	1000000.00
224	Sri Srinivasulu V A Grandhi, Bengaluru	1000000.00
225	M/S. Nagarjuna Agro Chemicals Pvt. Ltd., Hyderabad	1000000.00
226	M/s.Parimal Mandir, Bengaluru	1000000.00
227	Sri.Santosh Praneeth Banda, United States	1000000.00
228	M/s.Hardik Textiles Private Limited, Bengaluru	1000000.00

229	Sri Rohit Morlawar, Secunderabad	1000000.00
230	M/s.Sree Vari Surgical Cotton Industries, Kadapa	1000000.00
231	M/s.Rajpriya Chit Funds Pvt Ltd., Coimbatore	1000000.00
232	M/s.ICARUS Health Care Pvt. Ltd., Chennai	1000000.00
233	Smt. Kalyani Chittela, Bengaluru	1000000.00
234	Sri B. Prem Sai Reddy, Bengaluru	1000000.00
235	Sri.A.Krishna, Bengaluru	1000000.00
236	Sri A I Yash Viaan, Karnataka	1000000.00
237	Sri Kandula Murali Mohan, Guntur	1000000.00
238	M/s.Srivari Hitech Industries Limited, Hosur	1000000.00
239	M/s.Eastern Polycraft Industries Ltd., Kolkata	1000000.00
240	Sri.G.Mastanaiah, Vijayapur	1000000.00
241	M/s.SFH Markets Pvt. Ltd., No. Chennai	1000000.00
242	Sri Dr. P Nisanth Balaji, Tamil Nadu	1000000.00
243	Sri.Damagatla Pani Raghava Kumar,Kadapa	1000000.00
244	Smt. Deepti Kumaresh, Chennai	1000000.00
245	Sri Sandeep V, Bengaluru	1000000.00
246	M/s.Kumanti Ventures DMCC, Dubai	1000000.00
247	M/s. Home Affairs, Sri Guru Charani, Hyderabad	1000000.00
248	M/s. Ajay Bindlish, New Delhi	1000000.00
249	M/s. Anita Bindlish, New Delhi	1000000.00
250	M/s.Pawan Caastles, Chennai	1000000.00
251	Sri T R Srinivasan, Chennai	1000000.00
252	M/S. SPT Investment Advisor Services Private Limited, Mumbai	1000000.00
253	Sri.Sudip Majumdar, Howrah, West Bengal	1000000.00
254	Sri.Pothuri Hymavathi Suneetha, Visakhapatnam	1000000.00
255	M/s.Laxmi Organic Industries Limited, Mumbai	1000000.00
256	M/s.SR Artefacts Pvt. Ltd., Mumbai	1000000.00
257	M/s.Sri Jyoti Renewable Energy Private Limited, Srikakulam	1000000.00
258	Shah Rutvik Ashwinbhai, Gujarat	1000000.00
259	Sri Shah Maharsh Bhaveshkumar, Ahmedabad, Gujarat	1000000.00
260	M/s. Praveen Art Pictures, Chennai	1000000.00
261	Rajni Patel , Ahmedabad, Gujarat	1000000.00
262	M/s. Hexplora LLC, New York, US	1000000.00
263	M/s.Equatorial Estates Private Limited, New Delhi	1000000.00
264	M/s.Technics Industries, Chennai	1000000.00
265	M/s.S.S.Medicals & Image Products, Hyderabad	1000000.00
266	Sri Abhinay Morlawar, Hyderabad	1000000.00
267	Sri.T.R.Ramprasad, Kancheepuram Dist.	1000000.00

268	M/s.Vestro Solvents Pvt. Ltd., Hyderabad	1000000.00
269	M/s.Anjana Software Solutions Pvt. Ltd., Chennai	1000000.00
270	M/s.Vasavi Traders, Karnataka	1000000.00
271	Sri Veerabhadra Rao, Rajahmundry	1000000.00
272	M/s. Dev Salt Pvt. Ltd, Gujarat	1000000.00
273	M/s.Trackon Logistics and Express Services Pvt. Ltd., Mumbai	1000000.00
274	M/s. Ananya Shelters Pvt. Ltd., Coimbatore	1000000.00
275	Sri Yamuna Kishore Devarasetty, Hyderabad	1000000.00
276	M/s.Shree Bharat Associates, Visakhapatnam	1000000.00
277	M/s.Astute Advisors Pvt. Ltd., Mumbai	1000000.00
278	M/s. The Chennai Silks, Chennai	1000000.00
279	M/s. S S Ladda , Mumbai	1000000.00
280	M/s. Ganesa Textile Mills, Tamilnadu	1000000.00
281	M/s. Karphagham Tex, Tamilnadu	1000000.00
282	M/s. Gene Apparels,Tamilnadu	1000000.00
283	Mr.K.Vinod Kumar, Maharashtra	1000000.00
284	Mr.R.Sivakumar , Chennai	1000000.00
285	Mr. Muvvala Venkata Naga Swaroop, Andhar Pradesh	1000000.00
286	M/s.Sri Sainath Enterprises,Secunderabad	1000000.00
287	M/s.Fulcrum Global Technologies Pvt. Ltd., Visakhapatnam	1000000.00
288	Sri.Venkata Subba Reddy Chittela, Ongole, AP	1000000.00
289	M/s. Y V S Spices and Co, Chennai	1000000.00
290	M/s.KTV Oil Mills Pvt Ltd., Chennai	1000000.00
291	M/s.UTIVAC & UTIVAC Health care Pvt. Ltd., 309, Bengaluru	900000.00
292	Smt. Prakash Bharati, Bengaluru	900000.00
293	Sri.Aditya Bipin Daga, Hyderabad	800000.00
294	M/s. Stellar Refractories Pvt. Ltd., Maharashtra	700000.00
295	M/s. Zeus Air Services Pvt. Ltd, Mumbai	700000.00
296	M/s.C.R.Sanjay and Co., Bengaluru	600101.00
297	M/s.Vishwak Solutions Pvt. Ltd., Chennai .	600000.00
298	M/s.Percare Industries, 355, Gujarat	600000.00
299	Miss. Mamata Shenoy, Secunderabad	600000.00
300	Sri Prakash Bharati, Bengaluru	600000.00
301	Sri Sunil Kumar Sattiraju,Singapore	531689.00
302	Sri Ashish Palod, Kolkata	511000.00
303	Sri.P T Naidu, Bengaluru	505116.00
304	Sri Challagolla Siva Kumar, Visakhapatnam	501116.00
305	Smt. Danaraju Sasikala, Secunderabad	501116.00
306	Sri.Vedpal Gupta, Noida, U.P	501111.00

307	Dr. Vaishali Ranjeet Sharad Chidgupkar, Maharashtra	501000.00
308	Smt.Manju Gupta, Mumbai	501000.00
309	Smt. Chigurupati Padma, Hyderabad	500116.00
310	Sri Srichand Talreja, West Mumbai	500001.00
311	Sri Rahul Bevinahal, Bengaluru	500001.00
312	Sri Suhas ashtaputre, Gujarat	500001.00
313	M/s.V.K.Niranjan & Co., # 115, Bengaluru	500000.00
314	Sri. Sagi Siva SitaRama Raju, Vizianagaram	500000.00
315	Smt. Uma Shanmukhi istla, Mumbai	500000.00
316	Sri.Hari Prasad, Hyderabad	500000.00
317	Smt.Lathaa Jain, New Delhi	500000.00
318	Smt. Kalpana Raman, Mumbai	500000.00
319	Sri. Thangavel Karthik, Tamil Nadu	500000.00
320	Sri Prathik ananth vinu, Bengaluru	500000.00
321	Sri.Gummadi Venkata Vinodhbabu, Hyderabad	500000.00
322	M/s.PKM Foods Pvt Ltd., Pune	500000.00
323	Sri.Pothuri Lalit Naga Siddhartha, Visakhapatnam	500000.00
324	Sri Ramudu B, Bengaluru	500000.00
325	M/s. Kopran Pvt. Ltd., Mumbai	500000.00
326	Sri.A.V.B.R.Narasimham, Vijayawada	500000.00
327	Smt. Namrata Nagresha, Calcutta	500000.00
328	Mr. A.Venkateswarlu, Chennai	500000.00
329	M/s.Cilicant Chem Private Limited, Pune	500000.00

5.0 Funds received from Tirumala Tirupati Devasthanams during the year 2018-19

S.No.	Grant details	Amount (in Rs.)
1	Revenue Grant	25,00,00,000
2	Capital Grant	7,01,13,665
3	Reimbursement of Pranadana Expenditure	12,75,00,387
4	Reimbursement of treatment charges for TTD Employees/Pilgrims	12,65,65,656
5	Reimbursement of Blood Bank Screening Charges	57,97,125

During the financial year 2018-19 under RAN Scheme a sum of Rs.92,57,239/- was received as grant and the treatment provided to the patients under RAN scheme for an amount of Rs.53,58,558/-.

6.0 Treatment on Credit for the period 01.04.2018 to 31.03.2019:

The institute extended credit treatment to the extent of Rs.99.22 crores in respect of 28 credit organizations and the bills settled to the extent of Rs.105.37 crores including arrears, leaving a closing balance of Rs.35.92 crores during the calendar year 2019. The details of the credit treatment is as detailed below for the period from 1.4.2018 to 31.03.2019.

S. No.	Credit category	Opening balance (Rs.)	Credit Raised (Rs.)	Total Credit (Rs.)	Amount received/ (Rs.)	Closing balance (Rs.)
1	Dr.YSR Arogyasri Trust claims	234,173,913	606,516,553	840,690,466	651,287,409	189,403,057
i	Arogyasri IP claims	208,866,130	551,403,526	760,269,656	614,182,692	146,086,964
ii	Arogyasri follow up	8,146,116	11,238,673	19,384,789	4,051,318	15,333,471
iii	Arogya raksha IP claims	1,974,500	3,111,809	5,086,309	3,060,780	2,025,529
iv	EHS IP claims	15,187,167	40,673,915	55,861,082	29,992,619	25,868,463
v	Working journalist health scheme	-	88,630	88,630	-	88,630
2	TTD credit	27,916,777	156,826,053	184,742,830	165,772,169	18,970,661
i	Pilgrims	2,461,795	20,354,111	22,815,906	20,882,032	1,933,874
ii	TTD employees reimbursement	25,454,982	136,471,942	161,926,924	144,890,137	17,036,787
3	AB-SPF	78,302	699,969	778,271	524,567	253,704
4	APSPDCL	1,446,598	2,064,169	3,510,767	2,293,250	1,217,517
5	APSRTC	10,182,804	13,571,768	23,754,572	13,985,045	9,769,527
6	Arogya Bhadratha	4,207,734	10,260,497	14,468,231	8,314,010	6,154,221
7	Arogya Sahayatha	129,201	330,776	459,977	158,090	301,887
8	BIRRD NTRVSS	1,096,845	2,903,815	4,000,660	3,329,910	670,750
9	BIRRD/TTD blood bank charges	1,455,050	6,232,225	7,687,275	5,797,125	1,890,150
10	BSNL	2,862,643	2,137,690	5,000,333	762,378	4,237,955
11	CMRF	3,062,325	5,949,391	9,011,716	3,489,669	5,522,047
12	CRC credit	12,827,742	19,394,372	32,222,114	16,197,969	16,024,145
13	DRDA	182,151		182,151		182,151
14	Employees state Insurance (ESI)	84,846,836	42,139,863	126,986,699	50,895,959	76,090,740
15	Government credit	5,233,486	331,502	5,564,988	1,198,034	4,366,954
16	IA airport	44,099	13,899	57,998	18,258	39,740
17	Individual credit	1,310,934		1,310,934		1,310,934
18	LIC credit	1,000	30,000	31,000	31,000	-
19	Other credit	972,759	920,236	1,892,995	145,410	1,747,585
20	PMRF	-				
21	Pranadhanam	27,123,728	120,294,462	147,418,190	127,500,387	19,917,803
22	RS Vidyapeetam	158,063	261,803	419,866	217,872	201,994
23	SHAR	34,233	157,956	192,189	143,556	48,633
24	State TB control society(rntcp)	141,600	203,600	345,200	345,200	-
25	SVBC	538,438	965,755	1,504,193	1,331,665	172,528
26	SV University	7,322				7,322
27	TTD individual credit	739,357		739,357		739,357
28	Vedic University	9,194			9,194	-
	Total	420,783,134	992,206,354	1,412,972,972	1,053,748,126	359,241,362

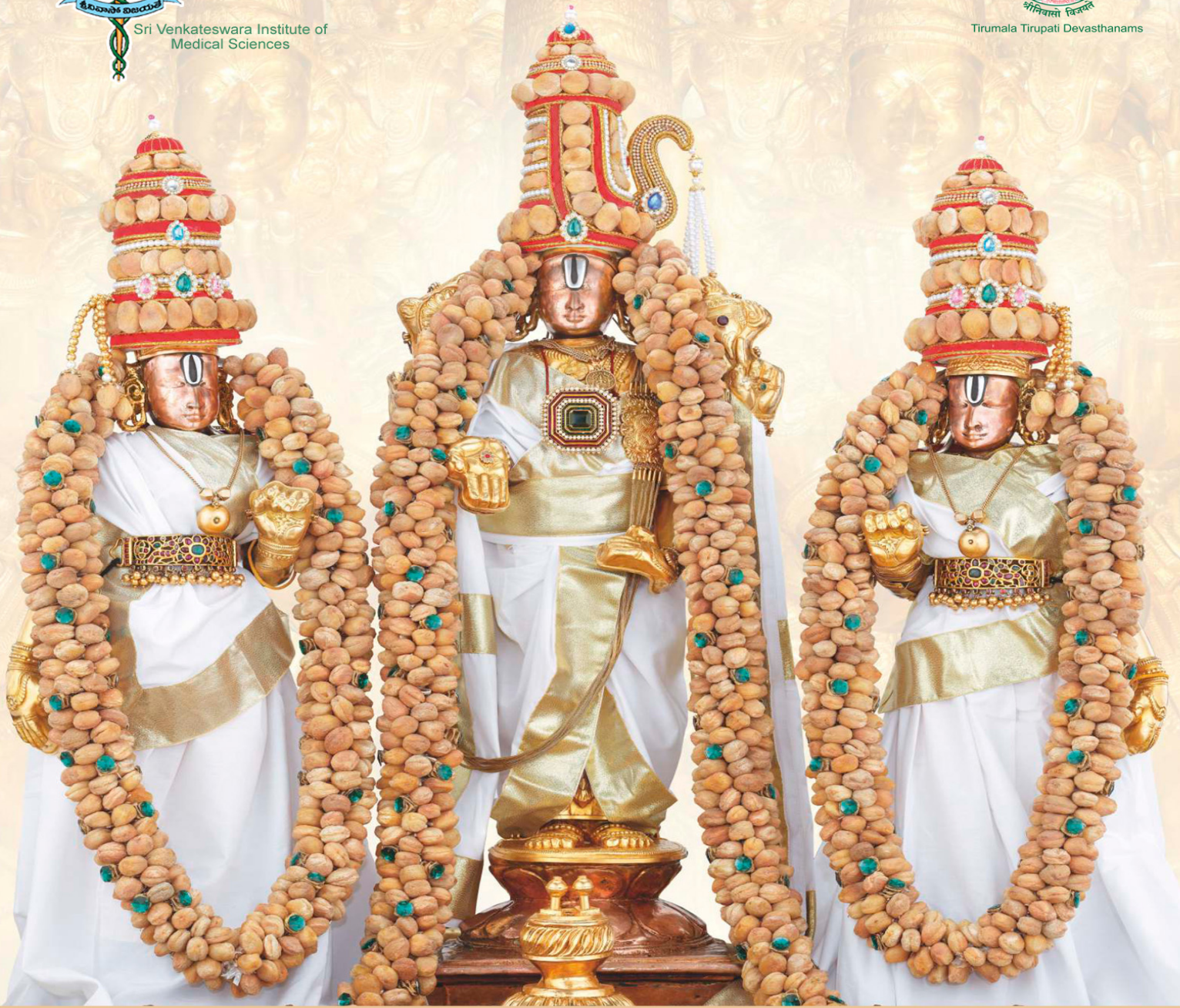




Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



VII. DEPARTMENTAL INFORMATION



1.0 DEPARTMENT OF ANAESTHESIOLOGY

Professor & Head

Dr Aloka Samantaray

Faculty

Dr M. Hanumantha Rao
Dr P. Janaki Subhadra
Dr N. Hemanth
Dr M. Madhusudhan

Dr P. Hemalatha
Dr K. Vinay
Dr R. Sree Devi

Dr S. Shameem
Dr R.Naga Divya
Dr Sunil N

Senior Residents

Dr Bhargavi Thota
Dr Ediga Adilakshmi

Dr Kuraparthi Jasmitha

Dr Swetha Silpa Udatha

Tutor cum PG (MD) Junior Residents

Dr Sujani Gooty
Dr Valaji Joshna
Dr Koracha Gayathri Devi
Dr R Bhanuprakash
Dr Yadhu Bhushanam K
Dr Mukku Kiranmye
Dr Mahesh E
Dr Thottikat Kaarthika
Dr Chukkaluru Sumadhu

Dr Sharon Linnet
Dr Banoth Radhika
Dr Sahana B N
Dr P. Sameera Vani
Dr M. Venkata Srinivas
Dr M. Kishore
Dr K. Krishna Priya
Dr M.Harshavardhan
Dr C.M. Ravi Kumar

Dr Vijaya Gandipan A
Dr Balaraju Jeevitha
Dr G. Sravani Malathi
Dr Vagga Ramesh
Dr A Aparna
Dr Rayavarapu Anila
Dr Mathangi Brunda
Dr Manoj Sankala

1.1 Awards, achievements and felicitations

1. Dr.M.H.Rao, Senior Prof & Dean, officiated as **Editorial Board Member** of Indian Journal of Anaesthesia, an official publication of Indian Society of Anaesthesiologists
2. Dr Aloka Samantaray, Professor & Head officiated as **Associate Editor** of Indian Journal of Anaesthesia, an official publication of Indian Society of Anaesthesiologists.
3. Dr T.Kaarthika, PG Resident received **“2nd Prize”** for paper entitled “Comparison of effect on intraperitoneal instillation of additional dexmedetomidine or clonidine along with bupivacaine for postoperative analgesia following laparoscopic cholecystectomy – A prospective, randomized, double blind study” at ISACON – 2019, Bengaluru.

4. Dr Gayathri. K, PG Resident has received **“2nd Prize”** for poster presentation Impediment in securing airway in a case of ameloblastoma at ISACONAP- 2019 at KIMS, Amalapuram.

1.2 Fellowships received

International

Dr Aloka Samantaray received Fellowship of International Medical Sciences Academy (FIMSA).

1.3 Research work

Thesis work

Theses submitted

1. Sujani G. The patient characteristics, adverse events and outcome following elective intracranial surgeries in a tertiary hospital-A prospective observational study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

2. Joshna V. Comparison of 2 doses of fentanyl on characteristics of bupivacaine subarachnoid block in infraumbilical surgeries-A randomized prospective double blind study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Gayathri Devi.K Postoperative delirium in cardiothoracic surgical patients: A prospective observational study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Yadhu Bhushanam K. Validation of surgical APGAR Score in abdominal surgeries in a tertiary care teaching hospital in South India (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. Sumadhu C. The effect of dexmedetomidine as an adjuvant to ropivacaine for wound infiltration in providing post operative analgesia for open abdominal surgeries (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. Kaarthika T. Comparison of effect of intraperitoneal instillation of additional dexmedetomidine or clonidine along with bupivacaine for post operative analgesia following laparoscopic cholecystectomy: a prospective, randomized double blind, controlled study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. Mahesh E. A comparative study on the effects of propofol and etomidate on hemodynamic stability, seizure duration and recovery profile during electro convulsive therapy (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
8. Kiranmye M. Comparison of the efficacy of three different opioids as adjuvants to hyperbaric bupivacaine for subarachnoid block in elective lower limb orthopedic surgeries – a prospective , randomized, double blind study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
9. Bhanu Prakash A. Comparative study of desflurane and fentanyl with propofol and fentanyl on intraoperative anaesthetic requirement, postoperative analgesia and recovery profile (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. Sahana.B.N To compare efficacy of addition of dexmedetomidine or placebo to ropivacaine scalp block to attenuate the hemodynamic response to skull pin placement in neurosurgical procedures study (MD).
2. Krishna Priya Effect of perioperative dextrose infusion on postoperative nausea and vomiting: A prospective, double blind randomized placebo controlled study (MD).
3. Radhika Comparison of fractionated doses at two different intervals in spinal anaesthesia with hyperbaric ropivacaine in patients undergoing infra umbilical surgeries study (MD).
4. Sharon Linnet Evaluation of quick sequential organ failure assessment (qSOFA) in predicting mortality in intensive care unit study (MD).
5. Kishore M. A comparative study on fixed dose dexmedetomidine and propofol infusions on desflurane consumption during BIS guided laparoscopic surgeries: A randomized controlled study (MD).
6. Harsh Vardhan M. Attenuation of hypotension associated with the induction dose of propofol: A randomized controlled trial comparing vasopressor doses of phenylephrine and mephentermine study (MD).
7. Venkata Srinivas M. Comparison of case of intubation with McCoy laryngoscope and CMAC videolaryngoscope in modified Mallampatti (MMP) grade III and grade IV patients study (MD).
8. Sameera Vani P. Role of APACHE II LODS and admission chest X-ray in predicting mortality in critically ill patients study (MD).

1.4 Conferences attended, lectures delivered

Dr M.Hanumantha Rao, attended the following

1. Advanced course in Medical Education (Medical Council of India Mandatory Workshop) at Christian Medical College, Vellore during 12-14 March 2019.

2. ISACONAP- 2019 KIMS at KIMS Amalapuram during 19-20 November 2019 and delivered guest lecture on Acute Kidney Injury in ICU.

Dr Alok Samantaray, attended the following

1. ISACON East Zone conference 2019 and delivered a guest lecture on “Perioperative Fluid Therapy” at AIIMS, Bhubaneswar during 18-19 October 2019.
2. ISACON 2019 conference and delivered a guest lecture on “Management of Anterior Mediastinal Mass”

Dr N. Hemanth, attended the following

1. Simulation User Network (SUN) conference in India held at St. John’s Medical College, Bengaluru from 3rd to 6th September 2019.

Dr Sunil.N attended the following

1. South Zone Critical Care at Mysuru in April, 2019.
2. 7th Annual “BEST OF BRUSSELS” Symposium on Intensive Care & Emergency Medicine to be held at Pune during 5-7 July 2019.

1.5 Presentations by postgraduate students

Postgraduate students pursuing MD (Anaesthesiology) presented the following posters at:

ISAAPCON State Conference- 2019 at KIMS, Amalapuram during 19-20 November 2019

1. Joshna V. Peripartum complications-or: an outcome study.
2. Bhanu Prakash. Anaesthetic management of laparoscopic CAPD catheter insertion in a patient with mitochondrial neurogastrointestinal syndrome.
3. Gayathri. Impediment in securing airway in a case of ameloblastoma .
4. Kiranmaye. Anaesthetic Management of a patient with large cerebral aneurysm.

1.6 Publications

1. Dharaniprasad G, Srikanth L, Ballweg R, Sarma P, Indra Kumar S, Samantaray A. The journey of Physician assistants in India: Specialty areas to primary care. J Physician Assist Educ 2019;30(3).

2. Dharaniprasad G, Samantaray A, Srikanth L, Hanumantha Rao M, Chandra A, Sarma PVGK. Novel Arg128Ala variant in Catechol-O-methyltransferase gene influences persistent pain. Clin Genet 2019 Oct 24. Doi:10.1111/cge.13650.

3. Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK, Association of G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post – sternotomy pain. Gen Thorac Cardiovasc Surg 2019;67:806-10.

4. Rao MH, A. Venkatraman, R. Naga Divya, M. Madhusudhan, Alladi Mohan , Samantharay A. Comparison of Performance of APACHE II and SOFA Scoring Systems in Critically Ill Patients Admitted to Intensive Care Unit. Indian J Chest Dis Allied Sci 2019; 61:69-74.

5. Brinda K, Samantaray A, Hanumantha Rao M. Evaluation of 25 Gauge Quincke and Whitacre Needles on Technical Problems and Post Dural Puncture Headache: A Prospective, Observational study. Indian J Anesth Analg. 2019;6:563-69.

6. Srihari Bommala, Madhusudan Mukkara, Alok Samantaray, Hemalatha Pasupuleti, Dyva Manogna Reddycogu, Santhi Swetha Pudotha, Shravani Pabba, Sathish .Effects of intravenous ondansetron and granisetron on haemodynamic changes during spinal anaesthesia in non-obstetric population: a randomised double blind study. J Clin Diagn Res 2019;13:UC01-4

7. Putta PG, Pasupuleti H, Samantaray A, Natham H, Rao MH. A comparative evaluation of preemptive versus postsurgery intraperitoneal local anaesthetic instillation for postoperative pain relief after laparoscopic cholecystectomy: A prospective, randomised, double blind and placebo controlled study. Indian J Anaesth 2019;63:20511.

8. E.L.Samundeshwari, L.Srikanth, K.Sireesha,K.Surekha, C.Chandrasekhar, M.H.Rao, B.Vengamma, P.V.Gurunadha, K.SarmaIdentified Cancer Stem Cells (CSCs) in ExVivo Cultured Acute Lymphoid Leukemia (B-ALL) Cells. J Stem Cells 2019;14:2.

1.7 CMEs/Seminars/Workshops/Orations conducted by the dept.

1. Dr M.H.Rao, organized “Balaji Anaesthesia Gold medal chair oration on 16/10/2019, as a part of World Anaesthesia day celebrations and felicitated Dr. Mukesh Tripathi, Director, AIIMS, Mangalagiri, Vijayawada.
2. Dr Aloka Samantaray, Conducted Joint CME of Anaesthesia and CTVS on 5th October 2019 at SVIMS, Tirupati.
3. TEE workshop at Anaesthesia department by Dr.Sreekanth Cheruku from UT South Western Medical Centre during 29-30 August 2019.
2. MCI Assessment for 1st renewal of MBBS (UG) – Zydus Medical College and Hospital , Dahod Gujarat during 3-4 January 2019.
3. DNB – Accreditation of Neuro Anaesthesia - G.B.Pant Hospital, New Delhi on 16th July 2019.
4. DNB – Accreditation of Critical Care - Nehru Shatabdi Chikitsalaya Singrauli, M.P. on 13th August 2019.
5. Conducted many Jeevandan cadver organ donation transplant program of Andhra Pradesh, Ramesh Cardiac Hospitlas, Vijayawada, Sunrise Hospital Viajyawada, Ramesh Hospitlas Guntur etc...

1.8 Other Professional Activities

Dr M.H.Rao, attended the following

1. MCI Assessment for renewal of MBBS(UG) – Kerala Medical College, Mangode, Palakkad, Kerala – for academic year 2019-20.

2.0 DEPARTMENT OF ANATOMY

Associate Professor & HOD i/c

Dr C. Sreekanth

Faculty

Dr J. Vasu Deva Reddy
Dr K. Prathiba

Dr Srivani D

Dr I. Vinayaka Naik

Tutors

Dr M. K. Lalitha Kumari
Mr. D. Kishore Naick

Mr. K. Thyagaraju

Mr. C. Venkataramana

2.1 Awards

Ms. Reema & Ms. Vasundara (M.Sc. 3rd year) have Secured second prize in Rangoli on gross anatomy and embryology of Thorax and Abdomen at National CME on “Demystifying robotic surgery – an Anatomical Approach” at SRM Medical College Hospital and Research Centre, Tamil Nadu.

2.2 Research projects

Ongoing Research projects

1. **Principal Investigator:** Dr C. Sreekanth, **Title:** A study on Morphometry of pterion in Adult dry human skull bones in Rayalaseema population.
2. **Principal Investigator:** Dr K. Prathiba, **Title:** A Study on Ossified Carotico-Clinoid Ligament in Human Skulls in Rayalaseema Zone.
3. **Principal Investigator:** Dr D. Srivani, **Title:** A study on variations of profunda femoris artery.

2.3 Dissertation work

Dissertation submitted

1. **Sai Krishna.** A Morphometric study on Nutrient foramina in Long bone of Rayalaseema region (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Ravi Shankar.** Morphology and Morphometric study of “Pterion in human skull of Rayalseema Population (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Dissertation work

1. **Reema.** Morphology & Morphometry of Middle Cranial Fossa (MSc).
2. **Vasundara.** Morphology & Morphometry of superior surface of Tibia (MSc).

2.4 Publications

1. Sreekanth C, Vinayaka Naik I. The Morphological and Morphometric Study on Diaphyseal Nutrient Foramina of Dry Human Fibula Bones. J Anat Res 2019;7(1.3):6302-6.

Accepted for publication

1. Sreekanth C, Lattupalli Hema. Morphometric study of Orbit in skull bones: Direct Measurement study.
2. Sreekanth C, Lattupalli Hema. Study on the nutrient foramen of long bones of Upper Limb.

2.5 CMEs/Seminars/Workshops

1. **Dr J. Vasudeva Reddy, Dr C. Sreekanth, Dr K. Prathiba, Dr M.K. Lalitha Kumari, Mr. K. Thyagaraju, Mr. D. Kishore Naick, Mr. C. Venkataramana** have attended The “CME on Medical Research” at SVIMS on 24th February 2019.
2. **Dr J. Vasudeva Reddy, Dr C. Sreekanth & Dr K. Prathiba** have attended the “8th National Seminar Bioinformatics” at SVIMS, Tirupati on 2th February 2019.

3. **Dr J. Vasudeva Reddy, Dr C. Sreekanth & Dr K. Prathiba** have participated in Revised Basic Course Workshop at SVIMS-SPMC(W), Tirupati during 24-26 June 2019.
4. **Dr J. Vasudeva Reddy, Dr C. Sreekanth & Dr K. Prathiba** have participated in Curriculum implementation Support Programme at SVIMS-SPMC(W), Tirupati during 27-29 June 2019.
5. **Mr. D. Kishore Naick** has attended three days workshop on first level SVIMS-SPMC (W) Simulation system training program and curriculum development during 22-24 August, 2019.
6. **Dr M.K.Lalitha Kumari** has attended in workshop on ethical and welfare issues in Animal usage in Biomedical Research at Veterinary College, Shivamogga during 4-6 September 2019.
7. **Dr C. Sreekanth, Dr K. Prathiba, Dr D. Srivani, Dr M.K.Lalitha Kumari, Mr. D. Kishore Naick & Mr. C. Venkataramana** have participated in one day CME programme on Competency based under Graduate Medical Education to the teaching faculty for first professional year MBBS(2019-20) on 11th October 2019.
8. **Mr. D. Kishore Naick** has attended three days workshop on second level SVIMS-SPMC (W) Simulation system training program and curriculum development during 3-5 December 2019.
9. **Dr M.K.Lalitha Kumari, Mr. K. Thyagaraju, Mr. D. Kishore Naick** have attended the workshop on “Pharmacovigilance and Reporting Adverse drug Reactions” by adverse Drug Research Monitoring Centre, Department of Pharmacology at SVIMS-SPMC(W) on 29th December 2018.
10. **Ms. Reema & Ms. Vasundara (M.Sc. 3rd year)** have attended the National CME on “Demystifying robotic surgery – an anatomical approach” at SRM Medical College Hospital and Research Centre, Tamil Nadu on 23rd March 2019.

3.0 DEPARTMENT OF BIOCHEMISTRY

Senior Professor & Head

Dr P.V.L.N. Srinivasa Rao

Faculty

Dr Aparna R. Bitla
Dr M.M. Suchitra

Dr V.Sri Devi Kiranmayi
Dr N. Harini Devi

Dr M. Kusuma Kumari
Dr T. Silpa

Senior Resident

Dr. N. Lakshmana

MD Tutor cum PG Junior Residents

Dr Keerthi Thejmitta

Dr Pralayakaveri Jyothsna

Dr K. Mamatha

3.1 Research Projects

Research Projects completed

1. **Principal Investigator:** Ms.V.Ramyaasree, **Title:** Study of association of eGFR using different equations with hypertensive renal damage. ICMR (STS) Project for MBBS student. **Funding Agency:** SBAVP,SVIMS.
2. **Principal Investigator:** Ms.K.Dharshini, **Title:** To study the association between anthropometric indices, Lipid accumulation product and Atherogenic indices among the adolescents. ICMR (STS) Project for MBBS student. **Funding Agency:** SBAVP,SVIMS.
3. **Principal Investigator:** Ms.K.Dharani, **Title:** Study of high sensitivity C reactive protein levels in apparently healthy overweight and obese individuals. ICMR (STS) Project for MBBS student. **Funding Agency:** SBAVP,SVIMS.

Ongoing Research projects

1. **Principal Investigator:** Dr. Aparna R Bitla, **Title:** Effect of rosuvastatin on the anti-atherogenic effect of high density lipoprotein in pre and post menopausal women with type 2 diabetes mellitus. **Funding Agency:** SBAVP, SVIMS.
2. **Principal Investigator:** Dr. VS. Kiranmayi, **Title:** Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism

on treatment with thyroxine. **Funding Agency:** SBAVP, SVIMS.

3. **Principal Investigator:** Dr. N. Harini Devi, **Title:** Role of Apoptosis – related biomarkers intercellular adhesion molecule-1 and plasminogen activator inhibitor 1 in benign and malignant breast carcinoma. **Funding Agency:** SBAVP, SVIMS.

3.2 Research Work

Thesis work

Thesis submitted

1. Keerthi Tej Mitta. Effect of Rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Pullaiah P. Effect of vitamin D supplementation on oxidative stress and inflammation in patients with type 2 diabetes mellitus (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Sasikala T. Oxidative stress and inflammation in type 2 diabetes mellitus patients with subclinical atherosclerosis (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Naresh S. Study of anti-atherogenic effects of rosuvastatin in patients with type 2 diabetes mellitus (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Jyothsna P. Glycated albumin and glycated hemoglobin levels in type 2 diabetes mellitus patients with iron deficiency anemia (MD).

Dissertation work

Dissertation submitted

1. Sandya. Association Of Bone Isoform Of Alkaline Phosphatase With Glycaemic Status In Patients With Type 2 Diabetes Mellitus (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Sukanya E. To Study The Association Of Salivary Urea With Oral Hygiene Index In Pre Dialysis Patients With Chronic Kidney Disease (Msc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Priya RD. To Study The Levels Of Urinary N-Acetylglucosaminidase In Patients With Type 1 Diabetes Mellitu. (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Thesis work carried out in collaboration with other departments

Thesis submitted

Dr Aparna R Bitla, was **Co-guide** for the thesis

1. Pasala Chiranjeevi (ICMR-JRF). Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen Helicobacter pylori (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Katari Sudheer Kumar (DBT-JRF) titled: In-silico trials to identify potent inhibitors against matrix metalloproteinases in breast cancer (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr. N. Harini Devi, was **Co-guide** for the thesis

1. Sunnesh Reddy A. To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

2. Sai Sameera N. A study of markers of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease patients on peritoneal dialysis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Ganesh. A Study of Microalbuminuria In Sepsis With Reference To Acute Physiology And Chronic Health Evaluation II (APACHE II) Score In Patients Admitted To A Medical Intensive Care Unit (MICU) (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Navakiran Reddy. Comparison of Performance of SOFA and q SOFA Scoring System at the time of admission in critically ill patients who requires intubation in Emergency Department. (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. Vinayakyerra. Clinical Profile of Hypertensive patients Presenting to Emergency Department (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr Kiranmayi VS, was **Co-guide** for the thesis

1. Sowjanya J. Clinical features precipitating factors biochemical profile and outcome in relation to Inhospital care of Diabetic ketoacidosis: A prospective study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Manoj B. Evaluation of renal function after percutaneous nephrostomy or DJ stenting in calculus upper tract obstruction with renal failure (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Raghavendra K. titled: Prevalence of Autonomic neuropathy in patients with type 2 Diabetes mellitus with special reference to Cardiac Autonomic neuropathy (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Mani Deepthi D. Effects of adequate treatment of Hyperthyroidism on glycated hemoglobin levels in non diabetic subjects with Hyperthyroidism (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

5. Harshavardhan Reddy G. Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. Devika Reddy Vakkakula. A study of prevalence and determinants of thyroid dysfunction in patients with type 2 diabetes mellitus in a tertiary care hospital (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

Dr Aparna R Bitla, was **Co-guide** for the thesis

1. Nalamolu Ravina Madhulitha. In silico identification of potential drug targets, vaccine candidates and inhibitor design against Mycobacterium tuberculosis. (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Naveen Kumar K. A study of markers of oxidative stress, inflammation, endothelial dysfunction and ischemia in diabetic and non-diabetic chronic kidney disease patients not on dialysis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Maria Bethsaida Manual. Correlates of atherosclerotic vascular disease in stable post-renal transplant patients (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Alekhya. A study on markers of inflammation, and oxidative stress in patients with ESRD with peritonitis on peritoneal dialysis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr M.M.Suchitra, was **Co-guide** for the thesis

1. Tushaar. To study the outcome of renal failure in patients of chronic kidney disease following per cutaneous nephrolithotomy for symptomatic renal calculus disease (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Seelabanu P. A study of correlation of serum uric acid levels with glycosylated hemoglobin levels and

fasting blood sugar levels in patients with type 2 diabetes mellitus (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

3. Keerti. Serological characterization of direct antiglobulin test positive autoimmune hemolytic anemia in a tertiary care teaching hospital in Tirupati (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Sairam. Status of serum electrolytes in patients before and after receiving platinum based chemotherapy (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr Kiranmayi VS, was **Co-guide** for the thesis

1. Sandeep Ganta. Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Avinash Patil. Body composition and mediators of energy homeostasis in hyperthyroidism (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Raja Amarendra Muthina. Gonadal function and body composition in adult men with non diabetic chronic kidney disease (predialysis) (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Maria Bethsaida Manual. Correlates of atherosclerotic vascular disease in stable postrenal transplant patients (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. Anusha ND. A study on the effect of treatment on the prevalence of and ultrasonological grading of Non-alcoholic fatty liver disease in patients with Hypothyroidism (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. Buddharaju P. Varma. Prevalence of microvascular complications in patients with Type 1 diabetes mellitus with special reference to autonomic neuropathy (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

3.3 Conferences attended, lectures delivered

International

Dr M.M.Suchitra, attended the following

1. International Conference of Biometcon 2019 on Obesity- Metabolic Enigma at Sri Ramachandra Institute of Higher Education and Research, Chennai during 2-5 January 2019.
2. International Conference of Biometcon 2019 and chaired a session on Micronutrients mediated epigenetic regulation of obesity & Type 2 diabetes mellitus at Sri Ramachandra Institute of Higher Education and Research, Chennai on 5th January 2019.

Dr M. Kusuma Kumari attended International Conference of Biometcon 2019 on Obesity-Metabolic Enigma from 2nd to 5th January 2019 at Sri Ramachandra Institute of Higher Education and Research, Chennai.

National

Dr PVLN Srinivasa Rao and Dr Aparna R Bitla, attended the 3rd State conference of Telangana Chapter Conference of AMBI and conducted a workshop on “SPSS demonstration” hosted by the Department of Biochemistry, NIMS, Hyderabad during 14-15 June 2019.

Dr Aparna R Bitla, Dr.M.M.Suchitra, Dr Kiranmayi VS, Dr. N. Harini Devi and Dr M. Kusuma Kumari, attended the 3rd Annual conference of the Endocrine society of Andhra Pradesh ESAPCON-2019 and **Dr. N. Harini Devi**, delivered a lecture on “Bone turn over markers – Benefits and limitations at Tirupati on 17th March 2019.

Dr.M.M.Suchitra, attended the following

1. 8th National Seminar on Bioinformatics and Chaired a scientific session at SVIMS during 22-23 February 2019.
2. 6th state level conference of Association of Medical Biochemists, Karnataka chapter from 20-21 September 2019 at Mysuru and chaired a session on “Cancer a genetic disease”.

3.4 Presentations by postgraduate

At the 3rd Annual conference of the Endocrine society of Andhra Pradesh ESAPCON-2019 on 17th March 2019 at Tirupati and presented a poster

1. **Joshna P.** Study of association of Vitamin D levels with glycemic control in patients with type 2 diabetes mellitus.

3.5 Publications

1. Chiranjeevi Pasala, Sudheer Kumar Katari, Ravina Madhulitha Nalamolu, Aparna R. Bitla, Umamaheswari Amineni. Hierarchical-Clustering, Scaffold-Mining Exercises and Dynamics Simulations for Effectual Inhibitors Against Lipid-A Biosynthesis of Helicobacter pylori. Cellular and Molecular Bioengineering 2019. <https://doi.org/10.1007/s12195-019-00572-5>.
2. Manda P, Srinivasa Rao PVLN, Bitla AR, Vinapamula KS, Jeyaseelan L, Rajasekhar D, Vishnubhotla S. Study of contrast-induced oxidative stress in nondiabetic patients undergoing coronary angiography. Saudi J Kidney Dis Transpl. 2019;30(1):45-52.
3. Sateesh R, Bitla AR, Budugu SR, Mutheeswariah Y, Narendra H, Phaneendra BV, *et al.* Oxidative stress in relation to obesity in breast cancer. Indian J Cancer 2019;56:41-4.
4. Sasikala T, Bitla AR, Sachan A. Urinary brush border enzymes for early diagnosis of tubular dysfunction in patients with type 2 diabetes mellitus. Int J Res Med Sci 2019;7:2015-21.
5. Geriki S, Bitla AR, SrinivasaRao PVLN, Hulikal N, Yootla M, Sachan A, Amancharla Yadagiri L, Asha T, Manickavasagam M, Kannan T, Kumari AP. Association of single nucleotide polymorphisms of adiponectin and leptin genes with breast cancer. Mol Biol Rep. 2019;46:6287-6297.
6. B.Sandya Rani, M.M.Suchitra, PVLN.SrinivasaRao, V.Siva Kumar. Serum tumor markers in advanced stages of chronic kidney diseases. Saudi J Kidney Dis Transpl 2019;30(4):898-904.

7. Pallavi M, Suchitra MM, AlokSachan, Lakshmi AY, SrinivasaRao PVLN. Role of adipokines, oxidative stress, and endotoxins in the pathogenesis of nonalcoholic fatty liver disease in patients with type 2 diabetes mellitus. *Int J Res Med Sci*. 2019 ;7(5):1644-52.
8. **Narasimha S, Devi NH, Sachan A, Kumar VS. Atherogenic ratios and serum lipid levels in patients with end-stage renal disease on continuous ambulatory peritoneal dialysis. J NTR Univ Health Sci 2019;8:89-94.**
9. Anjani A, Harini Devi N, Nagaraj RD, Kumar VS. Burnt-out diabetes in diabetic nephropathy patients on maintenance haemodialysis. *J Clin Sci Res* 2019;8:7-10.
10. Shaik Khaja Shanawaz Basha, T. Mahendra Reddy, Dudekula Shakir, Siddham Siva Prasad, R. Jayaraman, Harini Devi. N, B. Shivanandh, Siva Kumar.V. Pill burden, sleep quality, anxiety, depression in patients with diabetic and non-diabetic chronic kidney disease. *Journal of Biomedical and Pharmaceutical Research*. 2019;9:60-67.
11. Kiranmayi VS, Bhargav KM. Brown adipose tissue in adult humans: A mini review. *J Clin Sci Res* 2019;8:24-8.
12. Gowthami P, Kiranmayi VS, Rani BS, Suresh V, Vijayalakshmi Devi B. Study of serum adiponectin levels in women with polycystic ovary syndrome. *Indian J ObstetGynecol Res* 2019;6:288-92.
13. Sreenivasulu K, Kiranmayi VS, Rajendra Prasad N, Bitla AR, Sachan A. Association of triglycerides/ high density lipoprotein cholesterol ratio with insulin resistance in polycystic ovary syndrome. *Int J Res Med Sci* 2018;6:4028-33.
14. Veluri G, Vinapamula KS, Rao PV, Kommireddy S, Manohar SM, Pasupuleti P. Serum adiponectin levels in patients with rheumatoid arthritis. *Indian J Rheumatol* 2019;14:119-22.
15. Sridhar AV, Srinivasa Rao PV, Sivakumar V, Satish P, Shalini P, Suchitra MM, et al. Study of oxidant and anti-oxidant status in patients with chronic kidney disease. *J Clin Sci Res* 2018;7:124-30.

16. Kiranmayi VS, Srinivasa Rao PL, Kumar VS. Evaluation of an automated method for the measurement of salivary creatinine. *J Clin Sci Res* 2018;7:97-8.

3.6 CMEs

- A Joint CME was organized by Departments of Biochemistry, Endocrinology and Pharmacology as part of the 3rd Annual conference of the Endocrine Society of Andhra Pradesh ESAPCON-2019 at Tirupati on 17th March 2019.

3.7 CMEs/Seminars/Workshops attended:

Dr Aparna R Bitla, attended the following

1. a workshop on “Choosing a teaching method for objectives and competencies” in the 1st Revised Basic Course Workshop at SVIMS, SPMC(W) on 25th June 2019.
2. CME on Medical Research’ held at SVIMS, Tirupati on the occasion of the Institute Research Day on 24th February 2019, and delivered a guest lecture on ‘Hypothesis testing and research question’ as well as presented a poster on “Comparison of traditional tumour markers with novel markers for breast cancer diagnosis”.

Dr M.M.Suchitra, attended the following

1. ‘CME on Medical Research’ held at SVIMS, Tirupati and gave a podium presentation on scientific paper on “Risk factors for cardiovascular disease in obese children” on the occasion of the Institute Research Day at SVIMS, Tirupati on 24th February 2019.
2. Workshop on 1st Revised Basic Course Workshop and CISP at SVIMS SPMC(W) during 24- 29 June 2019.
3. CME and delivered a lecture on “Urine analysis in metabolic disease” in a session on role of urine analysis in current clinical practice on 6th July 2019 conducted by Dept of Pathology, SVIMS, Tirupati

Dr N. Harini Devi, Dr Kiranmayi VS, Dr M. Kusuma Kumari, Dr T. Silpa attended CME on “Medical Research” held at SVIMS, Tirupati on the occasion of Institute Research Day on 24th February 2019.

Dr Aparna R Bitla, Dr M.M.Suchitra, Dr N. Harini Devi, Dr Kiranmayi VS, Dr M. Kusuma Kumari, Dr T. Silpa, attended CME on “Advanced heart, lung diseases management and transplantation” at SVIMS, Tirupati during 25-27 February 2019.

Dr M. Kusuma Kumari, attended a workshop on “Assessment of clinical and practical skills” in the 1st Revised Basic Course Workshop at SVIMS SPMC (W) on 26th June 2019.

Dr M.M.Suchitra, Dr Kiranmayi VS, Dr. M. Kusuma Kumari, attended CME on “Competency based undergraduate Medical Education – Professional Year I” at SVIMS-SPMCW, Tirupati on 11th October 2019.

Dr T. Silpa, attended the Joint CME organized by Departments of Biochemistry, Endocrinology and Pharmacology as the 3rd Annual conference of the Endocrine society of Andhra Pradesh ESAPCON-2019 at Tirupati on 17th March 2019.

3.8 Other academic activities

Dr PVLN Srinivasa Rao, attended as external examiner for MD exams at

1. Annamalai University, Chennai during 15-17 April 2019.
2. Banaras Hindu University, Varanasi during 28-30 May 2019.

Dr Aparna R Bitla, attended as external examiner for MD practicals at

1. NIMS, Hyderabad during 12-13 April 2019.
2. St.John’s Medical College, Bangalore during 24-26 May 2019.

Dr M.M.Suchitra, attended as

1. External examiner for MD examination at Madras Medical College, Chennai during 27-28 May 2019.
2. External examiner for MD examination at Government Mohan Kumaramangalam Medical College, Salem during 23-24 October 2019.

3. Evaluated MD dissertations from the Tamil Nadu Dr.MGR Medical University, Chennai.
4. Reviewed manuscripts for Journals: (a) Journal of nutrition and obesity (b) Indian Journal of Medical Biochemistry (c) Oxidative medicine and cellular longevity (d) Endocrine, Metabolic & Immune Disorders - Drug Targets (e) JERS

Appointed as

5. Member of editorial review board in “Indian Journal of Medical Biochemistry”.
6. Quality Manager, National Accreditation board of laboratories for the purpose of accreditation of laboratories by SVIMS University, Tirupati.
7. Academic editor in Journal of Advances in Medicine and Medical research.

Dr Kiranmayi VS, attended as external examiner for I year MBBS practical examination at Sri Venkateswara Medical College, Tirupati during 10-11 October 2019.

Dr N.Harini Devi as

1. Department quality manager participated in the NABH activities during preassessment during 3-4 October 2019.
2. Coordinator of Staff Health Committee participated in organizing annual checkup for all the employees of SVIMS above 40 years of age.

4.0 DEPARTMENT OF BIOINFORMATICS

Associate Professor & Head

Dr A. Umamaheswari

Teaching Assistant

Mrs. Pakala Sivaranjani

PhD Research Scholars

Mr. Pasala Chiranjeevi

Ms. Nalamolu Ravina Madhulitha

Mrs. Pakala Sivaranjani

Mr. Katari Sudheer Kumar

Ms. Sharon Priya Alexander

Mr. Vankadoth Umakanth Naik

4.1 Awards, achievements and felicitations

1. **Dr A. Umamaheswari**, Associate professor & Head, Department of Bioinformatics got a **certificate of appreciation** from the Director, SVIMS on republic day in 2019 for her meritorious services.
2. **Mr. Pasala Chiranjeevi**, ICMR-SRF received **DST-SERB International travel grant** to present research work on “Integration of binding potency estimations and stability assessments for therapeutic design against MurG of *H. pylori*”. The same was presented and published at the International Conference of Albany 2019: The 20th Conversation organized by Departments of Chemistry and Biological Sciences, State University of New York, Albany during 11-15 June 2019.
3. **Sudheer Kumar K** got **appreciation certificate** in the 3rd World Cancer Congress - 2019 organized by Arjyopa Healthcare at Royal Orchid Central Grazia, Vashi, Mumbai during 20-21 November 2019.
4. **Bhuvaneswari P**, awarded **the best poster** in the International Conference on Applications of Biotechnology and Nanotechnology (ICBN 2019) organized by B. S. Abdur Rahman Crescent Institute of Science and Technology in association with University of Missouri, USA during 30th September - 1st October 2019.
5. **Sharon Priya Alexander and Siva Ranjani P, Rishi Gowtham R**, awarded **the best oral and best poster** in 8th National seminar on Bioinformatics organized by Department of Bioinformatics at SVIMS University, Tirupati during 22-23 February 2019.

4.2 Fellowships received

1. Mr. Vankadoth Umakanth Naik, received JRF under UGC-NFST.

4.3 Orations delivered

1. **Dr Amineni Umamaheswari**, Associate Professor and Head, Department of Bioinformatics delivered a lecture on entitled “Vaccine and drug design for *H. pylori*” for degree lecturers in Sri Venkateswara University on 17th December 2019.

4.4 Research projects

Completed Research Projects

1. **Principal Investigator:** Pasala Chiranjeevi. **Title:** Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori*. **Funding Agency:** Indian Council of Medical Research (ICMR), Govt. of India, New Delhi, 2014-19 (5yrs.)

Ongoing Research Projects

Principal Investigator: Dr A. Umamaheswari

1. **Title:** Creation of BIF for promotion of BTBI by DBT. **Funding agency:** Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India. New Delhi, 2006-2020 (15 yrs.)
2. **Title:** Computer aided approach to identify potential drug targets and potent lead molecules against *Mycobacterium tuberculosis* **Funding agency:** Indian Council of Medical Research (ICMR), Govt. of India, New Delhi, 2017-2020 (3 yrs.)

3. **Title:** Potential drug target identification and inhibitor design for human breast cancer through transcriptomic analysis. **Funding agency:** Department of Science and Technology (DST), Ministry of Science & Technology, Govt. of India. New Delhi, 2017-2022 (5yrs.)
4. **Title:** Design of leads to manage Parkinson's disease through transcriptomic analysis. **Funding agency:** University Grants Commission, Govt. of India (2019-2023)

4.5 Research works

Thesis submitted

1. Pasala Chiranjeevi. Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori* (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. **Katari Sudheer Kumar.** *In silico* trials to identify potent inhibitors against matrix metallo proteinases in breast cancer (PhD).
2. **Nalamolu Ravina Madhulitha.** Computer aided approach to identify potential drug targets and potent lead molecules against *Mycobacterium tuberculosis* (PhD).
3. **Sharon Priya Alexander.** Potential drug target identification and inhibitor design for human breast cancer through transcriptomic analysis (PhD).
4. **Pakala Sivaranjani.** Potential drug target identification and inhibitor design for human cervical cancer through transcriptomic analysis (PhD).
5. **Vankadoth Umakanth Naik.** Design of leads to manage Parkinson's disease through transcriptomic analysis (PhD).

4.6 Conferences attended and lectures delivered

1. Dr Amineni Umamaheswari, Associate Professor and Head, Department of Bioinformatics chaired a session in International Conference on "Advances in Biosciences and Technology: Impact on Plant, Animal and Human Health" (ICABT-2019)

organized by Dept. of Zoology, Sri Venkateswara University from 24th-26th December 2019.

International

3rd World Cancer Congress-2019 organized by Arjyopa Healthcare held in Royal Orchid Central Grazia, Vashi, Mumbai, during 20-21 November 2019.

1. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N and Umamaheswari A. Potent stromelysin-2 antagonist design for cancer malignancies.

International Chemical Biology Society (ICBS-2019) 8th Annual conference on "Navigating Translational Discoveries" organized by CSIR-Indian Institute of Chemical Technology (CSIR-IICT) during 2-4 November 2019.

1. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Umamaheswari A. Design of stromelysin-3 inhibitors targeting metastatic breast malignancies.
2. Ravina Madhulitha N, Sudheer Kumar K, Chiranjeevi P, Umamaheswari A. Design of novel inhibitors for RmlB of *Mycobacterium tuberculosis*.

Three Days International Conference on Advances in Drugs Discovery Against Resistant Diseases organized by Raghavendra Institute of Pharmaceutical Education and Research (RIPER), Anantapur during 31st October-2nd November 2019.

1. Srinivasa R Vulichi, Sudheer Kumar K, Rupak K, Haswika G, Lakshmi S, Ramu C and Umamaheswari A. Structure based computational screening of small molecule inhibitors against sphingosine-1-phosphate lyase for targeting multiple sclerosis.

International Conference on Applications of Biotechnology and Nanotechnology (ICBN 2019) organized by B. S. Abdur Rahman Crescent Institute of Science and Technology in association with University of Missouri, USA during 30th September -1st October 2019.

2. Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Umamaheswari A. Potent inhibitor

design against UDP-N-acetyl muramic acid:L-alanine ligase of peptidoglycan biosynthesis.

3. Bhuvaneswari P., Sudheer Kumar K., Chiranjeevi P., Ravina Madhulitha N. and Umamaheswari A. E-Pharmacophore based novel inhibitor design against RET.

International Conference at Albany 2019: The 20th Conversation organised by Departments of Chemistry and Biological Sciences, State University of New York, Albany during 11-15 June 2019.

1. Ravina Madhulitha N, Sudheer Kumar K, Chiranjeevi P, SivaRanjani P and Umamaheswari A. Identification of potential inhibitors for AroG against *Mycobacterium tuberculosis*.
2. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander and Umamaheswari A. Integration of binding potency estimations and stability assessments for therapeutic design against MurG of *H. pylori*.
3. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Umakanth Naik V and Umamaheswari A. Potent MMP-14 antagonist design through screening, docking and dynamics studies.
4. Hema K, Sandeep S, Pradeep N, Umamaheswari A. In silico identification of leads targeting Interleukin-6 against pathogenesis of atherosclerosis was presented and published in the International Conference of Albany 2019.
5. Pradeep N, Sudheer Kumar K, Umamaheswari A, Munikumar M, Sandeep S, Hema K, Praveen Kumar G, Mukesh Kumar G. Scaffold hopping strategy on the route discerning novel Glutathione peroxidase agonists was presented and published in the International Conference of Albany 2019.

National

8th National seminar on Bioinformatics organized by Department of Bioinformatics, SVIMS University, Tirupati during 22-23 February 2019.

1. Sharon Priya Alexander, Chandra Sekhar Reddy C, Sudheer Kumar K, Siva Ranjani P, Chiranjeevi P,

Ravina Madhulitha N, Umakanth Naik V, Umamaheswari A. Identification of novel therapeutic targets of human breast cancer using gene expression analysis.

2. Siva Ranjani P, Ravina Madhulitha N, Sudheer Kumar K, Chiranjeevi P, Sharon Priya Alexander, Umakanth Naik V, Umamaheswari A. Design of novel inhibitors against HtrA2 of *Homo sapiens* through virtual screening, docking and molecular dynamics simulations.
3. Rishi Gowtham R., Sudheer Kumar K., Umamaheswari A and Usha Kalawat. A novel approach of molecular docking simulations (MDS) in the pursuit of inhibitors against dengue virus.
4. Srinivasa R.V., Sudheer Kumar K., Chiranjeevi P., Kapur S., Venkata Rao and Umamaheswari A. Pharmacophore modelling, docking and molecular dynamic simulations of some hypothetical *in silico* designed thiazolidine-2,4-dione derivatives against peroxisome proliferator activated receptor-gamma (PPAR- α).
5. Prachi Parvatikar P, Shivkumar Madagi B, Sudheer Kumar K, **Umamaheswari A**. Identification of effectual inhibitors against human TG2 through multiple docking strategies, molecular dynamics simulations and in vitro assay.
6. Sri Harsha S., Parvathi Priyanka P., Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander., Umakanth Naik V., SivaRanjani P., Bhuvaneswari P and Umamaheswari A. Identification of novel potential inhibitors against homoserine dehydrogenase of *H. pylori* through screening, docking, molecular dynamics and ROC metrics.
7. Swapna D., Sudheer Kumar K., **Umamaheswari A** and Rajitha G. Synthesis molecular docking studies and biological evaluation of thiazolidine-2,4-dione based quinazolinone derivatives for antidiabetic and antiinflammatory activities.
8. Bhuvaneswari P, Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Sharon Priya Alexander, SivaRanjani P, Umakanth Naik V, Sri Harsha S and Umamaheswari A. Design of novel antagonists against FabZ of *Streptococcus pneumoniae* through

virtual screening and docking studies.

9. Veena K, Divya LS, Chinna Pullaiah P, Chiranjeevi P, Ravina Madhulitha N, Sudheer Kumar K and Umamaheswari A. Structural insights of methoxy mycolic acid synthase of *M. tuberculosis* for structure based-drug design.
10. Divya LS, Veena K, Chinna Pullaiah P, Chiranjeevi P, Ravina Madhulitha N, Sudheer Kumar K, Umamaheswari A. *In silico* structural development and validations of CrtB of *Mycobacterium tuberculosis*.
11. Chinna Pullaiah P, Veena K, Divya LS, Chiranjeevi P, Ravina Madhulitha N, Umakanth Naik V, Umamaheswari A. Model development for inhibitor identification against putative isocitrate lyase subunitA of *Mycobacterium tuberculosis*.

4.7 Publications

1. Ravina Madhulitha N., Chiranjeevi P., Sudheer Kumar K and Umamaheswari A (2019) Discovery of common putative drug targets and vaccine candidates for *Mycobacterium tuberculosis*. Journal of Drug Delivery and Therapeutics.; 9(2-s): 67-71.
2. Sivaranjani P., Umakanth Naik V., Ravina Madhulitha N., Sudheer Kumar K., Chiranjeevi P., Sharon priya Alexander and Umamaheswari A (2019) Design of Novel Antimycobacterial Molecule Targeting Shikimate Pathway of *M. tuberculosis*. Indian Journal of Pharmaceutical Sciences.; 81(3): 438-47.
3. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Aparna R. Bitla and Umamaheswari A (2019) Hierarchical-clustering, scaffold-mining exercises and dynamics simulations for effectual inhibitors against Lipid-A biosynthesis of *Helicobacter pylori*. Cellular and Molecular Bioengineering.; 12(3):255-74.
4. Hema K., Sandeep S., Pradeep N and Umamaheswari A (2019) *In silico* identification of leads targeting Interleukin-6 against pathogenesis of atherosclerosis. Journal of Biomolecular Structure and Dynamics.; 37(supplement 1): 32-33.
5. Pradeep N., Sudheer Kumar K., Umamaheswari A., Munikumar M., Sandeep S., Hema K., Praveen Kumar G and Mukesh Kumar G (2019) Scaffold hopping strategy on the route discerning novel Glutathione peroxidase agonists. Journal of Biomolecular Structure and Dynamics.; 37(supplement 1): 42-43.
6. Ravina Madhulitha N., Sudheer Kumar K., Chiranjeevi P., SivaRanjani P and Umamaheswari A (2019) Identification of potential inhibitors for AroG against *Mycobacterium tuberculosis*. Journal of Biomolecular Structure and Dynamics.; 37(supplement 1): 29-30.
7. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander and Umamaheswari A (2019) Integration of binding potency estimations and stability assessments for therapeutic design against MurG of *H. pylori*. Journal of Biomolecular Structure and Dynamics.; 37(supplement 1): 34-35.
8. Sudheer Kumar K., Chiranjeevi P., Ravina Madhulitha N., Umakanth Naik V and Umamaheswari A (2019) Potent MMP-14 antagonist design through screening, docking and dynamics studies. Journal of Biomolecular Structure and Dynamics.; 37(supplement 1): 40-42.
9. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Aparna R. Bitla and Umamaheswari A (2019) *In silico* probing exercises, bioactive-conformational and dynamic simulations strategies for designing and promoting selective therapeutics against *Helicobacter pylori* strains. Journal of Molecular Graphics and Modeling.; 92: 167-179.
10. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Aparna R. Bitla and Umamaheswari A (2019) Integration of core hopping, quantum-mechanics, molecular mechanics coupled binding-energy estimations and dynamic simulations for fragment-based novel therapeutic scaffolds against *Helicobacter pylori* strains. Computational Biology and Chemistry.; 83: 107126.
11. Reena G., Rashi V., Pradhan D., Arun Kumar J., Umamaheswari A and Chandra Sekhar R (2019) An *in silico* approach towards identification of Novel Drug Targets in Pathogenic Species of *Leptospira*. PLOS one. 14(8): e0221446.

12. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Umakanth Naik V, Sharon Priya A, Siva Ranjani P, Aparna R. Bitla and Umamaheswari A (2019) Pathophysiology of MMPs in breast cancer progression. Journal of Clinical and Scientific Research, 8(3): 145-150.

Paper under Review

1. Sriharsha S, Sudheer Kumar K, Chiranjeevi P, Umamaheswari A. Novel and potent inhibitors for dihydropteroate synthase of *Helicobacter pylori*. Journal of Receptors and Signal Transduction.

4.8 Seminar conducted by the Dept.

8th National Seminar on Bioinformatics was conducted by the Department of Bioinformatics during 22-23 February 2019.

4.9 CME attended:

Dr A. Umamaheswari, Ms. N. Ravina Madhulitha, Ms.

Sharon Priya Alexander attended CME on Antimicrobial Stewardship on 28th September, 2019 organized by Department of Microbiology, SVIMS.

4.10 Other academic activities of significance

1. Dr C. Chandra Sekhar Reddy, Computational Scientist, University of Cambridge has delivered guest lectures, workshop and hands sessions on NGS (Next Generation Sequencing) was organized by Department of Bioinformatics, SVIMS during 21-23 August 2019.
2. Ms. Bhuvaneswari DBT Traineeship work completed: E-Pharmacophore based novel inhibitor design against RET.
3. Ms. L.S. Divya DBT Studentship work completed: Inhibitor design for Tenscin-C through virtual screening.
4. Ms. K. Veena DBT Studentship work completed: Design of inhibitor for ALox-5 through virtual screening.

5.0 DEPARTMENT OF BIOTECHNOLOGY

Associate Professor & Head

Dr P.V.G.K. Sarma

Teaching Assistant

Mrs E.L. Samundeswari

Ph. D Research Scholars

Mr S. Subbarayudu
Ms K. Surekha

Ms G. Deepika
Mrs E.L. Samundeswari

Mrs K. Sireesha

5.1. Awards, Achievements and felicitations.

1. Dr P.V.G.K. Sarma was awarded with “**certificate of excellence in reviewing**” by Biochemistry and Biophysics Reports journal an Elsevier group of publications for the year 2019.
2. Dr. Subhashini and Dr. Kamalakara Reddy **Endowment Award** for the Best Case Report published in the year 2018 is given to paper titled: Bodapati Chandramouliswara Prasad, Venkata Ramesh Chandra Vemula, Agarwal Sudarsan, Paspuleti Santhosh Kumar, Potukuchi Venkata Gurunadha Krishna Sarma. “Clinical characteristics and NF1 gene mutation of three successive generation in three different families with neurofibromatosis type 1 and peripheral nerve sheath tumours”. J Clin Neurosci. 2018;53:62-68.

5.2. Research projects

Research projects completed

1. **Principal Investigator:** Mr. P. Santhosh Kumar, **Title:** *In vitro* differentiation and characterization of cultured human CD34 positive stem cells into hepatocytes, erythrocytes and platelets. **Funding agency:** SBAVP, SVIMS.

5.3 Research work

Thesis work

Ongoing PhD Thesis work

1. Subbarayudu S. Characterization of molecular interactions of 4-methoxy 1-methyl 2-oxopyridine 3-carbamide (MMOXC) with specified targets and evaluation of its anti *Staphylococcus aureus* and anti-biofilm activities (PhD).

2. Deepika G. Molecular characterization of proteases in *Staphylococcus aureus* ATCC 12600 showing anti-biofilm properties (PhD).
3. Surekha K. *In vitro* generation of mesangial cells from human hematopoietic stem cells (PhD).
4. Sireesha K. *In vitro* generation of keratinocytes from human hematopoietic stem cells (PhD).
5. Samundeswari E.L. *In vitro* generation of chondrocytes from human hematopoietic stem cells (PhD).

Dissertation Work

Dissertation Submitted

1. Aashritha S. Effect of *Costus igneus* and *Allium sativum* extracts on Human β cells and Breast cancer cell lines (MSc). Sri Venkateswara Institute of Medical Sciences; Tirupati 2019:
2. Amogha T. Determination of UMPK Kinase activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Chittemma K. Determination of Sugar isomerase activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Shaik Hamad Sharif. Effect of Vitamin D3 and curcumin on breast cancer celllines and human hematopoietic stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. Kanaka Sairam P. Effect of human recombinant TNF- α on MCF-7 Breast cancer celllines in *in-vitro* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

6. KVNS Krishna Vardhani. Identification and analysis of Hypoxia inducible factor 2 α (HIF-2 α) gene mutations in congenital erythrocytosis patients (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. Lokesh P. Identification and characterization of CD34+ stem cells with OCT-4 gene expression studies (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
8. Manemma N. Identification of Glutamine synthetase activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
9. Mounika A. Determination of Acetate Kinase (ackA) activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
10. Parvathi M. Identification and characterization of CD34+ stem cells with SOX-2 gene expression studies (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
11. Prasanthi C. Identification and Characterisation of Glioblastoma stem like cells in GBM samples (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
12. Pusphpalatha E. Identification and Characterisation of Von Hippel Lindau (VHL) gene mutation in congenital erythrocytosis patients (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
13. Surya K. Effect of human recombinant TNF- α on BCL-2 on MCF-7 Breast cancer cells in *in-vitro* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
14. Swetha M. Genetic analysis of Erythropoietin receptor (EPOR) gene in patients with congenital erythrocytosis (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
15. Vishnu Sai G. Determination of Protein tyrosine phosphatase activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Thesis work done in collaboration with other departments

Thesis Submitted

Dr. PVGK. Sarma, was Co-guide for the following thesis

1. Rakesh Reddy R. A study on association of CYP2C9 polymorphisms with phenytoin toxicity (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Sunnesh. To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Ram Prahladha K.M. To evaluate the role of circulating human DNA for accessing tumor response to chemotherapy in triple negative Breast carcinoma (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. Dharani Prasad G. The influence of G472A Polymorphism of membrane bound Catechol-O Methyltransferase gene on chronic persistent surgical pain in patients undergoing open heart surgeries with median sternotomy (PhD).

5.4 Conferences attended, lectures delivered

International and National

Dr PVGK Sarma, attended the following

1. CME and delivered lecture on "Urine Molecular Biology" organized by Department of Pathology, SVIMS, Tirupati.
2. National workshop on Teacher training programme and delivered guest lecture on "Applications of Human haematopoietic stem cells in the regenerative medicine" at UGC Academic staff college, SV University, Tirupati on 16th December 2019.

5.5 Presentations by postgraduate students

1. Santhosh Kumar P, Chandrasekhar C, Sarma PVGK. Down-regulation of SOX17, GATA4 and FoxA2 promotes differentiation potential of hepatocytes from human hematopoietic stem cells. Cell Symposia: Gene- and Cell-Based Therapies:

CRISPR, Stem Cells, and Beyond at San Francisco, CA, USA during 2-4 March 2019.

2. Surekha K, Sarma PVGK. Elevated expression of INS, GLUT2 and Glk genes in differentiated α -cells from human CD34+ stem cells treated with *Costus igneus* leaf and *Allium sativum* clove extracts. AMRUTA 2019 - National Seminar on Pragmatic Ayurvedic Approach in the management of Chronic Aliments.

5.6 Publications

Chapters written in various books

1. Kumar PS, Chandrasekhar C, Srikanth L, Sunitha MM, Sarma PVGK (2019). “*In vitro* differentiation and characterization of Human hematopoietic CD34+ stem cells into Erythrocytes”. Chapter written in the book Stem cells of Origins of cytokine interactions, edited by Prasad S Koka, Nova Medicine and Health, New York.
2. Chandrasekhar C, Kumar PS, Kumar MS, Sarma PVGK (2019). “A Retrospective Study of JAK-2 Mutations, Endogenous Erythroid Colony Formation Assay in Absolute Erythrocytosis Patients in a Tertiary Care Centre, South India”. Chapter written in the book Stem cells of Origins of cytokine interactions, edited by Prasad S Koka, Nova Medicine and Health, New York.
3. Kannan T, Sunitha MM, Srikanth L, Santhosh Kumar P, Chandrasekhar C, Sarma PVGK (2019). *In vitro* proliferation of human haematopoietic stem cells by *Andrographis paniculata* (Burm.f.) Nees extracts. Chapter written in the book Stem cells of Origins of cytokine interactions, edited by Prasad S Koka, Nova Medicine and Health, New York.
4. Srikanth, L, Sarma PVGK (2019). Gold nanoparticles in the use of cancer therapy. Chapter written in the book “Emerging Trends in Nanotechnology: Innovations, Health and Risks”, edited by S. Janardana Reddy (Accepted).

Books

1. P.V.G.K. Sarma “A practical text book of Genetic Engineering in Bacteria” (2019) MJP publishers (Accepted).

Indexed Journals

1. Chandrasekhar C, Kumar PS, Sarma PVGK. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in chronic myeloid leukemia patients. Sci Rep (Nature publishing group) 2019;9(1):2412.
2. Srikar A, Ramana BV, Mohan Alladi, Sarma PVGK, Gohain N, Prakash P, Chaudhary A. Comparison of three extraction methods for isolation of *M. tuberculosis* DNA for Genotypic studies and efficacy of heat killing after boiling. Int. J Sci Res 2019;8(6):59-61.
3. Dharaniprasad G, Srikanth L, Ballweg R, PVGK Sarma, Indrakumar S, Samantaray A. The journey of Physician Assistant’s in India: specialty areas to primary care. J Physician Assist Educ 2019;30(3):184-7.
4. Dharaniprasad G, Srikanth L, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK. Novel Arg128Ala variant in Catechol-O-methyltransferase gene influence persistent pain. Clinical Genetics 2019; Oct 24. doi: 10.1111/cge.13650.
5. Samundeshwari EL, Srikanth L, Sireesha K, Surekha K, Chandrasekhar C, Rao MH, Vengamma B, Sarma PVGK. Identified cancer stem cells (CSCs) in ex- vivo cultured Acute Lymphoid Leukemia (B-ALL) cells. Journal of Stem cells 2019; 14(2):55-63.
6. Kumar PS, Chandrasekhar C, Srikanth L, Sarma PVGK. Down-regulation of SOX17, GATA4 and FoxA2 promotes differentiation potential of hepatocytes from human hematopoietic stem cells. Tissue and Cell. 2019 (Accepted).

5.7 Other academic activities

Dr. PVGK. Sarma submitted the following Gen Bank submissions to NCBI.

1. Homo sapiens isolate hetero mutant3 catechol-O-methyltransferase (COMT) gene, exon 4 and partial cds. Accession numbers: MK509854... total of 110 sequences were deposited.
2. Homo sapiens isolate (mutant P12) erythropoietin receptor (EPOR) gene, exon 8 and partial cds. Accession numbers: MN183108 to MN183126 total of 19 sequences were deposited

6.0 DEPARTMENT OF CARDIOLOGY

Senior Professor & Head

Dr D. Rajasekhar

Faculty

Dr V. Vanajakshamma
Dr Palem Sumanth Reddy

Dr Suresh Babu Tupakula
Dr M. Naga Narasimha Reddy

Dr S. Praveen Kumar Reddy

DM PG Senior Residents

Dr Nagaraja Reddy Challa
Dr M. Raja Naga Mahesh
Dr V. Ravindra Dev
Dr B. Raghuram

Dr Madhava Naidu Yandrapu
Dr Gajula Rampavan Kumar
Dr Chandrasekhar Reddy P
Dr Kollimarla Sriram

Dr Varunmitra V
Dr Kiran B
Dr P Venkata Harish

Research Scholar

P. Mounica Reddy

6.1 Awards, achievements and Felicitations

Dr D. Rajasekhar, Senior Professor & Head

1. Served as the President of Andhra Pradesh Chapter of Cardiological Society of India in 2019.
2. Served as National Vice President of the Indian College of Cardiology in 2019.
3. Received the **State Government Award** for Outstanding Service on Republic Day from District Collector at Chittoor on 26th January 2019.
4. Completed 25 years of service as faculty at SVIMS on 31st January 2019.
5. Delivered the Presidential Oration. He spoke on “Current status of PFO Closure” at the APCS Conference on 24th August 2019.

Dr V. Vanajakshamma, Professor

1. Felicitated by Women Development Forum, Tirupati on the occasion of Independence day Celebrations at SGS School, Tirupati on 15th August 2019.
2. **Won 2nd Prize** in Yogasanas at International Yoga day celebrations at Rastriya Sanskrit Vidyapeeth University, Tirupati on 21st June 2019.

Dr B. Raghuram, Senior Resident was awarded

1. **Third prize** for oral paper presentation in APCS-2019 for his paper on “Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease” at Rajahmundry during 24-25 August 2019.
2. **Third prize** for E-Poster presentation in CSI-2019 for his poster on “Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease” at New Delhi during 5-8 December 2019.

6.2 Research Projects

Research Projects completed

1. **Principal Investigator:** Dr D. Rajasekhar. **Title:** A randomized, double-blind, placebo-controlled, event driven trial of quarterly subcutaneous canakinumab in the prevention of recurrent cardiovascular events among stable post-myocardial infarction patients with elevated hsCRP. [Multicentre trial — Novartis Healthcare India Pvt Ltd].
2. **Principal Investigator:** Dr D. Rajasekhar. **Title:** Global Anticoagulant Registry In the FIELD (GARFIELD): Prospective, multicentre, international Registry of male and female patients newly diagnosed with atrial fibrillation. [Multicentre trial – Thrombosis Research Institute, London].

3. **Principal Investigator:** Suresh babu T. **Title:** Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease.
4. **Principal Investigator:** Sumanth Reddy P. **Title:** Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis.
5. **Principal Investigator:** Praveen Kumar Reddy S. **Title:** Right ventricular strain, strain rate and pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis.
6. **Principal Investigator:** Naganarasimha Reddy M. **Title:** Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months.

Ongoing research projects

Dr D. Rajasekhar as principle investigator

1. **Title:** SVIMS has enrolled as a sub centre under the nodal centre JIPMER in the National Heart Failure Registry of ICMR.
2. **Title:** The Impact of Heart Failure on Household Economic Well-Being – SVIMS has enrolled as a sub centre for the ICMR.

Dr. V. Vanajakshamma as principle investigator

1. **Title:** Assessment of impact of health education program through lifestyle modification intervention among the employees of SVIMS hospital. Duration: 2018-2019.
2. **Title:** Effect of 'Heartfulness' meditation practices in hypertensive patients. **Funding Agency:** SBAVP, SVIMS. Total Grant: Rs. 7,79,120. Year of beginning: 2019.
3. **Title:** Screening of employees of SVIMS hospital (a tertiary care hospital) aged >40 years for their

health status. **Funding Agency:** SBAVP, SVIMS. Total Grant: Rs. 23,39,460. Year of beginning: 2019.

6.3 Research Work

Thesis Submitted:

1. **Sreedhar Naik K.** Genetic polymorphism of LTA, BAT1 and NFKBIL1 genes in patients with myocardial infarction (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Sowjanya G.** Genetic polymorphism of Cytochrome P450 is associated with endothelial dysfunction in patients with coronary artery disease (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Suresh babu T.** Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. **Sumanth Reddy P.** Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. **Praveen Kumar Reddy S.** Right ventricular strain, strain rate and pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. **Naganarasimha Reddy M.** Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. **Raja Naga Mahesh M.** Effects of successful percutaneous transvenous mitral commissurotomy

- on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis (DM).
2. **Nagaraja Reddy Challa.** Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction (DM).
 3. **Raghuram B.** Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease (DM).
 4. **Ravindra Dev V.** Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy (DM).
 5. **Rampavan Kumar G.** Assessment of right ventricular strain and strain rate before and after ASD device closure (DM).
 6. **Chandrasekhar Reddy P.** Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy (DM).
 7. **Madhava Naidu Y.** Utility of global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction (DM).

Dissertation work

Dissertation submitted

1. **Dileepvardhan M.** Correlation of Outcomes after PCI with Stent Boost: A one month follow up study at SVIMS- a territory care centre (MSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Shifa Khanam PM.** Demographic, Clinical and Etiological patterns of Acute Decompensated Heart failure patients admitted to Cardiology, SVIMS, a territory care centre: A prospective Study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Anvesh Sai T.** Demographic, Clinical and Complication patterns of patients attending

Prosthetic valve clinic at SVIMS, a territory care centre: A Cross-Sectional study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

4. **Thripoorna P.** Analysis of exercise electrocardiographic test reports at SVIMS, a territory care centre: A Retrospective Study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. **Padmapriya C.** Demographic, Clinical and Treatment patterns of hypertensive patients attending Hypertension Clinic at SVIMS, a territory care centre: A Cross-Sectional Study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. **Prathima K.** Demographic, Clinical and Echocardiographic patterns of Rheumatic Heart Disease patients attending at SVIMS, a tertiary care centre: A- Retrospective Study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. **Nitya S.** Analysis of Holter recordings at SVIMS a territory care centre: A Retrospective Study (BSc CVT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing dissertation work

1. Chandana V. Experience of operator and fluoroscopy time in angioplasty senior / junior - first posting/ last posting (MSc CVT).
2. Navya Sai M. Assessment of biological age and its correlation with chronological age in employees of SVIMS hospital (BSc CVT).
3. Sireesha G. Demographic, Clinical profile and outcomes in patients who underwent TEE (BSc CVT).
4. Tejavathi D. Assessment of Anxiety, depression and stress patients with Heart failure – A Questionnaire based study (BSc CVT).
5. Thejaswi P. Localization of culprit coronary artery by ECG and its correlation with coronary angiography in patients with STEMI — > A Prospective Study (BSc CVT).

6. Usha S. Analysis of Demographic, Clinical profile and outcomes in patients who underwent PDA Device Closure — > A- Retrospective Study (BSc CVT).
7. Venkatesh S. Analysis of Demographic, clinical profile and outcomes in patients who underwent Permanent Pacemaker Implantation (PPI) — > A Retrospective Study (BSc CVT).

Thesis work done collaboration with other depts.

Dr V. Vanajakshamma, Professor as Co-guide

Dissertation submitted

1. **Allabaksh**. Arterial stiffness in non-hypertensive type 2 diabetes patients (MSc Physiology). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Annaiah E**. Pulmonary hypertension in patients of end stage renal disease on chronic peritoneal dialysis (MSc Physiology). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

3. **Vijaya Chandra Reddy K**. Effect of Heartfulness Meditation Practices on endothelial function and inflammation in patients with coronary artery disease (PhD).
4. **Poojitha K**. Effect of Heartfulness Meditation Practices on Biomarkers of stress in young healthy female students (PhD).
5. **Haripriya M**. Effect of Heartfulness Meditation Practices on Oxidative stress markers in patients with coronary artery disease (PhD)
6. **Kishore Naik D**. Morphological, Morphometrical and histological studies in heart valves and coronary vessels of male wistar rats by inducing fatty diet evaluating the effects of statins and niacin on HMG CO-A reductase enzyme (PhD).

6.4 Conferences attended, lectures delivered

Dr D. Rajasekhar, attended the following

International

1. Trans Catheter Cardiovascular Therapeutics 2019 conference at San Francisco as “Associate Faculty” during 25-29 September 2019.

National

As Faculty

1. Chaired a scientific session on “ACC - Annual India Cardiovascular Symposium” at New Delhi during 19-20 January 2019.
2. Chaired a session in India Live Annual conference and symposium organised at Mumbai during 1-2 March 2019.
3. Chaired a session on “Complex high risk Intervention 2019” organised at Hyderabad during 12-13 January 2019.
4. Delivered a lecture on “Management of Coronary Perforation” in the mid term national intervention council meeting held at Lucknow during 5-7 April 2019.
5. Chaired a Scientific session on “A Imaging and Physiology summit” at Hyderabad during 20-21 April 2019.
6. 5th Annual Conference of Andhra Pradesh chapter of Cardiological society of India held at Rajamahendravaram and delivered a lecture on “Current status of PFO closure” during 24-25 August 2019.
7. National conference of Indian College of cardiology organised and delivered a talk on “Current status of Streptokinase in Acute MI management” at Kochi during 20-22 September 2019.
8. Delivered a talk on “IVUS in stent failure%” in the Coronary Imaging and physiology meet at Thiruvananthapuram during 19-20 October 2019.
9. 2nd national meeting and chaired a scientific session on imaging and physiology organised at Chennai during 9-10 August 2019.
10. CME/Workshop on advanced heart, lung diseases management and Transplantation at SVIMS during 25-27 February 2019.
11. CME on Medical Research at SVIMS on 24th February 2019.

Dr V. Vanajakshamma, attended the following

1. Fellowship of Indian Society of Cardiology (FISC) at annual conference at SRMIST, Chennai by Indian Society of Cardiology (ISC) on 27th September 2019.
2. Fellowship of Cardiological Society of India (FCSI) at annual conference at New Delhi by Cardiological Society of India (CSI) on 6th December 2019.
3. A delegate attended World's First Symposium on Role of Meditation in Prevention and Treatment of Cardiovascular Diseases at AIIMS, Rishikesh during 9-10 March 2019.
4. As a delegate attended Women, Work wellness CME organized by IWN and delivered a talk on "Mental Health" at Tirupati on 6th July 2019.
5. As a delegate attended International Conference on Elevating Consciousness through Meditation for Global Harmony at IIM, Bangalore during 1-3 August 2019.
6. As a Speaker, attended and delivered a talk on "ECG & Echo for Chest Physician" at National conference of Chest Physicians at Tirupati on 4th August 2019.
7. As a Speaker and delivered a talk on "Yoga and Cardiovascular health" at annual conference of APCSI at Rajahmundry during 24-25 August 2019.
8. As a delegate attended "Inner Technology Conference" at Mount Abu during 6-9 September 2019.
9. As a Speaker, attended and delivered a talk on "Yoga & Heart" at annual conference of Indian Society of Cardiology ISCCON-2019 at Chennai during 27-29 September 2019.
10. As a Speaker, attended and delivered a talk on "Prevention of CVD – it must start in Childhood" at annual conference of Preventive CSI at Guwahati during 18-20 October 2019.
11. As a delegate attended National CSICON-2019 at New Delhi during 5-8 December 2019.

Dr P. Sumanth Reddy, Dr S. Praveen Kumar Reddy, Dr M. Naga Narasimha Reddy, Dr T. Suresh Babu, Dr V. Ravindra Dev, attended

MMM Clinical Cardiology update at Chennai during 11-13 January 2019.

Dr C. Narendra, Dr D. Sreenivasa Reddy, attended Complex High risk Intervention Procedure meet at Hyderabad during 12-13 January 2019.

Dr Ch. Narendra, Dr N. Vinod Kumar, attended ACC-India Cardiovascular Symposiums at New Delhi during 19-20 January 2019.

Dr Ch. Narendra, Dr D. Sreenivasa Reddy, attended 14th Transradial intervention course at Ahmadabad during 1-2 February 2019.

Dr Ch. Narendra, Dr D. Sreenivasa Reddy, Dr N. Vinod kumar, Dr K. Kiran kumar, Dr P. Sumanth Reddy, Dr S. Praveen Kumar Reddy, Dr M. Naga Narasimha Reddy, Dr T. Suresh babu, attended CME on Medical Research at SVIMS from 24th February 2019.

Dr Ch. Narendra, Dr D. Sreenivasa Reddy, Dr N. Vinod Kumar, Dr K. Kiran Kumar, Dr P. Sumanth Reddy, Dr S. Praveen Kumar Reddy, Dr M. Naga Narasimha Reddy, Dr T. Suresh babu, attended CME/Workshop on advanced heart, lung diseases management and Transplantation at SVIMS during 25-27 February 2019.

Dr D. Sreenivasa Reddy, Dr K. Kiran Kumar, Assistant Professor, attended India Live-2019 at New Delhi during 28th February – 3rd March 2019.

Dr C. Nagaraja Reddy, Dr V. Ravindra Dev, attended APCSI PG Track at Visakapatnam during 23-24 March 2019.

Dr N. Vinod kumar, Dr K. Kiran Kumar, attended National Interventional Council of CSI-2019 at Lucknow during 5-7 April 2019.

Dr D. Sreenivasa Reddy, Dr N. Vinod Kumar, attended Imaging conclave at Hyderabad during 20-21 April 2019.

Dr N. Vinod Kumar, Dr K. Kiran Kumar, attended Hyderabad Live-2019 at Hyderabad during 13-14 June 2019.

Dr D. Sreenivasa Reddy, attended Coronary Imaging and physiology Conference at Chennai during 9-10 August 2019.

Dr S. Praveen Kumar Reddy, Dr B. Raghuram, Dr C. Nagaraja Reddy, Dr V. Ravindra Dev, Dr M. Raja Nagamahesh, attended 5th Annual Conference of Andhra Pradesh Chapter of Cardiological Society of India at Rajamahendravaram during 24-25 August 2019.

Dr T. Suresh babu, attended SCAI India meet at Mumbai during 13-14 September 2019.

Dr P. Sumanth Reddy, Dr. B. Raghuram, Dr. C. Nagaraja Reddy, Dr. M. Raja Nagamahesh, attended 26th Annual Conference of Indian College of Cardiology at Kochi during 20-22 September 2019.

Dr M. Naga Narasimha Reddy, attended 3rd Annual Conference of Imaging and Physiology at Thiruvananthapuram during 19-20 October 2019.

Dr B. Raghuram, Dr C. Nagaraja Reddy, Dr V. Ravindra Dev, Dr M. Raja Nagamahesh, attended Face the Examiner at Hyderabad during 15-16 November 2019.

Dr S. Praveen Kumar Reddy, Dr B. Raghuram, Dr C. Nagaraja Reddy, Dr V. Ravindra Dev, Dr M. Raja Nagamahesh, attended 71st Annual Conference of Cardiological Society of India at New Delhi during 5-8 December 2019.

6.5 Presentations by Postgraduate students:

Postgraduate students pursuing DM (Cardiology) presented the following papers / posters at:

APCSI-2019 held at Rajahmundry during 24-25 August 2019

1. Raja Naga Mahesh M. Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis and poster on Successful management of coronary artery perforation with covered stent during coronary artery intervention.
2. Nagaraja Reddy Challa. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction.

3. Raghuram B. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease.
4. Ravindra Dev V. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy.

ICCCON-2019 at Kochi during 20-22 September 2019

1. Raja Naga Mahesh M. Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis.
2. Nagaraja Reddy Challa. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction.
3. Raghuram B. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease.
4. Ravindra Dev V. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy.
5. Raja Naga Mahesh M. Successful management of coronary artery perforation with covered stent during coronary artery intervention.
6. Raghuram B. Subclavian coronary steal syndrome.

CSI-2019 at New Delhi during 5-8 December 2019

1. Raja Naga Mahesh M. Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis.
2. Nagaraja Reddy Challa. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction.
3. Raghuram B. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease.

4. Ravindra Dev V. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy.

6.6 Publications

Original articles (Published):

1. Battula S, Satyanarayana V, Rajasekhar D, Reddy AK, Satri V. Clinical presentation and outcome in patients presenting with acute coronary syndrome – A prospective study. *J Clin Sci Res* 2019;8:67-73.
2. Sumanth P, Rajasekhar D, Vanajakshamma V, Kiran K, Nagaraja C. Effect of percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracking echocardiography in rheumatic severe mitral stenosis, *IOSR-JDMS* 2019;18:4-14.
3. Vinod Kumar N, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K. A Comparative Study of Clinical Profile and Outcomes of Patients with Ischemic and Non-Ischemic Complete Heart Block, *IJSR* 2019;8:55-9.
4. Kondapaka Kiran Kumar, Durgaprasad Rajasekhar D, Velam Vanajakshamma, Palem Sumanth Reddy. Is CHA2DS2-VASc Score Useful in Predicting Atherosclerosis Burden?. *IOSR Journals* 2019;18:59-63.
5. Vinod Kumar N, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K, Suresh T. Correlation of Clinical Risk Scores with Angiographic Extent of Coronary Artery Disease in Patients with Non ST-Elevation Myocardial Infarction/Unstable Angina and Their Effects on 6 Month Outcomes. *IOSR Journal*;18:55-9.
6. Prasanth Manda, P.V.L.N. Srinivasa Rao, Aparna R Bitla, Kiranmayi Vinapamula, L Jeyaseelan, D. Rajasekhar, Sivakumar Vishubhotla. Study of contrast-induced oxidative stress in non diabetic patients undergoing coronary angiography. *Saudi journal of kidney diseases and transplantation* 2019;30:45-52.
7. Fabien DORMAL, Jitendra Ps Sawhney, Veerappa A Kothiwale, Vikas Bisne, Rajasekhar Durgaprasad,

Praveen Jadhav, Manoj Chopda, Velam Vanajakshamma, Ramdhan Meena, Govindan Vijayaraghavan, Kamaldeep Chawla, Jagan Allu, Karen S Pieper, A John Camm, Ajay K Kakkar, Olivier Xhaet, GARFIELD-AF Investigators. Risk profiles and one-year outcomes of patients with newly diagnosed atrial fibrillation I India: Insights from the GARFIELD-AF-Registry. *Indian heart J* 2019;70:828.

Original articles (Accepted for Publication):

1. Vanajakshamma V, Vyshnavi K, Latheef K, SaiSateesh O, Seshagiri Rao D. Sildenafil citrate improves the hemodynamics in patients with Primary pulmonary hypertension – single center experience. *Indian Journal of Cardiology*.
2. Latheef K, Rajasekhar D, Vanajakshamma V. Novel single Nucleotide Mutations in Exon-10 of Human Coagulation Factor V gene in Patients with Pulmonary Thromboembolism. *J Cardiovasc Thorac Res*.

Review article:

1. Vanajakshamma V, Latheef K, Narendra Ch. Statins in Females. *Ind J Car Dis Wom* 2019;4(2):99-106.

Book Chapters:

1. Rajasekhar D, Harsha Vardhan EV, Comment on the Article: Tepel M, van der Giet M, Schwarzfeld C, Laufer U, Liermann D, Zidek W. Prevention of radiographic-contrast-agent-induced reductions in renal function by acetylcysteine. *N Engl J Med*. 2000; 343 (3): 180-4. Articles A Nephrologist should know, Editors: Dakshinamurthy KV, Siva Kumar V, Ram, Sangeetha Lakshmi B. First Edition 2019. Published by Roche products Pvt. Ltd.
2. Rajasekhar D, Vanajakshamma V, Kapil C. Comment on the Article: Foley RN, Parfrey PS, Sarnak MJ. Clinical Epidemiology of Cardiovascular Disease in Chronic Renal Disease. *Am J Kidney Dis*. 1988; 32 (5Suppl 3): S112-9. Articles A Nephrologist should know, Editors: Dakshinamurthy KV, Siva Kumar V, Ram, Sangeetha Lakshmi B. First Edition 2019. Published by Roche products Pvt. Ltd.

3. D. Rajasekhar, T. Suresh Babu, V. Vanajakshamma, ARNI role initiation and maintenance in Heart failure ICMR “Handbook on Heart failure for physicians” 2019. Editor Harikrishnan.

Special feature:

1. Reddy SP, Manual MB, Alekhya B, Swyritha G, Amarendra M, Naveen K, et al. A 57- years-old man with altered sensorium and renal failure. J Clin Sci res 2019;8:104-12.

Abstracts in indexed journals:

1. R.D. Vechalapu, R. Durgaprasad, V. Vanajakshamma, V.N. Kumar, N.N. Reddy, G.R. Pavan. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A Comparison of primary angioplasty and fibrinolytic therapy Indian Heart J 2019;71:S1-S29.
2. N.R. Challa, R. Durgaprasad. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction – Indian Heart J 2019;71:S30-S97.
3. R. Bollineni, R. Durgaprasad, V. Vanajakshamma, S.R. Doddapalli, S.B. Tupakula, C.S. Reddy. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease. Indian Heart J 2019; 71:S30-S97.

6.7 CMEs/Seminars/Workshops/Orations conducted by the department

CMEs:

A CME was organised on “Management of Dyslipidemia” at Sri Padmavathi Auditorium, SVIMS on 28th September 2019.

1. Dr V. Vanajakshamma, Professor of Cardiology, SVIMS spoke on “Role of life style in prevention of lipid disorders”.
2. Dr. P. Sumanth Reddy, Assistant Professor of Cardiology, SVIMS spoke on “LDL lowering therapies”.

3. Dr. M. Naganarasimha Reddy, Assistant Professor of Cardiology, SVIMS spoke on “Familial Hypercholesterolemia”.
4. Dr. S. Praveen Kumar Reddy, Assistant Professor of Cardiology, SVIMS spoke on “Lipoprotein (a) – Still a little character?”.
5. Dr. T. Suresh babu, Assistant Professor of Cardiology, SVIMS spoke on “Cholesterol management: Guidelines and relevance to Indian scenario”.

Organised a CME program on Cardiopulmonary Resuscitation (CPR) at Sri Padmavathi Auditorium, SVIMS, Tirupati on 23rd December 2019.

Work Shops:

1. EP+RFA were conducted with Dr. Yogesh Kothari at Apollo Hospitals, Bangalore during 16-17 March 2019.
2. ASD, VSD and PDA Device closures by the department, SVIMS, with Dr. Edwin Francis, Amrutha Institute of Medical Sciences, Kochi, Kerala during 25-26 April 2019.
3. EP+RFA was conducted on 22nd June 2019 with Dr. Yogesh Kothari, from Apollo Hospitals, Bangalore
4. CTO Angioplasty workshop was conducted with Dr. Surya Prakash Rao, from Apollo Hospitals, Hyderabad during 18-19 July 2019.
5. ASD, VSD and PDA Device closures was conducted by the department, SVIMS, with Dr. Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala during 21-22 August 2019.
6. EPS+RFA was conducted on 4th October 2019 with Dr. Yogesh Kothari, from Apollo Hospitals, Bangalore.
7. EPS+RFA was conducted on 17th November 2019 with Dr. Yogesh Kothari, from Apollo Hospitals, Bangalore.
8. ASD, VSD and PDA Device closures was conducted by the department, SVIMS, with Dr. Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala during 13-14 December 2019.

9. EPS+RFA was conducted on 21st December 2019 with Dr.Yogesh Kothari, from Apollo Hospitals, Bangalore.

DNB Cardiology Practical Exam:

1. DNB Cardiology Practical Exam was organised on behalf of NBE at SVIMS during 27-29 March 2019. 12 candidates appeared in exams.

Orations:

1. Eleventh Annual Cardiology Chair Gold medal oration was organised on 20th February 2019. Dr. C. Narasimhan, Senior Interventional Cardiologist, CARE Hospital, Hyderabad. He spoke on “Fundamental Aspects of Heart Failure: Cell to Bedside”.
2. Fourth Balaji Cardiology Endowment Oration was organised on 19th December 2019. Dr. V.K. Ajit Kumar, Senior Prof & Head, Dept. of Cardiology, SCTIMST, Thiruvananthapuram. He spoke on “Evolution of The Human Heart”.

Awariness programme:

1. On the occasion of World Heart Day a public awareness Program on various Heart diseases was organized by the Department of Cardiology in Padmavathi OP Block on 29th September 2019.

Visitors to the Department:

The following Cardiologists visited the Department during the year 2019

1. Dr C. Narasimhan, Senior Interventional Cardiologist, CARE Hospital, Hyderabad.
2. Dr Yogesh Kothari, Apollo Hospitals, Bangalore.
3. Dr Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala.
4. Dr Surya Prakash Rao, from Apollo Hospitals, Hyderabad.
5. Dr V.K. Ajit Kumar, Senior Prof & Head, Dept. of Cardiology, SCTIMST, Thiruvananthapuram.

6.8 Other academic activities

Dr D. Rajasekhhar, Served as

1. A member of Institutional Ethics Committee of SVIMS.
2. A member of the Research Committee of SVIMS.
3. a member of Governing council of Indian College of Cardiology.
4. Inspector for Medical council of India.
5. An Examiner for DNB cardiology on the NBE.
6. An Examiner for DM Cardiology at several universities.
7. Peer Reviewer for several National and International journals.
8. Abstract Reviewer for the European Society of Cardiology for ESC Annual Scientific Sessions in August 2019.
9. An Instructor for AHA-ITC at SVIMS.
10. Faculty for several National Cardiology Conferences.
11. Associate faculty of TCT 2019 organised by Cardiovascular Research Foundation.

Dr V. Vanajakshamma, attended as

1. Guest for Annual School day celebrations of Little Flowers School on 5th January 2019.
2. Guest at Govt. SC, ST & BC Girls Hostels on the occasion of National Girls day on 24th January 2019.
3. Guest at Nehru Municipal High School on the occasion of Republic day celebrations on 26th January 2019.
4. Guest at Little Flower School on the occasion of Republic day celebrations on 26th January 2019.
5. Officiated as MCI Inspector for Govt. Medical College, Chengalpattu, Tamilnadu on 1st February 2019.
6. Delivered a talk on “Women health” at All India Radio, Tirupati on 2nd March 2019.

7. As Guest at SVU for “Vidya Parirakshana Samiti Ugadi Puraskaaraalu” on 6th April 2019.
8. Officiated as MCI Inspector for Meenakshi Medical College, Kanchi, Tamilnadu on 24th April 2019.
9. Delivered a talk on “Heterogeneous learners” at an Orientation program conducted by Bharatiya Vidya Bhavan for their teachers on 12th June 2019.
10. Chief Guest for International Yoga day celebrations at SV Ayurvedic College and delivered a talk on “Yoga & Heart disease” on 21st June 2019.
11. Chief Guest for International Yoga day celebrations at Govt. Degree College for Women, Srikalahasthi on 21st June 2019.
12. Delivered a talk on “Health” at Govt. Degree College, Puttur on 17th July 2019.
13. Delivered a talk on Yoga & Meditation during Orientation program at SPMCW, during 6-8 August 2019.
14. Served as an Examiner for DM Cardiology at several universities.
15. Officiated as Member of Indian Women Network.
16. Delivered a talk on “Yoga & Meditation” during Orientation program at SV Medical College, Tirupati on 27th August 2019.
17. Conducted orientation classes at SVU-HRD, Tirupati on 21st Jan, 31st Jan, 28th Feb, 14th Mar, 16th Sep, 20th Sep, 25th Sep, 26th Sep & 24th Oct, 2019.
18. Chief Guest for Fresher’s Day celebrations held at Apollo Medical College & Research Centre, Chittoor on 23rd November 2019.
19. Officiated as Chief Warden for MBBS hostel of SPMCW, SVIMS.
20. Officiated as Chairperson, CPRA committee of SVIMS.
21. Conducted Meditation, Lifestyle & Life skills orientation classes at Intermediate Colleges and other places.
22. Conducted Inspire Teacher training program (Heart based teaching methodology) at six schools in Tirupati.
23. Initiated Heartfulness Meditation OPD services to reduce the anxiety & stress among the patients.
24. Guest at Govt. Girls Home, Tirupati on 14th Nov 2019 on the occasion of Children’s day celebrations.
25. Guest at Juvenile Home for Boys at Mangalam on the occasion of Children’s week celebrations on 17th November 2019.

7.0 DEPARTMENT OF CARDIOTHORACIC SURGERY

Professor & Head

Dr Abha Chandra

Faculty

Dr .K. Sudhakar Rao
Dr Sri Satyavathi

Dr Vinod Bhan
Dr Kiran Ganta

Dr Ravi Kumar Katti

Senior Resident

Dr. A B Naveen Kumar

Junior Resident

Dr. J. DivyaSree

7.1 Awards Achievements and Felicitations

Achievements

Dr Abha Chandra,

1. *Has been given Recognition for her peer reviews – past and present by the PUBLONS, Asian Cardiovascular and Thoracic Annals has given official recognition for the peer reviews she has performed in Publon journals in the past. They have found it to be of valuable contribution to research.*
2. *Department of Cardiovascular and Thoracic surgery, SVIMS and Defence Institute of Physiology and Allied sciences, New Delhi are in collaboration for a Research Project titled “Epidemiology and Pathophysiology of various high altitude induced Cardiopulmonary Diseases” Ref: letter No. Do/101/ DIPAS/2019, dated 13th August, 2019*

Membership

1. Life member of Indian Society of Thoracic Surgeons.

7.2 Research projects

Research projects completed

Dr Abha Chandra, is **Co-guide** for the following research Projects

1. **Principal Investigator:** Dharni Prasad G. **Title:** The influence of G472A Polymorphism of membrane bound Catechol-O Methyltransferase gene on

chronic persistent surgical pain in patients undergoing open heart surgeries with median sternotomy (PhD).

2. **Principal Investigator :** Sandhya G. **Title:** A study to formulate Maximum Surgical Blood order schedule at a tertiary care referral teaching Institute in Andhra Pradesh, South India (MD).

7.3 Research work

Thesis work collaboration with other department

Dr Abha Chandra, is **Co-guide** for the following thesis

Thesis submitted

1. Senthil Kumar. A study of early mobilization of the patients undergoing coronary artery bypass grafting (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Kavitha N. To study establish and affirm the exercise protocol and its correction to the INR (international Normalized ratio) and cardio – respiratory fitness in post surgical valve replacement individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Suresh Kumar M. The impact of TENS (Transcutaneous electrical Nerve stimulation) and graded exercise in individuals with subacute peripheral arterial disease in the lower Limb (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

7.4 Conferences and workshops attended, Lectures delivered

International Conference

1. **Prof. Abha Chandra** attended World Congress on Cardiac Imaging & Clinical Cardiology (WCCICC -2019) at Mumbai between February 22-24, 2019. She presented an invited lecture on **“Importance of Myocardial Perfusion study in patients with poor LVEF: Surgeon’s Perspective”** on 22nd February 2019.

National Conferences

Prof. Abha Chandra, attended the following

1. 4th National Conference Thoracic Endoscopy Society jointly with 1st National conference of Indian Society of Thoracic Surgeons and *presented an invited Guest Lecture on “Thoracic Hydatids”* and chaired a session on *Thoracic imaging and diaphragmatic, tracheal and oesophageal surgeries and session XIII on Tuberculosis – Pulmonologists Perspective* at Vivekananda Institute of Medical Sciences, Kolkata during 19-20 January 2019.
2. 27th ASCVTS & 65th IACTSCON 2019 and chaired a session on “Thoracic Surgery” at Chennai during 21-24 February 2019.
3. Master class in managing Thoracic disease workshop CME and coordinated a panel discussion on “Medical Thoracoscopy” at SUM hospital SOA, Bhubhaneswar, Odisha on 2nd March 2019.
4. Rayalaseema Interventional Pulmonology Update 2019 and was the guest of honour for the Continuing Medical education program and presented an invited lecture on Video assisted thoracoscopic surgery and Medical Thoracoscopy on 21st April 2019.
5. Cardiac Surgical skill course at Chittinad Medical College at Chennai and participated in the panel discussion on “Mitral Valve replacement” on 22nd June 2019.
6. Annual Conference of Andhra state Chapter of Respiratory Medicine Pulmonology and presented an invited lecture on “Medical Thoracoscopy in different clinical scenario” during 3-4 August 2019.
7. EVOLUTION 2019: EVL Master class South Chapter, 2nd Endovascular CME and presented an invited lecture on “Newer vascular and endovascular grafts” and chaired a session on open vs endovascular surgery at Visakhapatnam on 4th August 2019.
8. Annual meeting of the ATVSI 2019 and presented two invited lecture on “Aspergilloma: An Experience at a tertiary Care centre” and “Vascular armamentarium” and chaired a session on vascular surgery at Dr.K.N.Udupa Auditorium, IMS, BHU on 6th October 2019.
9. VSICON 2019 26th Annual conference of Vascular Society of India and Chaired a session on “Peripheral Arterial diseases and Management” at Hyderabad during 17-19 October 2019
10. Indian Association of Cardio Vascular – Thoracic Surgeons Thoracic CME and delivered a lecture on “Solitary Pulmonary nodule: A diagnostic dilemma” at Government Medical College, Jammu during 15-16 November 2019.
11. Continuing Education Programme (CEP) on “Pathophysiology of high attitude diseases” of DRDO and delivered a invited lecture on “Role of statins in Acute Mountain sickness” and discussed about Pulmonary arterial hypertension in congenital heart conditions at Defence Institute of Physiology & Allied Sciences, Delhi during 19 -21 November 2019.
12. 5th Amrita heart Conclave: Total endoscopic Mitral Valve Repair” and Chaired a session having 2 lectures on “the Journey of the Mitral Valve repair: What the Guidelines say and do they say enough” and the second lecture on Mitral valve regurgitation : Pre-operative Assessment” at Amrita Institute of Medical Sciences and Research Centre, Kochi during 14-15 December 2019.
13. 79th Annual Conference of Association of Surgeons of India (ASICON 2019) and presented an invited lecture on “Pulmonary Aspergilloma : an experience at a tertiary Hospital” and chaired the “N.L. Bordia oration 2019” and also chaired the session on video-assisted Thoracoscopic surgery from multiple ports to single port and the newer anticoagulant agents

in DVT at SOA University, Bhubhaneswar, Odisha during 18-21 December 2019.

Dr Vinod Bhan, attended the following

1. 27th ASCVTS & 65th IACTSCON 2019 at Chennai during 21-24 February 2019.
2. HFF conclave 2019 & 2nd conclave on advanced Heart Failure and Transplantation at Bengaluru during 6-7 July 2019.
3. EVOLUTION 2019, EVL Master class South chapter as Faculty and chaired session at Visakhapatnam on 4th August 2019.
4. 4th Annual conference of Society of Minimally invasive Cardio vascular and Thoracic Surgeons of India at Mumbai during 13-15 September 2019.

Dr Sri Satyavathi, attended Annual Conference of Pediatric Cardiac Society of India (PCSI) and presented poster on rare case report on MIXED Total Anomalous pulmonary Venous Connections TAPVC at Satyasai Sanjeevani hospitals, Atal Nagar during 11-13 October 2019.

Dr G.Kiran, attended Cardiovascular – Science of tissue Management (SOTM) “Anastomotic Challenges in Advanced Coronary Artery Disease –HOW I DO IT” at Hotel Fortune Murali Park on 21st December 2019.

Mr. Madhusudan Naidu, attended the Annual Conference of Indian Society of extracorporeal technology (ISECT CON 2019) at Chennai during 21-24 February 2019.

7.5 Publications

Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK. Association of G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post sternotomy pain. Gen Thorac Cardiovasc Surg 2019;67(9):806-10.

Under process:

1. Raja Sekhar D, Vinod Bhan, Suresh Babu. Congenital Gaint left atrial appendage aneurysm. Indian J Med Res.

Book chapter

1. Dr Abhachandra has contributed a Chapter on the “Surgery for pleuropulmonary Tuberculosis” for a book titled “Tuberculosis” 3rd edition published by Jaypee brothers, New Delhi. The Editor of the book is Prof. Sharma from the Department of Internal Medicine, All India Institute of Medical Sciences, and the Assistant Editor is Dr. Alladi Mohan, Assistant Professor from the Department of Emergency Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati, A.P.

7.6 Other Academic activities:

Dr Abha Chandra, attending the following

1. Vice President of the ATCVS section of the Association of Surgeons of India.
2. National Faculty for the Indian Association of Cardiovascular and Thoracic surgeons
3. National Faculty for Indian society of thoracic surgery
4. MCh (CVTS) Examiner at various Indian Universities.
5. DNB (CVTS) Examiner at various Indian Universities.
6. Member of the speciality Board Cardio thoracic surgery National Board of Examinations, New Delhi.
7. Advisor to the Union Public service commission.

8.0 DEPARTMENT OF COMMUNITY MEDICINE

Professor & Head

Dr K. Nagaraj

Faculty

Dr Anju Damu Ade
Dr D.S.Sujith Kumar

Dr Ravi Sankar Deekale
Dr G. Visweswara Rao

Dr V. Chandrasekhar
Dr T.V.D. Prathyusha

Bio-Statistician

Dr. N. Sulochana

Dr.B.Krishnaveni

Dr.C.Vishnu Priya

Tutor

Dr P.Siva Sankar

Dr K.Munaswamy

8.1 Awards, achievements and felicitations

Dr K. Nagaraj, Professor & HoD, Member of project review group of ICMR, New Delhi in the area of health systems research, ICMR, New Delhi.

Dr D.Ravi Sankar, Assistant Professor, as guide to

1. **Akkapeddi Sri Aryavalli**, 5th semester, MBBS student was awarded **ICMR short term studentship (STS) 2018**. Topic- Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea.

Dr Chandrasekhar Valleppalli, has

1. Received **Letter of Appreciation** from Director & CEO of AIIMS, Mangalagiri, Andhra Pradesh for demonstrating 'Friends and Family Cardio-Pulmonary Resuscitation (CPR)' to the First year MBBS students and their Family in AIIMS Mangalagiri at SMC, Vijayawada on 4th September 2019.
2. Received **2nd Prize in faculty oral presentation** for the research paper titled "Lifestyle Factors Associated with Diabetes Mellitus among Urban Population of Eluru: A Cross Sectional Study" in the International Forum-2019 on "Transformation of Public Health and Community Responsibility" in collaboration with Saudi Board Family Medicine Program sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA) at Ch.S.D.ST.Theresa's College for Women, Eluru on 9th August 2019.

3. Conferred with "**The Best Citizens of India Award 2019**" by International Publishing House, the world's most leading biographical specialists, New Delhi in July 2019.
4. Received **Certificate of Appreciation** from Indian Association of Preventive and Social Medicine (IAPSM) for acting as Nodal person for organization of IAPSM World Health Day Quiz 2019 at SVIMS-Sri Padmavathi Medical college for Women, Tirupati.
5. Received the **Elite+Gold certificate** from ICMR, NIRT, Chennai for successfully completing the course on "Manage TB" with a consolidated score of 91% through NPTEL / Swayam portal of Ministry of HRD, Govt. of India in July to September 2019 session.
6. Received certificate from **World Health Organization's (WHO)** National Public Health Surveillance Project for his contribution in monitoring immunization activities as External Monitor in Polio supplementary immunization activity at Chittoor District in the first round of NID 2019.
7. Awarded **Level 1 certificate** course in Data Improvement Planning from World Health Organization - Immunization Monitoring Academy on 18th February 2019.

Dr G. Visweswara Rao, has received appreciation for his contribution in monitoring immunization

activities in the Chittoor district & received certificate of participation from World Health Organization's (WHO) National Public Health Surveillance Project as External Monitor in Polio supplementary immunization activity at Chittoor District, Andhra Pradesh, in the first round of NID 2019.

8.2 Research projects

Research projects completed

Principal Investigator: Dr Ravi Sankar Deekala. **Title:** Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea in Tirupati town- A Cross-Sectional Study.

Principal Investigator: Dr Chandrasekhar. **Title:** Assessment of Risk of Type 2 Diabetes Mellitus in Tuberculosis Patients using Indian Diabetes Risk Score in Rural Area of Chittoor District: A Cross-sectional Study. **Funding agency:** ICMR STS-2019.

Ongoing Research projects

Principal Investigator: Dr Kondagunta Nagaraj

1. **Title:** Improving health care access for achieving Universal Health Coverage (UHC) among scheduled tribes : An Implementation Research in Chittoor District, Andhra Pradesh. **Funding agency:** ICMR, New Delhi (Rs.64,37,970/-).
2. **Title:** Self care practices and Quality Self care practices and Quality of Life among diabetic patients in Rural Area of Chittoor District. **Funding agency:** Model Rural Health Research Unit, Chandragiri, Department of Health Research, Govt. of India (Rs. 1,15,100/-).
3. **Title:** Socio-demographic, health and nutritional vulnerability and Prakriti assessment among the Elderly in Chittoor District, Andhra Pradesh. **Funding Agency:** ICMR Project.
4. **Title:** Morbidity status and Socio-cultural profile of population in villages near tailing pond of Uranium Corporation of India Ltd, Thummalapalli, YSR Kadapa District – A Cross-sectional Study. **Funding agency:** Andhra Pradesh Pollution Control Board (Rs. 27,27,800/-).

Principal Investigator: Dr D S. Sujith Kumar. **Title:** Health Status of Orphan Children Residing in Orphanages of Chittoor District. **Funding agency:** ICMR, New Delhi (Model Rural Health Research Unit (MRHRU), Chandragiri).

Principal Investigator: Divya Bharati. **Title:** Knowledge Attitude and Practice breast feeding among postnatal mothers in rural areas of Tirupati, Andhra Pradesh.

Co-Investigator: Dr.Chandrasekhar Valleppalli. **Title:** Nutritional Status of Children aged 2 to 5 years in Urban Field Practice area of a Medical college in Tirupati, Andhra Pradesh.

Co-Investigator: Dr.G. Visweswara Rao.

1. **Title:** A study on Nutritional status among Adolescent girls in rural areas of Tirupati.
2. **Title:** Study of life style disease risk factors among high school students in Tirupati: A base line study for intervention. **Funding agency:** ICMR STS-2019.

8.3 Conferences attended, lectures delivered

International:

1. **Dr Chandrasekhar Valleppalli**, attended International Forum-2019 on "Transformation of Public Health and Community Responsibility" in collaboration with Saudi Board Family Medicine Program sponsored by RUSA and presented a research paper on "Lifestyle Factors Associated with Diabetes Mellitus among Urban Population of Eluru: A Cross Sectional Study" at Ch.S.D.ST.Theresa's College for Women, Eluru, Andhra Pradesh, India during 8-9 August 2019.

National:

2. **Dr K. Nagaraj Participated**, in faculty development programme in Rural Immersion and Community Engagement organized by Mahatma Gandhi National Council of Rural Education, Hyderabad in collaboration with Sri Venkateswara Veterinary University, Tirupati during 19-23 August 2019.
3. **Dr Chandrasekhar Valleppalli**, participated in 63rd Annual National Conference of Indian Public

Health Association at Rangaraya Medical college, Kakinada, Andhra Pradesh during 31st January-3rd February 2019

State:

4. **Dr.Chandrasekhar Vallepalli**, participated in 25th A.P State Joint Conference of Indian Public Health Association & Indian Association of Preventive and Social Medicine at Rangaraya Medical college, Kakinada, Andhra Pradesh on 31st January 2019.
5. **Dr Anju D. Ade**, participated in Revised Basic Course workshop in Medical education technologies under the aegis of MCI Nodal Centre for National Faculty Development, Christian Medical College, Vellore at SVIMS, SPMC(W), Tirupati during 24-26 June 2019.
6. **Dr Anju D. Ade**, participated in Curriculum Implementation Support Program at SVIMS, SPMC(W), Tirupati under the aegis of MCI Nodal Centre for National Faculty Development, Christian Medical College, Vellore during 27-29 June 2019

8.4 Publications

1. Visweswarara Rao Guthi, Tirupati Venkata Devi Prathyusha, Nagaraj Kondagunta, Nakkala Kavyasree, Chimmata Kavitha, Mandapalli Kavitha. Quality of life among elderly population in an Urban slum of Tirupati city. Int J Com Med Public Health 2019;6(6):1-5.
2. Divakar S Nayak, Nagaraj Kondagunta, Deepthi Nayak, Veena G, Kamath, Asha Kamath. Nutritional counseling increases nutritional level in children aged 6-24 months in Udupi District – A cluster randomized controlled trial. Indian J Applied Res 2019; 9(7):12-5.
3. Misha Gorantla, Varun M Malhotra, Nagaraj Kondagunta. A Longitudinal Study on Adherence to Anti Retroviral Therapy and Its Determinants in Telangana State. Nat J Com Med 2019;10(2):50-4.
4. Nagaraj Kondagunta, Divakar S Nayak, Veena G Kamath and Asha Kamath. Counseling to mothers promotes complementary feeding (CF) practices and growth of children under 2 years of age a cluster randomized control trial. Int J Advanced Com Med 2019;2(2):88-95.

5. Chandrasekhar Vallepalli, Praveen Madala. Assessment of Knowledge related to HIV/AIDS among Medical students: A Cross-Sectional Study. Accepted for publication in International Journal of Contemporary Medicine. August 2019.
6. Chandrasekhar Vallepalli, Chandra Sekhar Kalevaru , Balaraju Ratna , U Vijaya Kumar , Ch. Rama Mohan, P. G. Deotale. A Study of Prevalence of Type 2 Diabetes Mellitus among Adults in an Urban Population of Eluru: POT2DIE Study. Accepted for publication in Indian Journal of Public Health Research and Development. July 2019.
7. Visweswara Rao Guthi , Sreedevi Arepalli, Sivakala Toka , Lohitha Bala Kakamanu , Lakshmi Sindhura Kakamanu. Study on awareness regarding snake bite hazards among people working in agriculture sector and health education about preventive and first aid measures. International Journal of Community Medicine and Public Health; 2019 Jun;6(6):2615-2618.
8. Dasari Gayathry, Anil Moluguri, Sachin Gurnule, Chandrasekhar Vallepalli, Visweswara Rao Guthi. Satisfaction and discontinuation with the use of family planning methods among eligible couples of rural and urban areas of Karimnagar. International Journal of Community Medicine and Public Health; 2019 Jun;6(4): 1476-1481.
9. Archana Carolin, Prathyusha Tirupati Venkata Devi Objective structured practical examination as a formative assessment tool compared to traditional method for third year M.B.B.S. community medicine students International Journal of Community Medicine and Public Health. Int J Community Med Public Health. 2019;6(10):4285-9.

8.5 CMEs/Seminars/Workshops attended

Dr Anju D. Ade, participated the following

1. 5-day faculty development programme on Rural Immersion and Community Engagement organized by Mahatma Gandhi National Council of Rural Education, Hyderabad in collaboration with SV Veterinary University, Tirupati during 19-23 August 2019.

2. Orientation programme to the participating institutes RCI, SVVU, UBA 2.0 organized by SV Veterinary University, Tirupati on 19th August 2019.

Dr Ravi Sankar Deekala, attended the following

1. 13th Revised Basic Course Workshop (RBCW) on Medical Education by Medical Education Department, at MCI Nodal Centre for National Faculty Development, Christian Medical College (CMC), Vellore during 7-9 January 2019.
2. 10th One day sensitization programme on workshop on Attitude, Ethics & Communication (AETCOM) Module at MCI Nodal Centre, CMC Vellore on 10th January 2019.
3. Participated in Revise Basic Course Workshop as resource person at SVIMS, SPMC(W), Tirupati during 24-26 June 2019.
4. Rheumatological Manifestations and Management of Hepatitis B, C & HIV, conducted jointly by Department of Microbiology, Community Medicine & Rheumatology at SVIMS, Tirupati on 20th July 2019.

Dr Chandrasekhar Vallepalli, Dr G. Visweswara Rao, participated as a delegate in the CME on Advanced Heart, Lung diseases management and Transplantation at SVIMS, Tirupati during 25-27 February 2019.

Dr Chandrasekhar Vallepalli, Dr G. Visweswara Rao, Participated as a delegate in the CME on Role of Urine Analysis in Current Clinical Practice conducted by the Department of Pathology, SVIMS, Tirupati on 6th July 2019

Dr Anju D. Ade, Dr Chandrasekhar Vallepalli, Dr.Ravi Sankar Deekala, Dr G. Visweswara Rao Attended CME on “Antimicrobial Stewardship” at SVIMS, SPMC(W), Tirupati on 28th September 2019

Dr Chandrasekhar Vallepalli, participated as a delegate in the CME on Updates of Prevention & Management of Type II Diabetes Mellitus organized by Community Medicine department at Alluri Sitarama Raju Academy of Medical Sciences, Eluru on 21st October 2019.

Dr Chandrasekhar Vallepalli, Dr.Ravi Sankar Deekala, Dr G. Visweswara Rao participated as a delegate in the CME on Infertility Management at Hotel Fortune Kences, Tirupati on 17th November 2019.

Dr Chandrasekhar Vallepalli, Dr.Ravi Sankar Deekala, Dr G. Visweswara Rao, actively participated in the CME and Basic Workshop on “Ophthalmology Update for General Practitioners” at Sri Venkateswara Aravind Eye Hospital, Tirupati on 15th December 2019.

8.6 Other academic activities

1. Dr Anju D. Ade was examiner in RGUHS, Karnataka.
2. Dr Anju D. Ade was examiner in JIPMER, Pondicherry.
3. Department observed “World Health Day” on 7th April, 2019.
4. Department observed “ World Aids Day” on 1st December 2019.

9.0 DEPARTMENT OF DENTAL SURGERY

Associate Professor & HoD

Dr D.S. Madhu Babu

Associate Professor

Dr P. Vani Priya

Junior Resident

Dr M. Ram Prasad

9.1 Publications

1. Subramanyam MB, Cheppali SR, Anumla D, Sighinam B, Prasuna E, Reddy RN. Estimation of macrophage inflammatory protein-1 α (MIP-1 α) levels in serum and gingival crevicular fluid in periodontal health, disease, and after treatment - A clinico-biochemical study. J NTR Univ Health Sci 2019;8:107-13.
2. Nagireddy RR, Sighinam B, Anumla D, Cheppali SR, Shellysistla LS, Subramanyam MB. Serum and gingival crevicular fluid macrophage inflammatory protein-1 β (MIP-1 β): Their relationship in periodontal health, disease, and after treatment with nonsurgical therapy. J NTR Univ Health Sci 2019;8:18-23.
3. Vani Priya P, Kiranmai G. Evaluation of DNA damage levels in oral leukoplakia by single cell gel electrophoresis assay. IOSR J Dental Med Sci 2019;18:56-9.

9.2 CME conducted by the dept.

CME on “Advanced Diagnostic Aids in Dentistry” presented by Dr D.S. Madhu Babu jointly organized by Department of Dental Surgery, ENT, Ophthalmology in Sri Padmavathi Auditorium, SVIMS.

9.3 CDE/CME/workshop attended

1. **Dr D.S.Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad** had attended CDE and demo programme on “Implant prosthesis made easy for all” organized by Indian Dental Association, Chittoor branch at Tirupati on 3rd March 2019.
2. **Dr D.S.Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad** had attended CDE and hands on programme, on “Application of CBCT in Dentistry”, organized by Indian Dental Association, Chittoor Branch at Tirupati on 28th April 2019.
3. **Dr P. Vani Priya, Dr M. Ram Prasad** had attended CME on “Advanced Diagnostic Aids in Dentistry” presented by **Dr D.S. Madhu Babu** conducted jointly by Department of Dental Surgery, ENT, Ophthalmology at SVIMS on 22nd June 2019.
4. **Dr D.S.Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad** had attended CDE on “Endodontics simplified: Comprehensive hands on course on Rotary Endodontics”, conducted by Indian Dental Association, Chittoor Branch at Tirupati on 28th July 2019.
5. **Dr D.S.Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad** had attended CDE on “achieving success with immediate loading implants.” conducted by Indian Dental Association, Chittoor Branch at Tirupati on 29th December 2019.

10.0 DEPARTMENT OF DERMATOLOGY

Professor & Head

Dr T. Ram Sharan

Faculty

Dr A. Surekha

Senior Resident

Dr R.Bhanu Prakash

10.1 Research Work

Thesis submitted

Dr Surekha, was Guide for the thesis

1. Govardhan M. Assessment and monitoring of clinical profiles, prescription patterns and adverse drug reactions of vitiligo patient in dermatology out-patient department –A prospective study (Pharm D).

Dr.T.Ram Sharan, was *Guide* for the thesis

1. Keerthi T. The clinico- Epidemiological study of Acne vulgaris in tertiary care hospital, SVIMS, Tirupati (Pharm D).

10.2 Publications

1. Prakash RB, Balachandrudu J, Reddy PP. Clinico-epidemiological study of warts in a tertiary care hospital. J. Evolution Med. Dent. Sci. 2019;8(16):1258-61.

10.3 CMEs/Seminars/ Workshops attended

Dr Surekha A, attended the following

1. ROOTZ-3 at Bengalur in September 2019.
2. CME on Antibiotic Stewardship at Nellore in September 2019

Dr Surekha A, Dr R.Bhanu Parakash, attended CME on IADVL- Therapeutic dilemmas and challenges in Dermatology” at Nellore in December 2019.

Dr T.Ram Sharan, attended CME on “Imaging in Musculo Skeletal Sports Injuries” by Department of Radio Diagnosis and Nuclear Medicine at SVIMS, Tirupati on 7th December 2019.

10.4 Other academic activities

Dr T.Ram Sharan, attended the following

1. Vertical Integrated Teaching programme on “Management of Allergic disorders” for II MBBS students on 21st November 2019.
2. Presented Research article on “Polymicrobial Aetiology of Chancroid” at SVIMS on 5th January 2019.

Dr T.Ram Sharan, Dr Surekha, are taking clinics for MBBS students, Dental UG & PG students and Pharm –D students.

Dr Surekha A is an active member at monthly meetings of Balaji Dermatologist Society (BDS)

Dr R.Bhanu Prakash, presented Research article on “Clinico-Epidemiological Study of Warts In A Tertiary Care Centre” at SVIMS on 14 December 2019.

11.0 DEPARTMENT OF EMERGENCY MEDICINE

Associate Professor & HoD i/c

Dr A. Krishna Simha Reddy

Faculty

Dr M.R. Kiran Kumar

Dr Rohith Gupta

Senior Residents

Dr Jannu Sowjanya

Dr P. Subramanyam

Dr Kalahasti Sankarachari

Dr G.K.Harish

MD PG Junior Residents

Dr K Navakiran Reddy

Dr G. Pavan Kumar

Dr A. Naga Sowmya

Dr Vinayak Yerra

Dr S. Sadasiva Raju

Dr Jonnakuti Rani

Junior Residents

Dr Nagarjuna

Dr Kiranmayee

11.1 Research work

Theses submitted

1. Vinayak Y. Clinical Profile of hypertensive patients presenting to Emergency Medicine (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Navakiran Reddy K. Comparison of performance of SOFA and qSOFA scoring system at the time of admission in critically ill patients who requires intubation in Emergency department (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Pavan Kumar G. Airway Survey in Emergency department at a tertiary care teaching hospital in South India (MD).

2. Sadasiva Raju S. Clinical presentation and outcome of post partum women presenting to emergency department at a tertiary care teaching hospital in South India (MD)

11.2 CME/Conferences conducted by the department

1. Workshop on “Bronchoscope and critical care Thoracic Ultrasound” by Dr Vaidehi Kaza from UT Southwestern Medical Centre, Texas during 23-24 June 2019.
2. Workshop on “ECMO and Mechanical devices” by Dr Sreekanth R. Cheruku, Assistant Professor from UT Southwestern Medical Centre, Texas during 28-29 August 2019.
3. Faculty attended Stroke Academy Masterclass at New Delhi during 23-24 November 2019.

12.0 DEPARTMENT OF ENDOCRINOLOGY

Professor & Head

Dr Alok Sachan

Faculty

Dr V. Suresh
Dr B. Sree Divya

Dr K. Raghavendra
Dr Mani Deepthi Dasari

DM PG Senior Residents

Dr Buddharaju P Varma
Dr Avinash Patil
Dr Sandeep Ganta

Dr Sruthi B
Dr Anusha N D

Dr Likhitha Butukuri

12.1 Awards

1. Anusha N D, PG Senior Resident won *first prize* for poster presentation titled “GAD antibody associated stiff man syndrome in a young boy with primary adrenal insufficiency” in APESICON 2019 at Tirupati on 17th March 2019.
2. Sandeep Ganta and Dr Avinash Patil, PG senior residents won *second prize* in the quiz at ESICON 2019, Nagpur during 23-24 November 2019.

12.2 Research projects

Ongoing Research projects

1. **Principal Investigator:** B Sree Divya, **Title:** Disturbing Eating Behaviors in patients with Type I Diabetes Mellitus, **Funding Agency:** SBAVP

12.3 Research work

Thesis work

Theses submitted

1. Raghavendra K. Prevalence of Autonomic neuropathy in patients with type 2 Diabetes mellitus with special reference to Cardiac Autonomic neuropathy (DM). Tirupati: Sri_Venkateswara Institute of Medical Sciences; 2019.
2. Mani Deepthi D. Effects of adequate treatment of Hyperthyroidism on glycated hemoglobin levels in non diabetic subjects with Hyperthyroidism (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Sandeep Ganta. Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes (DM).
2. Avinash Patil. Body composition and mediators of energy homeostasis in hyperthyroidism (DM).
3. Buddharaju P Varma. Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to Autonomic neuropathy (DM).
4. Anusha N D. A study on the effect of treatment on the prevalence of and ultra sonological grading of non alcoholic fatty liver disease in patients with hypothyroidism (DM)

12.4 Conferences attended, lectures delivered

Dr Alok Sachan, attended the following

1. Neurology PG update, Synapse, and delivered a talk on “endocrine evaluation of pituitary mass” at Tirupati on 3rd February 2019.
2. Annual Research Day and delivered a lecture on “review of literature: how to read a paper and interpret it” at SVIMS, Tirupati on 24th February 2019.
3. Annual Conference of the Endocrine Society of Andhra Pradesh and delivered a talk on “Management of hypoparathyroidism” on 17th March 2019.

4. CRESCENDO 2019 and delivered a lecture on “Choice of Antibiotics in Diabetic foot” at Kolkata on 10th August 2019.
5. 2nd Andhra Pradesh State Pulmonology Conference and delivered a lecture on “‘How to write a manuscript- results’ and workshop on “Research in Pulmonary Medicine and how to get articles” at SV Medical College, Tirupati on 1st August 2019
6. Annual Conference of the AP RSSDI and delivered a talk on “when to use daily, weekly and post prandial GLP analogs in practice” at Rajahmundry on 1st September 2019.
7. ESICON midterm conference and delivered a talk on “Rational use of calcium and vitamin D” at Visakhapatnam on 13th October 2019.
8. Annual Conference of the Endocrine Society of India (ESICON 2019) and delivered a lecture on “Central hypothyroidism: finer Therapeutic Approach” at Nagpur on 22nd November 2019.

Dr V Suresh, attended the following

1. Delivered a talk on “Ethics in Medical Research” at SVIMS, Tirupati on 24th February 2019.
2. Endocrine Masterclass and discussed “A case of Turner’s syndrome” at CMC, Vellore on 2nd March 2019.
3. “Hormone Rhythm”- The 2nd Annual Karnataka Endocrine Society Conference” and delivered a lecture on “Hypo and Hyperthyroidism in Pregnancy : Drug of Choice and Targets” at Bangalore, Karnataka on 28th April 2019.
4. “TREND-2019” and delivered a lecture on “The Short Normal Child- Evidence, Endocrinology, Ethics” at Chennai on 29th June 2019

12.5 Presentations by postgraduate students

Postgraduate students pursuing DM (Endocrinology) presented the following papers / posters at:

AP ESICON on 17th March 2019

1. Sandeep Ganta. Clinical experience with retrospective flash glucose monitoring in diabetes in SVIMS.

2. Avinash Patil. Effect of Bisphosphonates on BMD in postmenopausal women with osteoporosis.
3. Buddharaju P Varma. Severe hyperandrogenemia in postmenopausal woman as a presentation of ovarian hyperthecosis.
4. Anusha N D. GAD antibody associated stiff man syndrome in a young boy with primary adrenal insufficiency.

ENDO 2019, New Orleans in March 2019

1. Avinash Patil. Mixed Gonadal Dysgenesis: a case report.

ENDO UPDATE in August 2019

1. Avinash Patil. A rare case of functioning adrenocortical oncocytoma presenting as Cushing syndrome.

ESICON, Nagpur in November 2019

1. Sandeep Ganta. Comparison of ambulatory glucose profile between type 1 and type 2 diabetes mellitus.
2. Avinash Patil. Prevalence and patterns of postoperative polyuria and hyponatremia in the immediate course after transphenoidal surgery for pituitary adenoma.

ISPAE PET, Kolkata in November 2019

1. Buddharaju P Varma. Case presentation on Pediatric Graves disease.
2. Anusha N D. A case of 11 beta hydroxylase deficiency presenting as pseudo precocious puberty in a boy.

12.6 Publications

1. Bachimanchi B, Vaikkakara S, Sachan A, Praveen Kumar G, Venkatanarasu A, Sai Krishna Chaitanya P, Sridivya B, Poojari R. Effect of Adequate Thyroid Hormone Replacement on the Hypothalamo-Pituitary-Gonadal Axis in Premenopausal Women with Primary Hypothyroidism. Eur Thyroid J 2019;8:152-8.
2. Manthri RG, Ajit N, Vaikkakara S, Devi B V, Kalawat T. Unilateral Graves’ disease: The lesser known. Indian J Nucl Med 2019;34:96-8.

3. Chaitanya PSK, Suresh V, Mohan A, Sachan A. Respiratory Dysfunction in Hypothyroidism. J Clin Sci Res 2019; 8:89-94.
4. Suresh V, Ravikumar TS. Role of Accreditation and Ranking in Medical Education. J Clin Sci Res;8:65-6.
5. Krishnaja KS, Rallapeta RP, Shaik M, Manthri R, Vaikkakara S, Kalawat T C. Papillary carcinoma thyroid metastases presenting as thyrotoxicosis post thyroidectomy - A case report. Indian J Nucl Med 2019;34:134-6.

12.7 CME/Workshops/Orations conducted

1. Annual Conference of the Endocrine Society of Andhra Pradesh was jointly organized by Department of Biochemistry, Department of Endocrinology and Metabolism and Department of Pharmacology on 17th March 2019.
2. A workshop on Insulin Pump was organized with 'the Medtronic' at SVIMS on 16th November 2019.

13.0 DEPARTMENT OF FORENSIC MEDICINE

Professor & Head

Dr K. Bhaskar Reddy

Faculty

Dr B. Rupesh Kumar Naik

Dr K. Jyothi Prasad

13.1 Conferences attended, Lectures delivered

Dr B. Rupesh Kumar Naik, Assistant Professor participated in 'APFORMEDCON-2019' and presented a paper entitled 'Pattern of thoraco – Abdominal Injuries Sustained in RTA An Autopsy based Observational Study' in the State Conference at Srikakulam during 9-10 November 2019

13.2 Publications

1. Rupeshkumar Naik, Sunil Naik G, Priyanka Jharapala. Prevalence, behaviour, awareness and attitude regarding self medication: a comparative study between medical and dental students in South India. Glob J Res Analysis 2019;8(4):36-7.
2. Sunil Naik G, Rupesh Kumar Naik. Evaluation of head injuries with skull fractures in homicidal deaths, Paripex - Indian J Res 2019;8(3):39-40.

13.3 CME/Seminars/Workshops attended

Dr K. Bhaskar Reddy, Professor and Head has participated

1. a CME on 'Anti Microbial Stewardship' at SVIMS on 28.09.2019.
2. Revised Based workshop at SVIMS-SPMC-W during 24-26 June 2019.
3. a CME on 'Curriculum Implementation Support programme' on 27-29 June 2019.

Dr K. Jyothi Prasad, Associate Professor is attended

1. a CME at SVIMS and delivered a lecture on 'Medico Legal Case Management' on 5th January 2019.
2. a CME on "Anti Microbial Stewardship" at SVIMS on 28th September 2019.

Dr B. Rupesh Kumar Naik, Assistant Professor has participated a CMEs on

1. "We are at par in advanced medicare" at Ramesh Hospitals Tirupati on 15th July 2019.
2. "Anti Microbial Stewardship" at SVIMS on 28th September 2019.

13.4 Other academic activities of significance.

1. **Dr K. Bhaskar Reddy, Professor & Head**, was appointed as a Professor in-charge of Allied Health Sciences (Paramedical), to look after the paramedical courses from the date of appointment 16th December, 2017 till today. In addition, appointed as a 2nd MBBS Coordinator, SVIMS, Sri Padmavathi Medical College for Women, Tirupati. Appointed as a National Accreditation Board for Hospitals & Healthcare Providers (NABH) Group Member (HRM) and an Anti Ragging Committee member.
2. **Dr K. Jyothi Prasad, Associate Professor** was appointed as a Quality Manager and Group Member (COP) for National Accreditation Board for Hospitals & Healthcare Providers (NABH) and also he was appointed as a committee member of SVIMS Website Design & Monitoring Committee.

14.0 DEPARTMENT OF GENERAL SURGERY

Professor & Head
Dr Y. Mutheeswaraiah

Faculty

Dr P.V. Ramasubba Reddy
Dr B. Srihari Rao
Dr B.Hari Prasad

Dr T. Hemachandra
Dr B. Ramakrishna
Dr M. Pradeep

Dr Uday Kiran M
Dr P. Suresh Babu
Dr C. Manoj Krishna

Senior Resident

Dr Sravya

Dr V.Satya Naga Anil

Dr Mrudula Kadali

Junior Residents

Dr Kishore Kathi
Dr Narul Hameed Shaik

Dr M.Nawaz
Dr T. Venugopal Reddy

Dr M.C. Narendra

14.1 Conferences / CME / Workshop & Skill course attended

Dr Y.Mutheeswaraiah, attended the following

1. APASICON-2019 at Vijayawada during 23-25 August 2019.
2. 3rd Apollo International colo rectal symposium 2019 at Chennai during 22-24 March 2019.
3. Oncosurg 2019 workshop at TATA Memorial Hospital, Mumbai

Dr B Sri Hari Rao, attended the following

1. 65th Annual Conference of International College of Surgeons at Mysore during 11-13 October 2019.
2. XIII General and Digestive surgery work shop and CME, RDT hospital, Bathapalli (DT) during 2-3 November 2019.

Dr B.Hari Prasad, attended the following

1. CME on Medical Research on the occasion of Institute Research Day- 2019 at SVIMS, Tirupati on 24th February 2019.
2. CME on Antimicrobial stewardship organized by Sri Venkateswara Institute of Medical Sciences, Tirupati on 28th August 2019.
3. SMARC – 2019, Southern Medicos Annual

Research Conference, 5th Annual Life Science Conference organized by Konaseema Institute of Medical Sciences, Amalapuram during 12-14 September 2019.

4. 1st Revised Basic Course Workshop (RBCW) under the observer ship of Christian Medical College (CMC), Vellore organized by the Medical Council of India (MCI) at Sri Padmavathi Medical College (W), SVIMS, Tirupati during 24-26 June 2019.

5. Curriculum Implementation Support Programme (CISP) under the observer ship of Christian Medical College (CMC), Vellore organized by the Medical Council of India (MCI) at Sri Padmavathi Medical College (W), SVIMS, Tirupati during 27-29 June 2019.

Dr B.Rama Krishna, attended the CME on Antimicrobial stewardship organized by Sri Venkateswara Institute of Medical Sciences, Tirupati on 28th August 2019.

Dr T. Hemachandra, attended ASICON-2019 at Bhubaneswar, Orissa during 18-21 December 2019.

14.2 Publications

1. Geriki S, Bitla AR, SrinivasaRao PVLN, Hulikal N, Yootla M, Sachan A, Amancharla Yadagiri L, Asha T, Manickavasagam M, Kannan T, Kumari AP. Association of single nucleotide

polymorphisms of adiponectin and leptin genes with breast cancer. Mol Biol Rep. 2019;46:6287-97.

2. Konkay K, Kottu R, Yootla M, Hulikal N. Fine-needle aspiration cytology of nodular thyroid lesions: A 1-year experience of the thyroid cytopathology in a large regional and a University Hospital, with histological correlation. Thyroid Res Pract 2019;16:60-5.
3. Gurijala Prasanth1 , Ballapalli Hari Prasad. USG guided pigtail catheter placement for drainage of liver abscess as a minimally invasive procedure. Int Surg J. 2019 Jun;6(6):1892-5
4. *Ballapalli Hari Prasad, Minchala Chengalrayan Narendra, Shaik Nurul Hameed . LRINEC: an economical diagnostic tool for prognosis in patients with necrotizing soft tissue infections in a tertiary care centre. Int Surgery J 2019; 6(6):4*

14.3 Other academic activities

Dr Y. Mutheeswaraiah, attended as examiner for UG external examination in April at Bangalore Medical College, Bengaluru, and Karnataka.

Dr Hari Prasad, attended as UG external examiner at

1. Kamineni Institute of Dental Sciences, Narketpally, Telangana from 28-29 January 2019.
2. Bhaskara Medical College, Hyderabad on 27th August 2019.
3. Kamineni Academy of Medical Sciences, Hyderabad from 28-29 August 2019

15.0 DEPARTMENT OF HAEMATOLOGY

Associate Professor & Head

Dr C.Chandra Sekhar

15.1 Conferences attended, lectures delivered

Dr C.Chandra Sekhar, attended the following

1. ACE (Academy of Clinical Experts) 2019 under Mumbai Hematology group at New Delhi in July 2019.
2. Lugano, CME in Hematology at Mumbai in August 2019.

15.2 Research projects

Ongoing Research projects

1. **Principal Investigator:** Dr C. Chandra Sekhar.
Title: Analysis of EFE mutations in Idiopathic Erythrocytosis.

15.3 Publications

1. Chandrasekhar C, Kumar PS, Sarma PVGK. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in chronic myeloid leukemia patients. Sci Rep. 2019;9(1):2412.
2. Kumar PS, Chandrasekhar C, Srikanth L, Sarma PVGK. Down-regulation of SOX17, GATA4 and FoxA2 promotes differentiation potential of

hepatocytes from human hematopoietic stem cells. Tissue and Cell. 2019;62.

3. Samundeshwari EL, Srikanth L, Sireesha K, Surekha K, Chandrasekhar C, Rao MH, Vengamma B, Sarma PVGK. Identified cancer stem cells (CSCs) in *ex- vivo* cultured Acute Lymphoid Leukemia (B-ALL) cells. Journal of Stem cells. 2019; 14(2): (Accepted).

Papers under Review:

1. Chandrasekhar C, Santhosh Kumar P, Sarma PVGK. Identification and analysis of mutations in VHL, HIF1 α , PHD-2, EPO-R genes in clinically diagnosed congenital polycythemia patients. (PLOS Genetics.)
2. “Assessment of reference range of Serum Homocysteine from the post-therapy values of Cobalamin and Folate deficiency patients” (Journal of Physicians of India (JAPI))
3. “Low-cost screening of multi-group nutritional anaemia’s using receiver operating characteristic curve analysis (European Journal of Clinical Nutrition).

16.0 DEPARTMENT OF MEDICAL ONCOLOGY

Associate Professor & HoD i/c

Dr D.Bhargavi

Faculty

Dr K. Sambasivaiah
Dr A. Ravisankar

Dr Ram Prahlad K.M
Dr B. Sreekanth

MCh PG Senior Residents

Dr Lakshmi Priyadarshini
Dr V. Santhosh

Dr Phaneendra Mettapalli
Dr Sravan Kumar Reddy V

Dr P. Sindhu
Dr Rajivgandhi K

16.1 Awards, achievements and felicitations

Dr Santhosh V, Senior Resident has attended “3rd Annual precision Oncology and International Breast cancer conference 2019” at Jaipur and presented a poster and oral paper on “Recurrence patterns in Carcinoma Cervix post chemoradiotherapy” and secured 3rd Prize.

16.2 Research Work

Thesis work

Thesis submitted

1. Ramprahallad KM. Role of circulating tumor DNA in assessing chemotherapy response in Triple Negative Breast Cancer (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Sreekanth B. Role of serum carcino embryonic antigen as a predictive and prognostic marker of response to treatment in patients with Advanced Non Small Cell Lung Cancer – A prospective observational study (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019

Ongoing thesis work

1. Priyadarshini KL. Serum Procalcitonin versus CRP level as early diagnostic markers of sepsis in cancer patients with febrile neutropenia (DM).
2. Santhosh V. Change in receptor status after neoadjuvant chemotherapy in breast cancer and its prognostic significance (DM).
3. Phaneendra M. The utilization of G8 screening tool to assess toxicities in elderly patients with lung or gastrointestinal cancers from Andhra Pradesh (DM).

4. Sravan Kumar Reddy V. Evaluation of the tolerability and response rates with dose dense neoadjuvant chemotherapy for breast cancer(DM).

16.3 Conferences attended, lectures delivered

1. Dr D.Bhargavi has attended update in peritoneal surface malignancies conducted at Chennai during 25-26 February 2019.
2. Dr Santhosh V and Dr Priyadarshini KL, Senior Residents attended “SPEAK Teaching programme on management of Lymphoma” at Nagpur on 8th December 2019.

16.4 Presentations by postgraduate students

International

3rd Annual precision Oncology and International Breast cancer conference 2019 at Jaipur and presented posters and oral papers

1. Santhosh V. Recurrence patterns in Carcinoma Cervix post chemoradiotherapy.
2. Priyadarshini KL. Spectrum of pediatric malignancies at tertiary care centre.

16.5 Publications

1. **Bhargavi D**, Manilal B, Clinical profile and survival outcomes of Ewing’s Sarcoma – An Institutional Experience. Indian J Applied Res 2019; 9(2):30-1.
2. **Bhargavi D**, Kannan T, Priyadarshini K L, Santhosh V, Ramprahlad K M, Sreekanth B. A rare case of paediatric non-Hodgkin’s lymphoma. J Clin Sci Res 2019;8:95-7.

17.0 DEPARTMENT OF MEDICINE

Professor & Head

Dr Alladi Mohan

Faculty

Dr B. Siddhartha Kumar
Dr D.T.Katyarmal
Dr Manolasya V
Dr K.M. Bhargav

Dr V. Sameeraja
Dr M. Harika
Dr Sandeep Reddy Adam
Dr G. Sindu

Dr G. Aparna
Dr Mallem Babu
Dr K. Chandrasekhar

Senior Residents

Dr Anjali Praveen

Dr M. Soumya

Dr L. A. Prabhudeepthi

MD PG Junior Residents

Dr Tanikanti Sowjanya Lakshmi
Dr Rahul Conjeevaram
Dr Madigonda Ganesh
Dr Vasili Pradeep
Dr T Neeharika
Dr Gureddy Harshavardhan Reddy
Dr Racheri Suryudu
Dr Devika Reddy Vakkakula
Dr Krishna Kumar Mala

Dr Nandaluri Sairam
Dr Mounika Gopalam
Dr Lavanya S
Dr Haneesha M
Dr Seelabanu P
Dr K. Hemsai
Dr Sunil Kumar C
Dr N. Mounika
Dr C.V.S. Manasa

Dr Shriramya
Dr Archana M H
Dr Kasindula Anil Kumar
Dr Madhuvnthini N
Dr S. Vijayalakshmi
Dr Aruru Anilkumar
Dr Pothula Prasanthi
Dr Manubolu Sivakumar
Dr Iraga Siva Sai Sireesha

N.C. Gupta Pulmonary Fellow

Dr P. Rohith Reddy

17.1 Awards, achievements and felicitations

Dr Alladi Mohan is

1. *Chairman* (2018-19), AP State Chapter of Association of Physicians of India (AP API).
2. *Member*, Standard Treatment Workflows (STW) General Medicine Group, Department of Health Research, ICMR, Govt. of India.
3. *International Advisory Board Member* for *Hutchison's Clinical Methods*, 24th Edition (Glynn M, Drake WM, editors. Hutchison's clinical methods. An integrated approach to clinical practice. International Edition. 24th edition. Edinburgh: Elsevier; 2018).
4. *Editor*, Indian Journal of Chest Diseases and Allied Sciences (Indexed in PUBMED).
5. *Associate Editor*, Lung India (Indexed in PUBMED).
6. *Member, Editorial Board*, CHEST (Indian Edition), Official publication of American College of Chest Physicians, since 2017.
7. *Member, Scientific Committee and Editorial Board*. Progress in Medicine 2018. Mumbai: Association of Physicians of India, Indian College of Physicians; 2018.
8. *Editor*, Journal of Clinical and Scientific Research.

Dr Alladi Mohan was awarded Dr I. Joga Rao Memorial Chairman Oration Gold Medal 2019, by the Andhra Pradesh State Chapter of Association of Physicians of India) at Guntur, September 2019.

Dr M. Aruna, Assistant Professor was awarded **“V.D. Nada Gowda Best All India Annual Thesis Award 2018”** for work during the 74th Annual Conference of the Association of Physicians of India (APICON 2019), at Kochi 7-10 February 2019.

Dr V. Pradeep, Postgraduate Junior Resident in MD (Medicine) (2017-2020) won the **Best paper Award (Platform Presentation)** (Cash Prize of Rs 5000/-) for the paper on “Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalisation: a prospective study” in the Award Session at the 47th AP State Chapter of Association of Physicians of India (AP APICON 2019) at Guntur during 13-15 September 2019.

17.2 Research projects

Research projects completed

Dr Alladi Mohan is Principal Investigator for the following Research Project

1. **Title:** To study the effect of mobile phones on well-being, sleep and cognitive function. **Funding agency:** Department of Science & Technology (DST), Ministry of Science & Technology, Government of India.
2. **Title:** Efficacy of oral zinc administration as an adjunct therapy in Category I Pulmonary Tuberculosis along with assessment of immunological parameters (Double-blind, Randomized, Placebo-Controlled, Multicenter Clinical Trial). **Funding agency:** Department of Biotechnology, Ministry of Science & Technology, Government of India.
3. **Title:** A study on the Assessment of RNTCP Strategy of FNAC Diagnosis (at two weeks) and six months duration of treatment for peripheral tubercular lymphadenitis in 39 months period (Multicentric study). **Funding agency:** Central TB Division, Ministry of Health and Family Welfare, Govt. of India.
4. **Title:** Evaluation of the efficacy of thrice weekly DOTS regimen in TB pleural effusion at six months (multicenter study). **Funding agency:** Central TB Division, Ministry of Health and Family Welfare, Govt. of India.
5. **Title:** Sustaining research momentum over the coming decades: mentoring the next generation of researchers for tuberculosis (multicenter study). **Funding agency:** European Union Government, TBSusgent.

17.3 Research work

Theses submitted

2. **Rahul C.** Study of diagnostic accuracy of Xpert MTB/RIF in various forms of tuberculosis (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Ganesh M.** A study of microalbuminuria levels with reference to acute physiology and chronic health evaluation II (APACHE II) score in patients with sepsis admitted to a medical intensive care unit (MICU) (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. **Sowjanya Lakshmi T.** Effect of hyperglycemia on outcome of critically ill patients with and without diabetes mellitus admitted to medical intensive care unit (MICU) (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. **Devika Reddy V.** A study of prevalence and determinants of thyroid dysfunction in patients with type 2 diabetes mellitus in a tertiary care hospital (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. **Neeharika T.** A study on clinical profile evaluation and management of rapidly progressive glomerulonephritis (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. **Harshavardhan Reddy G.** Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
8. **Suryudu R.** Clinical profile of polycystic ovarian syndrome(PCOS) (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
9. **Krishna Kumar M.** A study of the burden of diabetes mellitus in patients with sputum-smear positive pulmonary tuberculosis (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
10. **Pradeep V.** Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalisation: a prospective study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. Mounika G. Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis (MD).
2. Lavanya S. Utility of the tourniquet test and white blood cell count to differentiate dengue in patients presenting with acute undifferentiated fever (MD).
3. Nandaluri Sai Ram. A study on serum electrolyte status in cancer patients before and after receiving platinum based chemotherapy (MD).
4. Manasa CVS. Study of pulmonary function and chest radiographic abnormalities in patients with rheumatoid arthritis (MD).
5. Haneesha M. Levels of circulating serum thyroid hormones achieved during the management of primary hypothyroidism with replacement doses of oral thyroxine (MD).
6. Seelabanu P. To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus (MD).
7. Nemileti Mounika. To study outcome of non invasive ventilator support in patients presenting to casualty in our tertiary care centre, Tirupati (MD).
8. Hemsai K. Aetiology, clinical and haematological profile of patients with Macrocytic Anaemia, a prospective study (MD).
9. Sunil Kumar C. Aetiology, clinical features and predictors of outcome in patients with septic shock (According to sepsis 3 definition) a prospective study (MD).

Thesis work carried other Departments

Dr Alladi Mohan was Co-guide for the following thesis

1. Praveen Kumar Reddy S. Right ventricular strain, strain rate and pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr B. Siddhartha Kumar was Co-guide for the following thesis

1. Harika V. A study to evaluate the usefulness of rapid antigen detection in comparison to real time PCR for diagnosis of influenza virus infection in clinically suspected patients with influenza like illness in a tertiary care hospital, SVIMS, Tirupati (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

17.4 Conferences/ Orations/lectures conducted

1. Department of Medicine organized the **Dr Kalpalatha and Dr Jayarama Guntupalli Medicine Chair Oration** on 16 January, 2019. **Dr V. Mohan**, Chairman and Chief Diabetologist, Dr Mohan's Diabetes Specialties Center and Director, Madras Diabetes Research Foundation, Chennai delivered the oration titled "*Tackling the diabetes epidemic in India – some success stories*".

17.5 Conferences attended, lectures delivered

Dr Alladi Mohan, delivered the following lectures:

1. "Translational research: looking beyond boundaries" in the UGC sponsored workshop, organized by the Centre for Translational Research at Sri Padmavathi Mahila Viswa Vidyalayam (SPMVV) during 22-23 January 2019.
2. "Latent tuberculosis in adults and adolescents: approach" at the Annual National Conference of the Association of Physicians of India at Kochi during 7-10 February 2019.
3. "Diagnosis and management of extra-pulmonary tuberculosis" at TSTCCON, Hyderabad on 9th February 2019.
4. "Pyrexia of unknown origin" at the APAPI Regional CME Government Medical College, Kadapa on 17th March 2019.
5. "Introduction: ice breaking and Group Dynamics" in the Revised 1st Revised Basic Course Workshop at SVIMS-SPMCW, Tirupati on 24th June 2019.
6. "Goals, roles and Competencies: CBME" in the Revised 1st Revised Basic Course Workshop held at SVIMS-SPMCW, Tirupati on 24th June 2019.

7. “Interactive and Innovative teaching methods including Large Group (Demo)” in the Revised 1st Revised Basic Course Workshop at SVIMS-SPMCW, Tirupati on 25th June 2019.
8. “Assessment of clinical skills” in the Revised 1st Revised Basic Course Workshop held at SVIMS-SPMCW, Tirupati on 26th June 2019.
9. “Feedback” in the Revised 1st Revised Basic Course Workshop held at SVIMS-SPMCW, Tirupati on 26th June 2019.
10. “Deriving objectives from competencies “ in the 1st Curriculum Implementation Support Program (CISP) held at SVIMS-SPMCW, Tirupati on 27th June 2019.
11. “Aligning & integrating competencies” in the 1st Curriculum Implementation Support Program (CISP) held at SVIMS-SPMCW, Tirupati on 27th June 2019.
12. “Learning Resource Materials” in the 1st Curriculum Implementation Support Program (CISP) held at SVIMS-SPMCW, Tirupati on 27th June 2019.
13. “A road map to diagnosis and management of extra-pulmonary tuberculosis” in the Global Health Care Summit 2019 Workshop on Recent Updates in Tuberculosis at Hyderabad on 22nd July 2019.
14. “Fever in ICU” at Dr Pinnamaneni Siddhartha Institute of Medical Sciences and Research Foundation, Chinna Avutapalli, Vijayawada on 31st July 2019.
15. Discussant Clinicopathological Conference at Dr Pinnamaneni Siddhartha Institute of Medical Sciences and Research Foundation, Chinna Avutapalli, Vijayawada on 31st July 2019.
16. “Acute undifferentiated fever” in the 4th Annual State Conference of Telangana TSAPICON at Karimnagar during 10-11 August 2019.
17. “Newer guidelines in pulmonary tuberculosis” in the 41st CME Programme in Internal Medicine Medicine organized by Medical Education and Research Trust (MERT) at Bengaluru on 17th September 2019.

18. “Treatment of resistant organisms” in the CME programme on “Antimicrobial stewardship” on 28th September 2019.

19. “Project grant proposal writing” at Narayana Medical College, Nellore on 11th December 2019.

Dr Alladi Mohan presented the paper on “Acute Respiratory Failure Requiring Admission to Medical Intensive Care Unit: A Prospective Study” in the ATS 2019 International Conference, at Dallas, USA May 17-22, 2019.

17.6 Expert/Chairperson/Panelist/Co-ordinator/Judge

Dr Alladi Mohan was

1. **Chairperson** in the DBT sponsored 8th National seminar on Bioinformatics at Tirupati during 22-23 February 2019.
2. **Judge** for “Best Paper” Award” in the 2nd Andhra Pradesh State Pulmonology Conference APSACON 2019 at Tirupati during 2-4 August 2019.
3. **Co-ordinator** for Workshop on “Research in Pulmonary Medicine” in the 2nd Andhra Pradesh State Pulmonology Conference APSACON 2019 at Tirupati during 2-4 August 2019.
4. **Moderator** for Panel Discussion on “Respiratory Infections” in the 21st Joint National Conference of Indian Chest Society and National College of Chest Physicians at Kochi, Kerala during 21-24 November 2019.

17.7 Presentation by postgraduate students

Postgraduate students pursuing MD (Medicine) presented the following papers at the 46th AP State chapter of Association of Physicians of India (AP APICON 2019) at Guntur during 13-15 September 2019:

1. Rahul C, Mohan A, Harikrishna J, Venkataramana B, Jayapada R, Sarma KVS. Study of diagnostic accuracy of Xpert MTB/RIF in various forms of tuberculosis.
2. Ganesh M, Katyarmal DT, Harini Devi N, Sarma KVS. A study of microalbuminuria levels with reference to acute physiology and chronic health evaluation II (APACHE II) score in patients with

- sepsis admitted to a medical intensive care unit (MICU).
3. Sowjanya Lakshmi T, Katyarmal DT, Suresh V, Sarma KVS. Effect of hyperglycemia on outcome of critically ill patients with and without diabetes mellitus admitted to medical intensive care unit (MICU).
4. Devika Reddy V, Kumar BS, Suresh V, Kiranmayi VS, Sarma KVS. A study of prevalence and determinants of thyroid dysfunction in patients with type 2 diabetes mellitus in a tertiary care hospital.
5. Neeharika T, Kumar BS, Sivakumar V, Rukmangadha N, Vijayalakshmi Devi B, Sarma KVS. A study on clinical profile evaluation and management of rapidly progressive glomerulonephritis.
6. Harshavardhan Reddy G, Katyarmal DT, Kiranmayi VS, Sarma KVS. Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study.
7. Suryudu R, Kumar BS, Suresh V, Usha brindhini M, Pavan kumar G kale, Sarma KVS. Clinical Profile of Polycystic Ovarian Syndrome(PCOS).
8. Krishna Kumar M, Mohan A, Harikrishna J, Venkata Ramana B, Sachan A, Srinivasa Rao PVLN, Jayaprada R, Sarma KVS. A study of the burden of diabetes mellitus in patients with sputum-smear positive pulmonary tuberculosis.
9. Pradeep V, Mohan A, Harikrishna J, Chaudhury A, Vijayalakshmi Devi B, Sarma KVS. Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalisation: a prospective study.
10. Lavanya S, Harikrishna J, Sindhu G, Mohan A, Jayaprada R, Vanajakshamma V. Subacute enterococcal infective endocarditis presenting with low backache as initial manifestation: a report of two cases.
11. Mounika G, Kumar BS, Bhargav KM, Abha Chandra, Vijaya Lakshmi Devi B. Leriche syndrome, hypokalemia presenting with acute onset paraparesis.
12. Mounika N, Mohan A, Harikrishna J, Bhargav KM. Hyperthyroidism with hypokalemic paralysis.
13. Sairam N, Katyarmal DT, Sreevidya B, Bhargav KM, Vijayalakshmi B. Bulging fissure sign.
14. Haneesha M, Aruna M, Chandrasekhar K. Interstitial lung disease with congenital erythrocytosis.
15. Manasa CVS, Harikrishna J, Mohan A, Sindhu G, Chowhan AK, Sirisha K. Prostate abscess with acute urinary retention as initial presentation of granulomatosis with polyangitis .
16. Hemsai K, Kumar BS, Bhargav KM, Reddy KVR, Sreelekha A, Vijayalakshmi Devi B, Mantri RG. An unusual clinical course in a patient with disseminated tuberculosis.
17. Sunil Kumar C, Harikrishna J, Mohan A, Sirisha K, Vijayalakshmi B. Amyopathic dermatomyositis with interstitial lung disease.
18. Seelabanu P, Katyarmal DT, Manolasya V, Kumar BS, Bhargav KM, Sreevidya B. A case report on tuberous sclerosis.

17.8 Publications

Publications in indexed journals

1. Racherla RG, Pamireddy ML, Mohan A, Mudhigeti N, Mahalakshmi PA, Nallapireddy U, Kalawat U. Co-circulation of four dengue serotypes at South Eastern Andhra Pradesh, India: A prospective study. Indian J Med Microbiol 2018;36:236-40.
2. Rao MH, Venkatraman A, Naga Divya R, Madhusudhan M, Mohan A, Samantharay A. Comparison of performance of APACHE II and SOFA scoring systems in critically ill patients admitted to intensive care unit. Indian J Chest Dis Allied Sci 2019;61:69-74.
3. Bhargav KM, Kumar BS, Mohan A, Aramadhaka LR, Prajwal BM, Kumar DP, et al. Clinical manifestations, imaging findings and laboratory abnormalities in 51 patients with autosomal dominant polycystic kidney disease: Experience at Tirupati, South India. J Clin Sci Res 2018;7:165-9.

4. Raja VA, Harikrishna J, Ganesh M, Rahul C, Praveen A, Reddy SA, et al. Anti-synthetase syndrome. J Clin Sci Res 2019;8:98-100.
5. Racherla RG, Nagaraja M, Mohan A, Kalawat U. Trends of acute-phase dengue at a tertiary care hospital, Tirupati, Andhra Pradesh India. J Clin Sci Res 2018;7:175-8.
6. Chaitanya PSK, Suresh V, Mohan A, Sachan A. Respiratory dysfunction in hypothyroidism. J Clin Sci Res 2019;8:89-94.
7. Yuvaraja K, Chidambaram N, Umarani R, Bhargav KM, Kumar SP, Prabhu T, et al. A study on clinical features, complications and management of scorpion sting envenomation at a tertiary care hospital, in rural South India. J Clin Sci Res 2019;8:140-4.
8. Raja VA, Rahul C, Kumar MK, Pradeep V, Sreedhar Babu KV, Harikrishna J. Transfusion-related acute lung injury. J Clin Sci Res 2018;7:24-9.
9. Kumar DP, Niveditha G, Kumar BS, Indirakshi J, Devi PS, Mohan A. Stevens–Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral cefuroxime. J Clin Sci Res 2019;8:155-8.
10. Sindhu G, Praveen A, Niveditha G, Kumar DP, Kumar BS, Mohan A. Skin diarrhoea due to scorpion sting. J Clin Sci Res 2018;7:192-3.
11. Harikrishna J, Pradeep V, Mounika G, Lavanya S, Hemsai K, Kumar CS, et al. Pulmonary atelectasis due to organised blood clot. J Clin Sci Res 2018;7:149-50.

Book Chapters

1. Mohan A, Harikrishna J, Arun Raja V. Latent tuberculosis in adults and adolescents—approach. In Progress in medicine 2019. Kochi: Association of Physicians of India, Indian College of Physicians; 2019(LIII):225-230.
2. Mohan A, Pradeep V. The forgotten art of percussion of the chest: relevance in the computed tomography (CT) era. In Chandra S, editor. Clinical medicine update. Agra: Indian Association of Clinical Medicine; 2019(XXII):137-40.

3. Mohan A, Pradeep V. Fever. In: Shankar PS, editor. Symptomatic approach in geriatrics. Mumbai: Academy of Advanced Medical Education; 2019.p.21-5.

Public awareness lectures

1. “Update in TB” on World TB Day at Tirupati on 24th March 2019
2. “Hazards of tobacco smoking” on World No Tobacco Day at Tirupati on 31st May 2019.
3. “Pathogenesis of diabetes mellitus” on World Diabetes Day November 14, 2019, at Tirupati.

17.9 Others

Dr Alladi Mohan, was

Examiner for

1. MBBS (Dr NTR University of Health Sciences)
2. MD (Internal Medicine) Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, All India Institute of Medical Sciences (AIIMS), New Delhi
3. DNB (General Medicine)
4. MCI Assessor for MD (Medicine/General Medicine)
5. NBE Assessor for DNB (General Medicine)

Dr B Siddhartha Kumar was **Examiner** for MBBS (Kerala Health University, Kerala).

Dr D.T. Katyarmal was **Examiner** for MD (Medicine) (Maharashtra University of Health Sciences, Maharashtra).

18.0 DEPARTMENT OF MICROBIOLOGY

Assoc. Professor & HoD i/c

Dr K.K. Sharma

Faculty

Dr Abhijit Chaudhury
Dr Usha Kalawat
Dr B.Venkataramana

Dr R.Jayaprada
Dr Anju Verma

Dr N. Ramakrishna
Dr S. Yamini

Lecturer / Resident Specialist

Dr S. Noble Ujesh
Dr V S Srikala

Tutors

Dr Vangara Harika
Dr K. Vineela

Research Scholars

Meenakshi K

Rishi Gowtham R

Srikar A

18.1 Awards achievements and felicitations

1. Rishi Gowtham R, Research Scholar bestowed with **Best Poster Award** for the poster presentation at “8th National Seminar on Bioinformatics” during 22-23 February 2019.

18.2 Fellowships received

1. Rishi Gowtham R Research Scholar was awarded with Indian Council of Medical Research, Senior Research Fellow (**ICMR-SRF**).
2. Meenakshi K was awarded with Indian Council of Medical Research, Senior Research Fellow (**ICMR-SRF**)

18.3 Research project

Research projects completed

1. **Principal Investigator:** Dr R.Jayaprada. **Title:** Molecular and Biochemical Characterization of clinical isolates of group B Streptococci.
2. **Principal Investigator:** Rahul C. **Title:** Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupathi, Andhra Pradesh. **Co Guide:** Dr R.Jayaprada
3. **Co Investigator:** Dr R.Jayaprada. **Title:** Evaluation of Antibiotic Stewardship initiative in Nephrology unit of a tertiary care teaching hospital in India: A Pilot study.

4. **Chief guide:** Dr R. Jatyaprada. **Title:** A study of bacteriological profile and antimicrobial susceptibility pattern of isolates from stethoscopes and mobile phones used by clinicians in a tertiary care hospital, South India. Funding Agency: **ICMR** reference id: 2019-04084.

18.3 Research work

Thesis work

Theses Submitted

1. **Nagaraja M.** Detection of Human Papillomavirus (HPV) and Identification of its Genotypes among women with suspected Cervical Cancer and their Male partners (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. **Rishi Gowtham R.** Molecular Characterization and Identification of Potential Inhibitors for E Protein of Dengue Virus (MD).
2. **Meenakshi K.** Study of atypical pneumonia in a tertiary care teaching hospital of Sri Venkateswara Institute of Medical Sciences, Tirupati and Sri Venkateswara Ramanarain Ruia (SVRR) government general hospital, Tirupati with molecular characterization of Pneumocystis jiroveci (MD).

18.4 Conference/ CME attended, lectures delivered

Dr Abhijit Chaudhury, attended the following

1. Vaccines for Leishmaniasis: An Update. Tropical Parasitology Conference (TROPACON), UP-UK Chapter at Moradabad during 18-19 October 2019.
2. Chronic Diarrhoea among immunocompromised patients. Panel Discussion. Tropical Parasitology Conference (TROPACON) at West Bengal Chapter, Kolkata during 7-8 December 2019.

Dr R.Jayaprada, attended the following

1. Combined CME conducted by Microbiology, Rheumatology and Community Medicine and presented a guest lecture on “Laboratory diagnosis of Hepatitis B, C and HIV infections” at SVIMS, Tirupathi on 20th July 2019.
2. Basic- Certified Professional for Quality Implementation in Hospitals (CPQIH) training at SVIMS during 9-11 August 2019.

Soumya D, Meenakshi.K, Nagaraja M, Rishi Gowtham.R, Umapathi.N UshaKalawat, attended Science Research day at Virus Research and Diagnostic Laboratory (VRDL), SVIMS, Tirupati on 25th February 2019.

Madhavi Latha P, M. Nagaraja, Rishi Gowtham R, Padmalatha AM, Meenakshi K, Umapathi N, Usha Kalawat. attended CME on Medical Research and presented a poster on Outbreak of Influenza during 2017-18 in Andhra Pradesh, India at Research Day, SVIMS, Tirupati on 24th February 2019

Dr B. V. Ramana, A. Srikar, P. Prakash, Abhijit Chaudhury. Diagnosis of Extra Pulmonary Tuberculosis by real time PCR and comparison With Conventional Diagnostic Methods at IJSR 2019.

Anagoni Srikar, Dr. B. V. Ramana, Dr. Alladi Mohan, Dr. Pvgk Sarma, Nitumoni Gohain, P. Prakash, Dr. Abhijit Chaudhury. Comparison of three extraction methods for isolation of M.tuberculosis DNA for genotypic studies and efficacy of heat killing after boiling. IJSR, 2019.

18.5 Presentation by Research scholars

8th National Seminar on Bioinformatics during 22-23 February 2019 and presented posters:

1. **Nagaraja Mudhigeti, Usha Kalawat, Rishi Gowtham R, MeenakshiKante, Narendra Hulikal**. Significance of Isothermal Amplification Technique (LAMP) for detection and typing of HPV 16 and 18 from Endocervical Samples.
2. **A M Padmalatha, Rishi Gowtham R, N Umapathi, Usha Kalawat**. Seroprevalence of Hepatitis B and C viral infections in patients at a tertiary care hospital in South India, a retrospective study.
3. **Soumya D, Nagaraja M, Padmalatha AM, Usha Kalawat**. Journey of Influenza, from epidemic to endemic in Andhra Pradesh, India”. Virus Research and Diagnostic Laboratory (VRDL), Sri Venkateswara Institute of Medical Sciences, Tirupati, Andhra Pradesh.
4. **Madhavi Latha P, Padmalatha AM, Nagaraja M, Rishi Gowtham R, Umapathi Reddy N, Usha Kalawat**. A Preliminary Study to Know the Burden of Infectious Hepatitis at Tertiary Care Center.
5. **Madhavi Latha P , Padmalatha AM, M. Nagaraja, Rishi Gowtham R, Umapathi N**. A Preliminary Study to Know the Burden of Infectious Hepatitis at Tertiary Care Center.
6. **Rishi Gowtham R, Sudheer K, Umamaheswari A, Usha Kalawat**. A Novel Approach of Molecular Docking Simulations (MDS) in the Pursuit of Inhibitors against Dengue Virus; poster presentation.
7. **Meenakshi K, Rishi Gowtham R, Usha Kalawat**. Standardisation of multiplex PCR for identification of pathogens causing atypical pneumonia; poster presentation.

18.6 Publications

1. Chaudhury A, Ramana BV. Schizophrenia and bipolar disorders: The Toxoplasma connection. Trop Parasitol 2019;9:71-6.
2. Srikar A, Ramana BV, Mohan A, Sarma PVGK, Gohain N, Prakash P, Chaudhury Abhijit.

- Comparison of three extraction methods for isolation of *M. tuberculosis* DNA for genotypic studies and efficacy of heat killing after boiling. *International Journal of Scientific Research* 2019;8:59-61.
3. Ramana BV, Srikar A, Prakash P, Chaudhury Abhijit. Diagnosis of extra pulmonary tuberculosis by real time PCR and comparison with conventional diagnostic methods. *Int J Sc Res* 2019;8:DOI:10.36106/ijsr
 4. Ramana BV, Srikar A, Prakash P, Chaudhury Abhijit. Diagnostic accuracy of XPERTMTB/RIF assay in detection of pulmonary tuberculosis and rifampicin resistance in comparison with conventional methods. *Int J Sc Res* 2019; 8: DOI : 10.36106/ijsr
 5. Ramana BV, Srikar A, Sreedhar Babu KV, Chaudhury Abhijit. MPT 64 antigen detection for Rapid confirmation of *Mycobacterium tuberculosis* complex. *International Journal of Medical Science and Current Research* 2019; 2: 165-7.
 6. Natham H, Kondagadapu S, Kadiyala V, Mohan A, Chaudhury A, Samantaray A. Bacterial Colonisation and Antibiotic Sensitivity Profile of Endotracheal Tubes in Mechanically Ventilated Patients. *Journal of Clinical and Diagnostic Research*; 2019 January. [cited: 2019 Jan 19]; 13:UC01-UC06. DOI: 10.7860/JCDR/2019/ 37402.12457.
 7. Mudhigeti N, Kalawat U, Hulikal N, Kante M. Evaluation of loop-mediated isothermal amplification assay for detection and typing of human papilloma virus 16 and 18 from endocervical samples. *Indian J Med Microbiol.* 2019;37:241-7.
 8. Anju Verma, Nagaraja Mudhigeti, Sirisha Kommireddy, Srikar Anagoni, KVS Sharma, Umapathi Nallapireddy, Usha Kalawat. Seroprevalence of Anti-Chikungunya IgG Antibodies among Rheumatoid Arthritis (RA) Patients.2019;13(12).
 9. Kante M, Racherla RG, Kalawat U, et al. Prevalence of multidrug resistant staphylococcus aureus in clinically suspected atypical pneumonia patients. *J. Evolution Med. Dent. Sci.* 2019;8.
 10. Meenakshi K, Racherla Rishi Gowtham, Usha Kalawat. *Pneumocystis jirovecii* Pneumonia-A revisit to the old malady. *J ClinDiagn Res* 2019;13:1-8.
 11. Ramana BV, Srikar A, Sreedhar Babu KV, AbhijitChaudhury. MPT 64 antigen detection for Rapid confirmation of *Mycobacterium tuberculosis* complex. *Int J Med Sci Current Res* 2019;2(5).
 12. Ramana BV, Srikar A, Prakash P, Abhijit Chaudhury. Diagnosis of extrapulmonary tuberculosis by real time PCR and comparison with conventional diagnostic methods. *PRINTISSN No. 2277 – 8179* 2019;8(10).
 13. Ramana BV, Srikar A, Prakash P, Abhijit Chaudhury. Diagnostic accuracy of XPERTMTB/RIF assay in detection of pulmonary tuberculosis and rifampicin resistance in comparison with conventional methods. *PRINTISSN No. 2277 - 8179 | DOI : 10.36106/ijsr* 2019;8(10).

Accepted for publication

1. Anagoni Srikar, B V Ramana, Alladi Mohan, PVGK Sarma, Abhijit Chaudhury. Genetic diversity of *Mycobacterium tuberculosis* complex isolated from previously treated sputum smear positive patients with pulmonary tuberculosis. Accepted in *BMC Microbiology*.
2. Abhijit Chaudhury, SC Parija. *Lophomonas blattarum*: A New Flagellate causing Respiratory Tract Infections. Accepted in *Tropical Parasitology*.
3. Noble Ujesh S, Jayaprada R, Ramakrishna N, Sharma KK, Hanumantha Rao M, Alokasamantaray, Madhusudhan M. A study of microbiological profile, antimicrobial susceptibility patterns related to central line associated blood stream infections in RICU in a tertiary care hospital, SVIMS, Tirupathi. Submitted & Accepted in *JCSR, SVIMS-JCSR_18_19*.
4. Yamini S, Ramakrishna N, Jayaprada R, Srikala V.S. A study of microbiome and its antimicrobial susceptibility patterns among central line associated infections (CLABSI) in a tertiary care hospital, India. Submitted & Accepted in *JCSR, SVIMS-JCSR_34_19*.

5. R.Jayaprada, N.Ramakrishna, K.K.Sharma. A Surveillance study of Multidrug resistant organisms among clinically significant Gram negative bacteria in a tertiary care teaching hospital from South India. Submitted & Accepted in JCSR, SVIMS-JCSR_116_19.

Dr Abhijit Chaudhury was Reviewer for: Indian Journal of Medical Research, Folia Microbiologica, BMC, Microbiology.

18.7 CMEs/Seminars/Workshop conducted by the department.

1. 4th Annual Hands on Training on Virus Diagnostic Methods held by VRDL during 27-28 December 2019.
2. Dr R.Jayaprada, conducted CME programme on Antimicrobial stewardship at SVIMS, Tirupathi as organizing secretary on 28th September 2019.

18.7 Other academic activities

Dr R.Jayaprada, Presently working as

1. AMSP Lead for SVIMS Antimicrobial Stewardship committee and Working on strict implementation of antibiotic policy in association with the clinicians and performing regular AMSP rounds.

2. Hospital Infection Control Officer & Established Hospital infection control programme to its full extent from 2013 onwards to till date.
3. HIC coordinator for NABH-full Accreditation and updated the HIC manual and all the HIC policies upto date.
4. Associate Editor for Journal of Clinical & Scientific Research (JCSR), SVIMS, and Tirupathi since 2013.
5. A member of Staff health committee, Biomedical waste management subcommittee and Needle stick injury subcommittee
6. Working with NABL team for lab accreditation.
7. Prepared 7th Edition AMSP pocket guide January-June 2019 and working ahead to release 8th edition AMSP pocket guide June –December 2019.

19.0 DEPARTMENT OF NEPHROLOGY

Professor & Head

Dr R.Ram

Faculty

Dr V. Siva Kumar
Dr Sivaparthi

Dr Sunnesh Reddy Anapalli
Dr R.D.Nagaraj

Dr.Lokesh

DM PG Senior Residents

Dr K. Naveen Kumar
Dr M. Raja Amarendra

Dr Naga Alekhya B
Dr Maria Bethsaida Manual

Dr Murali
Dr Lakshmi Aishwarya P

19.1 Awards, Achievements and Felicitations

1. **Dr R Ram**, Professor & Head was awarded **PDSI Oration Award** for the year 2019 at the 22nd peritoneal dialysis society of India conference at Hyderabad.
2. **Dr Sivakumar**, Professor was awarded **Guru Dronacharya Award** at AVATAR 2019.
3. **Dr N. Sai Sameera**, Senior Resident won **second prize** in ISNSCCON -2019 South Zone conference held at Tirupati on 23rd March 2019.
4. **Dr Alekya**, Senior Resident won **second prize** in ISNSCCON-2019 South Zone conference at Tirupati on 23rd March 2019.

Achievements

1. Released book in ISNSCCON-2019 – Articles a Nephrologist should know.

19.2 Thesis work

Thesis submitted

1. **Sunnesh Reddy**. To study the risk factor profile for thrombophilia in patients of ESRD on maintenance dialysis with failed AV fistulas (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences 2019.
2. **Sai Sameera N**. A study of oxidative stress, inflammatory markers, endothelial dysfunction in diabetic and non diabetic chronic kidney disease patients on peritoneal dialysis (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences 2019.

Ongoing Thesis work

1. **Raja Amarendra**. Gonadal function and body composition in adult men with non diabetic chronic kidney disease (DM).
2. **Naveen Kumar K**. A study of oxidative stress, inflammatory markers, endothelial dysfunction in diabetic and non diabetic chronic kidney disease patients (DM).
3. **Alekya**. A study on markers of oxidative stress and inflammation in patients of ESRD with peritonitis on chronic peritoneal dialysis (DM).
4. **Maria Bethsaida Manual**. A study on correlates of atherosclerotic vascular disease in stable post renal transplant patients (DM).

19.3 Conferences attended, lecture delivered

1. **Dr V Sivakumar**, attended ISNSCCON and chaired a session at Hyderabad during 18-21 September 2019.
2. **Dr Sunnesh Reddy A, Dr Saisameera, Praveen, Dr Sarat Chandra**, attended the APEX Foundation in Mumbai 2019.

19.4 Presentations by post graduate students

ISNSCCON2019 at Tirupati on 23rd March 2019.

1. **Raja Amarendra**. Presented poster on “Empysematous pyelonephritis in ADPKD in Serum uric acid levels and mortality in peritoneal dialysis patients” and Oral presentation on “Dialysis creatinine response patterns during peritoneal

equilibration test and the association between CV morbidity: findings from a prospective cohort study” .

19.5 Publications

1. Lakshmi B S, Padmavathi Devi S V, Sameera N S, Reddy A S, Ram R, Kumar VS. IgA nephropathy in a patient with IgG myeloma. Indian J Nephrol 2018;28:404-6.
2. Hari Krishna Reddy M, Kumar AC, Sangeetha B, Ram R, Siva Kumar V. Anti-PLA2R antibody in a secondary cause of membranous nephropathy. Nephrology (Carlton). 2018 Jan;23(1):94-95. doi: 10.1111/nep.12997.
3. Harikrishna Reddy M, Padmavathi Devi SV, Sangeetha Lakshmi B, Anil Kumar CV, Ram R, Siva Kumar V. Multi-focal Tuberculous Osteomyelitis in a Kidney transplant patient. Nephrology (Carlton). 2018;23(3):288-9.
4. Lingala Maheesha, Pilla S Surya Durga Devi, Pola Bogeswara Reddy, Tirupathi Devi Priya,

Umamaheswara Rao K, Siva Kumar B. Adverse drug reactions associated with Immunosuppressive Therapy in Kidney Transplantation patients as Addressed using Causality, Severity and Preventability Scales. J Hosp. Pharmacy 2018;13(2):264-5.

5. Pavithra Cirevali, Harini Devi Nijmmanapalli, Lallith Kumar Parlapalli, Lakshmi Sowjanya Nuthalapati, Anitha Kuttiappan, Siva Kumar Vishnu Bhotla; Pill Burden, Drug class distribution and Financial Burden for buying medicines in Different modalities of Chronic Kidney Disease Patients:Cross Sectional study. Int J Pharm Pharm Sci 2018;10(6):165-70.

19.6 Seminars/ Orations conducted by the department

Oration:

Balaji Endowment Oration by Professor VIJAY KHER, consultant, Medanta, Gurugramthe topic “Epidemic of chronic kidney disease in India-current perspectives”

Dr R Ram, conducted ISNSCCON-2019 at Tirupati on 23rd March 2019.

20.0 DEPARTMENT OF NEUROLOGY

Senior Professor & Head

Dr B. Vengamma

Faculty

Dr S. Venkata Naveen Prasad

DM PG Senior Residents

Dr M.K. Usha Chowdary
Dr Manideep Malaka
Dr Tirupati Kedar

Dr A Sunitha
Dr Sateesh Gudla
Dr Srikanth K

Dr Y. Raghu Nandini
Dr Addepalli Yamini
Dr P. Phani Kumar

20.1 Awards

Dr R Rakesh Reddy, DM (final year) resident won **First Prize** for paper presentation on A Study on association of Cyp 2c9 polymorphism with phenytoin toxicity in APNEUROCON Silver Jubilee celebration of APNSA at Vishakhapatnam on 16th July 2019.

20.1 Research Work

Thesis work

Thesis submitted:

1. Poornima Sesha Sai Neelima Ch. Assessment of Intracranial and Extracranial carotid Vascular disease in patients presenting with acute Ischemic stroke : a prospective study (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Panyam Pranuthi. Study of “A Study of Prognostic significance of serum Troponin I in patients with acute ischemic stroke” (DM). Sri Venkateswara Institute of Medical Sciences, Tirupati; 2019.
3. Rakesh Reddy Reddigari. A study on Association of CYP2C9 Polymorphisms with phenytoin toxicity (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Madineni K Usha. A Study of Prognostic significance of increased Mean platelet volume and platelet distribution width in patients with Cerebral Venous Thrombosis (DM).

2. Tirupati Kedar. A study on Stroke Awareness and factors delaying thrombolytic therapy in Acute Ischemic stroke patients at a tertiary care hospital (DM).
3. Manideep Malakala. “Comparision of Frequency of motor and Non motor symptoms in young onset versus late onset Parkinson’ disease (DM).
4. Sunitha A. A study of Neuromyelitis optica spectrum disorders in tertiary care centre in South India (DM).
5. Sateesh G. A prospective study of clinical profile and outcome of patients with acute ischemic stroke receiving intra venous thrombolysis (DM).
6. Srikanth K. A clinical study on the utility of nerve biopsy in peripheral neuropathy”. Sri Venkateswara Institute of Medical Sciences (DM).

20.2 Conferences attended, lectures delivered:

National:

Dr B. Vengamma, attended the following

1. 74th Annual Conference of the Association of Physician of India (APICON 2019) at Kochi during 7 – 10 February 2019.
2. TNSCON 2019, 3rd Annual conference of Neurosciences society at Hyderabad during 3- 4 March 2019.
3. 20th Joint Annual conference of Indian Epilepsy Association and Indian Epilepsy Society Econ 2019 at hosted by Indian epilepsy association Delhi

chapter at Hotel EROS, Delhi during 8 – 10 March 2019.

4. Conference on Headache –Amritha Harvard Programme (CHAP 2019) organised by Department of Neurology, Amritha Institute Of medical Sciences at Kochi during 15 – 17 March, 2019
5. Fine weekend Epilepsy Course 2019 at Gokulam Grand hotel organised by course directors Dr Roop Gurshani and Dr Sudhir Kothari at Bangalore during 12-14 April 2019.
6. 26th Annual Conference of AP. Neuro Scientists Association, Silver jubilee Conference of APNSA, AP NEUROCON – 2019 and Pre conference workshop on Movement disorders held at Visakhapatnam during 14 - 16 June 2019.
7. Monsoon summit 2019 International neurology Update organised by KAN (Kerala Association of Neurologists) at Kochi during 12-14 July 2019.
8. Third conference of Clinical Neurophysiology subsection of Indian Academy of Neurology (IANCNPCON 2019) Neurophysiology workshop at Jawaharlal Nehru Medical Collage, Belagavi, Karnataka during 6 – 8 September 2019.
9. 27th Annual Conference of Indian Academy of Neurology at Hyderabad international convention centre (HICC) Hyderabad during 3-6 October 2019.

Dr. B. Vengamma, Dr. Dr. R. Rakesh Reddy, Dr. P. Pranuthi, Dr.Ch.S.S. Sai Neelima, attended 10th Annual Clinical neurology workshops in “SHINE 2019 – CME on Clinical Neurology” organized by Institute of Neurology at Madras during 22 – 24 February, 2019.

Dr. S.V.Naveen Prasad, Dr. G. Sateesh attended Stroke code training programme at Madras on 31st March 2019.

Dr. B. Vengamma, delivered Guest Lectures

1. “Localization of Spinal cord Lesion” at SYNAPS 2019, Skill Based Yearly neuroclinics @Post Graduate Students Under the aegis of APNSA, Organised by Departments of Neurology and Neurosurgery at SVIMS, Tirupati, during 2-3 February 2019.

2. “Auto immune encephalitis : diagnosis and Management” in Recent advances in Neurosciences session at TNSCON 2019, 3rd Annual conference of Neurosciences society at Hyderabad during 3-4 March 2019.
3. “An practical approach to diagnosis of Multiple Sclerosis” with theme “Merging Perspectives on Multiple Sclerosis across Women Neurologist” organised by women Neurology Forum at Hyderabad on 23rd March 2019.
4. “Approach to AutoImmune Encephalitis” in How I do It Session at Annual Conference of AP. Neuro Scientists’ Association, Silver jubilee Conference of APNSA, AP NEUROCON-2019 at Visakhapatnam during 14-16 June 2019.
5. “Electrodiagnostic Evaluation of Foot drop” at Third conference of Clinical Neurophysiology subsection of Indian Academy of Neurology (IANCNPCON 2019) Neurophysiology workshop at Jawaharlal Nehru Medical Collage, Belagavi Karnataka, during 6 – 8 September, 2019.
6. “A Rational approach to Motor Fluctuations in Parkinson’s disease” at GERICON 2019, a national level conference conducted by the Department of Geriatrics CMC, Vellore under the auspices of the Indian Academy of Geriatrics on 6th December 2019
7. “Vertigo - bedside evaluation and targeted investigations” at 6th Annual conference of Pearls in Neurology at Nellore during 21-22 December 2019.

20.3 Presentation by postgraduate students:

Postgraduate students pursuing DM (Neurology) presented the following papers / posters at:

20th Joint Annual conference of Indian Epilepsy Association and Indian Epilepsy Society Econ 2019 at hosted by Indian epilepsy association Delhi chapter at Hotel EROS, Delhi, during 8-10 March 2019

1. Usha Chowdary M. 3 rare cases of progressive myoclonic epilepsy.

2. Manideep M. Two Cases Of Subacute Sclerosing Panencephalitis Clinically Presenting As Acute Disseminated Encephalomyelitis.
3. Kedar T. Infantile spasms:experience.

26th Annual Conference of AP. Neuro Scientists Association, Silver Jubilee Conference of APNSA, AP NEUROCON – 2019 and Pre conference workshop on Movement disorders held at Visakhapatnam, during 14-16 June 2019

1. Usha Chowdary. Clinical profile of multiple sclerosis in SVIMS Hospital, Tirupati – A tertiary hospital based study.
2. Manideep M. Neurophysiological criteria in diagnosis of subtypes of GB Syndrome.
3. Kedar T. Autoimmune encephalitis : Case series.

27th Annual Conference of Indian Academy of Neurology at Hyderabad international convention centre (HICC) Hyderabad during 3-6 October 2019

1. Sateesh G. Nine diseases affecting dentate nucleus.
2. Srikanth K. A case of stiff person syndrome with anti Gag 65 antibodies rare association with primary adrenaline insufficiency.
3. Sunitha A. Medication adherence and seizure control in epileptic patients – A questionnaire based study.

20.4 CME Organised

Dept.of Neurology conducted World Stroke day at SVIMS, Tirupati on 31st October 2019.

20.5 CMEs/Seminars/Workshops attended:

Dr M. Usha Chowdary, Dr T. Kedar, Dr M. Manideep, attended EEG workshop, EEG analysis and interpretation, organized by Brain and spine society and Krishna Institute of Medical sciences at Hyderabad from 23-24 November 2019.

20.6 Other academic activities of significance:

Dr B. Vengamma

Elected as President elect, Indian Epilepsy Association from April 2019 to 2021.

Attended as a MCI Inspector to carry out inspection of standard examination and other teaching facilities available at Departments of Neurology at

1. Thoothukudi Medical College, Thoothukudi, Tamilnadu on 26th March 2019, for the purpose of starting DM Neurology Course.
2. Institute of Medical Sciences, BHU, Varanasi, Uttar Pradesh of Banaras Hindu University on 25th April 2019 for the purpose of increasing seats from 3 to 7 in DM Neurology Course.
3. Meenakshi Medical College and Research Institute, Karaipettai, Enathur, Tamil Nadu, Meenakshi University, Tamilnadu on 23rd May 2019 for the purpose of increasing seats from 1 to 4 in DM Neurology Course.

Attended as Chairperson in State/ National Conferences:

1. Chairperson for CME program me in 74th Annual Conference of The Association of Physician of India APICON2019 at Kochi on 7th February 2019.
2. Clinical Case discussion Parkinsonism at 10th Annual Clinical neurology workshops in “SHINE 2019-CME on Clinical Neurology” organized by Institute of Neurology, Madras at Chennai during 22-24 February 2019.
3. Session on Clinical case discussion at TNSCON 2019, 3rd Annual Conference of Neurosciences Society during 3-4 March 2019 at Hyderabad.
4. Judge for the Award platform and Award poster session in 20th Joint Annual conference of Indian Epilepsy Association and Indian Epilepsy Society Econ 2019 at hosted by Indian Epilepsy Association Delhi Chapter at Hotel EROS at Delhi during 8-10 March 2019.
5. Session on “Women-migraine: why it is important to recognise and treat” at Conference on Headache –Amritha Harvard Programme (CHAP 2019) organised by Department of Neurology Amritha Institute of Medical Sciences, Kochi during 15-17 March 2019.

6. Session on Dr Muralidhar Oration at Annual Conference of AP. Neuro Scientists' Association, Silver jubilee Conference of APNSA, AP NEUROCON-2019 at Visakhapatnam during 14-16 June 2019.
7. Session "Demonstration workshop of Electrophysiological evaluation of upper limb & lower limb nerves, H reflex, Blink reflex and F waves at Third conference of Clinical Neurophysiology subsection of Indian Academy of Neurology (IANCNPCON 2019) Neurophysiology workshop at Jawaharlal Nehru Medical Collage Belagavi, Karnataka during 6-8 September 2019.
8. Session "Breakfast Session VII: Neurological disorders in women- Gender Issues" at Hyderabad international convention centre (HICC) Hyderabad at Annual Conference of Indian Academy of Neurology during 3-6 October 2019.
9. Judge for the Award Paper session 04:Neurogenetics:at Annual Conference of Indian Academy of Neurology at Hyderabad international convention centre (HICC) Hyderabad during 3-6 October 2019.

21.0 DEPARTMENT OF NEUROSURGERY

Professor & Head

Dr V.V. Ramesh Chandra

Faculty

Dr B.C.M. Prasad
Dr V. Niranjana

Dr K.Venkat
Dr Srikanth Talluri

Dr Paradesi Rajesh

MCh PG Senior Residents

Dr Kunal Kumar
Dr B. Nitin Manohar
Dr T. Goutham Hanu

Dr Mohana Murali Krishna N
Dr Hanuma Naik Banavath

Dr Sivakumar Reddy Komma
Dr Kalakoti Chandra Sekhar Reddy
Dr G Sreeram

21.1 Awards, achievements and felicitations

1. **Dr B C M Prasad**, gave Presidential oration at APNDSA (Andhra Pradesh Neuroscientist Association) 2019. Dr BCM Prasad, also lectured on “Cerebral aneurysm surgical nuances “at APNEUROCON 2019, Vishakhapatnam on 15th June 2019.
2. **Dr B C M Prasad**, has been a Chairperson for CME on “Movement Disorders” at SGPGI, Lucknow on 7th September 2019.
3. **Dr VV Ramesh Chandra**, was Awarded as **The Best Teacher for 2019** under Medical and Health care category by AP state government on 5th September 2019.
4. **Dr K Venkat**, attended NEST-2019 (Neuro Endovascular Surgical Training) in Aster MIMS Hospital, Calicut during 30-31 March 2019.
5. **Dr Vivek Sharma**, got **Second Prize** at Neuroquiz at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
6. **Dr Vivek Sharma**, was Winner in Zonal round – South and East Zone of Torrent **Young Scholar Award** in Neurosurgery 2019
7. **Dr T Goutham Hanu**, got **First Prize** at Neuro-Radiology Quiz at the 2nd APNSA Neuroclinics – SYNAPS 2019- SVIMS Tirupati on 2nd -3rd February 2019.

8. **Dr Kunal Kumar**, got **First Prize** in Poster Presentation at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
9. **Dr Nitin Barde**, got **First Prize** in Neuro Quiz at APNEUROCON 2019 at Vishakhapatnam on 15th June 2019.
10. **Dr Mohana Murali Krishna**, got **Second Prize** in Poster Presentation at APNEUROCON 2019 at Vishakhapatnam on 15th June 2020.

21.2 Fellowships received

Dr T Srikanth, received Fellowship for Cerebrovascular disease, Microvascular surgery, Brain Tumour Surgery in Department of Neurosurgery, Fujita Health university Bantane Hospital, Nagoya, Japan for 3 months period

21.3 Orations delivered

1. The 2nd edition of Neuroclinics called “SYNAPS 2019” under the aegis of APNSA during 2-3 February 2019.
2. The Srinivasa Neurosurgery Endowment Oration 4th annual oration by the Department of Neurosurgery, SVIMS, Tirupati was conducted on 7th November 2019. Dr.Atul Goel, Professor and HOD, Dept. of Neurosurgery, KEM Hospital, Mumbai was the invited faculty.

21.4 Research work

Thesis work

Thesis submitted

1. Rajesh P. Measurement of intraoperative intracranial pressure and cerebral perfusion pressure for predicting surgical outcome in severe traumatic brain injury (MCh). Sri Venkateswara Institute of Medical Sciences, Tirupati; 2019.
2. Vivek Sharma. A prospective study on optimal timing of cranioplasty in cases of decompressive craniectomy (MCh). Sri Venkateswara Institute of Medical Sciences, Tirupati; 2019.
3. Jagtap Rukmaji Prakash. Comparative study of open and minimally invasive lumbar fusion procedures for lumbar spondylolisthesis based on clinical outcome, muscle injury markers and imaging changes (MCh). Sri Venkateswara Institute of Medical Sciences, Tirupati; 2019.

Ongoing thesis work

1. Kunal Kumar. Prospective study of complications in neurosurgery and their impact on the health related quality of life (MCh).
2. Nitin M Barde. Study of clinical profile and outcomes in patients with supratentorial spontaneous intra cerebral hemorrhage (MCh).
3. Goutham Hanu T. Comparison between oblique lumbar interbody fusion (OLIF) and minimal invasive trans foraminal lumbar interbody fusion (MIS TLIF) for lumbar spondylolisthesis: A randomized controlled trial (MCh).
4. Mohana Murali Krishna N. A study to determine the ability of pain drawings to predict various degenerative lumbar spine pathologies and correlation with the clinical radiological findings (MCh).
5. Sreeram Gokanapudi. Root cause analysis of patients with road traffic accidents with head injury attending a tertiary care hospital at Tirupati (MCh).
6. Hanuma Naik Banavath. A Prospective study of clinical and radiological outcomes with cisternostomy in the management of traumatic brain injury (MCh).

21.5 Conferences attended & Lectures delivered

Dr B C M Prasad, Gave talk on

1. Clinical approach to CV Junction at the 2nd APNSA Neuroclinics –SYNAPS 2019- SVIMS Tirupati during 2-3 February 2019.
2. Approach to Acomm and MCA aneurysm at CARE Hospitals, Hyderabad.
3. Clinical approach to CV Junction at CME on Craniovertebral junction Disorders at CARE Hospitals, Visakhapatnam on 11th May 2019 .
4. Clinical approach to CV Junction at KIMS Hyderabad
5. Orientation programme “Path after MBBS” at Padmavathi Auditorium, SVIMS Tirupati

Dr VV Ramesh Chandra, attended the following

1. Operative steps and nuances: Surgery for acoustic schwannomas, Surgery for Cranio vertebral junction anomalies, Surgery for Spinal tumors and Surgery for Pituitary tumors at the 2nd APNSA Neuroclinics –SYNAPS 2019 at SVIMS Tirupati during 2-3 February 2019.
2. Debate: Symptomatic grade 1 L4/5 spondylolisthesis (x-ray – no dynamic instability) with lumbar canal stenosis –MIS decompression only and Endoscopic transforaminal approach: technique and complication avoidance at SGPGI minimally invasive spine workshop and annual oration at Lucknow during 21-24 February 2019.
3. Deep Brain Stimulation for Parkinsons disease: at CME on movement disorders at Kakinada on 3rd March 2019.
4. How I do It Video: OLIF at Indo-Japan Neurosurgical meeting at KIMS hospital Hyderabad on 16th March 2019.
5. Posterior only approach for severe BI and AAD:Surgical techniques and C2 Fractures at CME on Craniovertebral junction Disorders at Visakhapatnam on 11th May 2019.
6. Deep Brain Stimulation for Parkinsons disease: Complication avoidance at CME on movement disorders at Chandigarh on 26th May 2019.

7. How I do It Video: Surgery for cerebral AVM at ACNS-SWONS Operative NS workshop at Chennai during 13-14 July 2019.
8. Deep Brain Stimulation for Parkinsons disease key Neurosurgical steps: at CME on movement disorders at Nellore on 19th July 2019.
9. Selecting Fusion levels in Scoliosis at World Neurosciences Summit at Delhi on 24th August 2019.

21.6 Presentations by Postgraduate students:

Postgraduate students pursuing MCh (Neurosurgery) presented the following papers/posters at

APNEUROCON 2019 at Vishakhapatnam on 15th June 2019

1. **Vivek Sharma**. “a Study on optimal timing of cranioplasty for cases of decompressive craniectomy”, “Sellar and parasellar lesions with diagnostic dilemma-case series” and “Effect of cranioplasty: cosmetic or therapeutic?”.
2. **Rajesh P**. “Management of Isolated Fractures of the Axis in Adults treated in a tertiary care hospital in South India”, “Institutional analysis of patients of multiple intracranial aneurysms – Its Varied Presentations, management & outcome” and “Measurement of intraoperative intracranial pressure and cerebral perfusion pressure for predicting surgical outcome in severe traumatic brain injury”.
3. **Jagtap Rukmaji**. “Minimally Invasive Oblique Lateral Interbody Fusion for Spondylolisthesis: Clinical Outcomes” and “Perioperative Complications; Craniopharyngioma: Clinical presentation & outcome analysis-an Institutional 10 years experience”.
4. **Kunal Kumar**. “Endoscopic third ventriculostomy – our institutional experience” and “Pituitary macroadenoma – analytic study of symptoms, Functionality, Size, Treatment and outcome”.
5. **Nitin Barde**. “From sound to complete silence.. case series of 8 patients of Neurofibromatosis 2 “

and “Retrospective analysis of cerebral abscess : an Institutional experience”.

6. **Mohana Murali Krishna**. “Minimal Invasive surgery in Thoraco Lumbar fractures using SEXTANT and LONGITUDE system – a single centre experience” and “Vessels implicated in the genesis of Trigeminal neuralgia – Our Institutional experience”.

68th Annual conferences of the Neurological society of India and International meningioma society congress at Mumbai during 4-8 December 2019.

1. **Kunal Kumar**. “Endoscopic third ventriculostomy – our Institutional experience” and “Retrospective analytic study of cases who underwent unanticipated CSF diversion procedures after definitive treatment of primary neurosurgical pathologies not associated with CSF obstruction in pre operative stage”.
2. **Nitin Barde**. “From sound to complete silence.. case series of 8 patients of Neurofibromatosis 2” and “Retrospective analysis of cerebral abscess : an institutional experience “.
3. **Goutham Hanu**. “Clinical, Radiological profile and outcomes in the management of Spetzler-Martin Grade I-III arteriovenous malformations at a Tertiary care Institute” and “The management of Tumors of IV verticals and their outcomes: A single Institution Experiences”.
4. **Mohana Murali Krishna**. “Minimal Invasive surgery in Thoraco Lumbar fractures using SEXTANT and LONGITUDE system – a single centre experience” and “Vessels implicated in the genesis of Trigeminal neuralgia – Our Institutional experience”.
5. **Sreeram G**. “Institutional analysis of patients with tethered cord syndrome” and “Institutional analysis of patients with posterior fossa meningioma”.
6. **Hanuma Naik B**. “ACM with syrinx: management, clinical and radiological outcome analysis” and “Comparative outcome analysis of cervical OPLL management by decompressive laminectomy with and without fusion”

21.7 Publications

1. Vemula RC, Hanu G. History of Neurosurgery at Sri Venkateswara Institute of Medical Sciences, Tirupati. Neurol India 2019;67:207-17.

21.8 CMEs/Seminars/Workshops/Orations conducted by the Dept.

CME's & Work shop's:

1. The 2nd edition of NEUROCLINICS called "SYNAPS 2019" under the aegis of APNSA was conducted during 2-3 February 2019

Orations:

2. The Srinivasa Neurosurgery Endowment Oration 4th annual oration was conducted on 07.11.2019 by

the Department of Neurosurgery, SVIMS, Tirupati. Dr.Atul Goel, Professor and HOD, Dept. of Neurosurgery, KEM Hospital, Mumbai was the invited faculty.

21.9 CMEs/Seminars/Workshops attended:

Dr BCM Prasad, Dr VV Ramesh Chandra, Dr V. Niranjan, Dr K. Venkat, Dr T. Srikanth, Dr P. Rajesh, Dr Vivek Sharma, Dr Jagtap Rukmaji. Dr Goutam Hanu, Dr Kunal kumar, Dr Nitin Barde, Dr Hanuma Naik, Dr Mohana Murali Krishna, Dr G Sreeram, attended the 2nd edition of NEUROCLINICS called "SYNAPS 2019" under the aegis of APNSA during 2-3 February 2019.

22.0 DEPARTMENT OF NUCLEAR MEDICINE

Professor & Head

Dr T.C. Kalawat

Faculty

Dr Ranadheer Gupta Mantri

Dr Ramya Priya R

Dr V. Sai Krishna Mohan

Senior Residents

Dr LCN Durga Praveen

Dr S. Muneendra Kumar

MD PG Junior Residents

Dr Singareddy Chandra Teja Reddy

Dr D.S. Hemalatha

Dr Valaiyapathy NC

Dr Jeepalem Sai Moulika

Dr Nimmagadda Ajit

Dr Sankari Kommi

Dr K B Sricharan

Dr K Sai Krishnaja

Dr C.H. Srikanth

Dr T Medara Suma

22.1 Awards, Achievements and Felicitations

Dr. T.C. Kalawat, Professor & Head of the Department was honoured with Brigadier S.K. Mazumdar Memorial Oration Award for his dedicated career, contribution to clinical Nuclear Medicine practices, teaching and training on 13th December 2019 at the 51st Annual Conference of Society of Nuclear Medicine (I) at Tata Memorial Hospital, Mumbai.

M.D. Nuclear Medicine 2018 batch student, received **1st prize** for oral Paper presentation on “Association of ^{99m}TcSestamibi Stress myocardial perfusion scintigraphy with Dukes tread mill score for Risk stratification in patients with coronary artery disease” in the 12th Biennial Conference of Nuclear Cardiological Society of India (NCSI) National Conference, Chennai, during 5-6 October 2019

22.2 Research Work

Thesis submitted

1. Chandra Teja Reddy S. Utility of 18 F-FDG PET/CT in management of Pancreatic and periampullary masses. (MD).
2. Sai Moulika, J. Role of 99mTC SESTAMIBI Scintimammography in predicting the response in treatment naïve, biopsy proven patients with locally advanced breast cancer (MD).

3. Sricharan, K.B. Role of F-18 FDG PET-CT in characterizing solid renal mass lesions and treatment planning (MD).

Ongoing thesis work

1. **Nimmagadda Ajit**. Utility of 99mTc-Sulfur Colloid Labeled meal Gastric Emptying Study for evaluation of Gastro paresis in diabetic patients (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Dhamarcharla S. Hemalatha**. Utility of 99m-Tc-MDP blood SPECT in early detection of inflammation in arthritis and arthralgia (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Kanala Saikrishnaja**. Utility of ¹⁷⁷-Lutetium Ethylene Diamine Tetra Methylene Phosphonate in metastatic bone pain palliation therapy (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. **Tammineni Medarmetla Suma**. Utility of ^{99m}Tc-Sestamibi Stress myocardial perfusion scintigraphy in evaluation of coronary artery disease and it's association with Dukes treadmill score for risk stratification (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

22.3 Conferences attended, lectures delivered

Dr T.C. Kalawat, attended the following

1. 106th Indian Science Congress Conference and delivered a guest lecture on “Application of Nuclear Medicine Imaging in SVIMS-A tertiary care hospital in South India” at Lovely Professional University, Phagwara, Jalandhar during 3-7 January 2019.
2. 51st Annual Conference of Society of Nuclear Medicine (I) at Tata Memorial Hospital, Mumbai, presented a poster on an abstract titled “To study the utility of dual point 18 F-FDG PET-CT in management of locally advanced carcinoma of Cervix” in SNM (India) Conference during 12-15 December 2019.

Dr Ranadheer Gupta Mantri, attended the following

1. 2nd World Congress on Cardiac Imaging and Clinical Cardiology-2019 Conference and delivered a lecture on “Transient ischaemic dilatation and its importance in interpretation of Myocardial Perfusion Study” at Hotel JW Marriott Mumbai Sahar, Andheri, Mumbai during 22-24 February 2019.
2. 3rd Annual Conference of Association of Radiation Oncologists of India, A.P Chapter as delegate, held at Vijayawada Club, Vijayawada during 2-3 February 2019.

Dr V. Sai Krishna mohan, attended the 12th Biennial Conference of Nuclear Cardiological Society of India (NCSI) National conference at MIOT International, Chennai and delivered a Guest Lecture on “Imaging a patient with acute chest pain” during 5-6 October 2019.

22.4 Presentations by Postgraduate students

Post graduate students pursuing MD (Nuclear Medicine) presented the following papers/Posters at:

17th Annual Conference of Association of Nuclear Medicine Physician of India (ANMPICON-2019) at Pune during 20-22 September 2019

1. Ajit N. Reverse perfusion pattern with ^{99m}Tc

Myocardial Perfusion Scintigraphy-Clinical Utility.

12th Biennial Conference of Nuclear Cardiological Society of India (NCSI) National conference at MIOT International, Chennai during 5-6 October 2019.

1. Suma TD. Association of ^{99m}Tc Sestamibi Stress myocardial perfusion scintigraphy with dukes treadmill score for Risk stratification in patients with coronary artery disease.

Annual Conference of Southern Chapter, Society of Nuclear Medicine (I), Calicut during 2-3 November 2019.

1. Sricharan KB. A pilot study using normalized residual activity (NORA): A technique to minimize the renogram scan time in infants and children.

SNMICON-2019 51st Annual Conference of the Society of Nuclear Medicine during 12-15 December 2019.

1. Saikrishnaja. 18F FDG PET CT based evaluation of brain parenchymal involvement in patients with corticobasal degeneration.
2. Suma TM. Role of dual point 18F FDG PET/CT in the initial staging and management of locally advanced carcinoma cervix.

22.5 Publications

1. Aruna M, Suguna E, Krishna Reddy M H, Anil Kumar C V, Lakshmi B S, Chandra V S, Praveen N, Ranadheer M, Kalawat T C, Ram R, Prayag A, Sadasivaiah S, Kumar V S. A 21-year-old man, with ichthyosis, parotid swelling acute kidney injury. J Clin Sci Res 2018;7:86-93.
2. Manthri RG, Ajit N, Vaikakkara S, Devi B V, Kalawat T. Unilateral Graves' disease: The lesser known. Indian J Nucl Med 2019;34:96-8.
3. Manthri RG, Jeepalem SM, Krishna Mohan V S, Bhargavi D, Hulikal N, Kalawat T. Metachronous second primary malignancies in known breast cancer patients on 18F-fluoro-2-deoxyglucose positron emission tomography-computerized tomography in a tertiary care Center. Indian J Nucl

Med 2019;34(4):284-9.

Case Reports

1. Aka S, Moulika SJ, Mohan KV, Priya RR, Manthri R, Kalawat TC: Gall Bladder Activity on Technetium-99m-Ethylendicysteine Renogram Masquerading as Ectopic Kidney. Indian J Nucl Med 2019;34:57-9.
2. Krishnaja K.S, Rallapeta RP, Shaik M, Manthri R, Vaikkakara S, Kalawat TC. Papillary carcinoma thyroid metastases presenting as thyrotoxicosis post thyroidectomy. Indian J Nucl Med 2019; 34:134-36.
3. Medara ST, Manthri RG, VS Krishnamohan, Shaik M, Kalawat TC: F-18 fluorodeoxyglucose positron emission tomography/computed tomography in the evaluation of intra-diploic-epidermoid cyst. Indian J Nucl Med 2019;34:51-3.
4. Teja Reddy SC, Reddy VV, Bhargavi D, Deepthi B, Tammineni S, Manthri R, Kalawat T: Synchronous pancreatic solid pseudo papillary neoplasm masquerading as extra lymphatic involvement on ¹⁸F-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography in a case of Hodgkin's Lymphoma. Indian J Nucl Med 2019; 34:309-12.
5. Nimmagadda A, Mohan KV, Manthri R, Kalawat TC. Unusual Metastases in Papillary Microcarcinoma of Thyroid. Indian J Nucl Med 2019; 34:32-4.

Accepted for publication:

1. Ramyapriya Rallapeta, Ranadheer Gupta Manthri, Tekchand Kalawat, Alok Sachan, Lakshmi AY, Narendra Hulikal. Utility of short acting intravenous insulin therapy in preparation of F-18 Fluorodeoxyglucose Positron Emission Tomography Computed Tomography scan in cancer patients incidentally detected with high blood glucose levels on the day of test. Indian J Nucl Med.
2. Ranadheer Gupta M, Comparison of automatic depth correction Vs. Manual depth correction in the calculation of Glomerular filtration rate in Gates renal processing of Diethylenetriamine pentaacetic acid renogram in prospective renal donors. Indian

J of Organ Transplantation.

Publications under Review:

1. **Sricharan KB**, Amruthalakshmi R, Krishnamohan VS, Ranadheer Gupta M, Chandana G, Mutheeswaraiyah Yootla, Kalawat TC: A case of predominantly chief cell parathyroid adenoma showing early washout of 99m Tc- MIBI Detected by SPECT-CT". (*Case Report: Under Review in Journal of Clinical and Scientific Research*).
2. **Chandrateja S**, Ranadheer Gupta M, Krishnamohan VS, Sricharan KB, Narendra H, Kalawat TC: "Incremental value of post high dose therapy I-131 Scan over pretherapy diagnostic I-131Scan in patients with differentiated thyroid cancer: Experience from tertiary care center in South India". (*Original article: Under Review in - Journal of Clinical and Scientific Research*).
3. **Hemalatha DS**. Metabolically quiescent Paraganglioma in a case of carcinoma cervix (*Case Report under review in J Clinand Sci. Res.*).

22.6 CME conducted by the Dept.

Dept. of Radiology and Dept. of Nuclear Medicine jointly conducted a CME on "Imaging in Musculoskeletal Sports Injuries" at SVIMS, Tirupati on 7th December 2019.

Dr R.Ramyapriya, delivered a lecture on "Bone scan in Sports Injuries" and also two guests from Sree Ramachandra Medical College, Porur, Chennai, Dr. P.M. VenkataSai, Professor & HoD, Dept. of Radiology delivered guest lectures on "Musculoskeletal Ultrasound in clinical practice and interesting cases" and "Ultrasound evaluation of Sports injuries" followed by Dr. Prabhu Radhan, Associate Professor, Dept. of Radiology, on "Common mistakes in knee injuries".

22.7 Other academic activities

Dr. T.C. Kalawat,

1. Served as Registrar, SVIMS during November-2016 to July-2019.
2. External Examiner duty for MD, Nuclear Medicine Practical examinations at TATA Memorial Hospital, Mumbai.

Dr Suma TM

1. Dr S.Muneendrakumar, MD Nuclear Medicine 2016 Batch student qualified in the Examination conducted by A.E.R.B, Mumbai as RSO-II in the month of December-2019.

23.0 DEPARTMENT OF OBSTETRICS & GYNECOLOGY

Associate Professor & Head i/c

Dr K. Vanaja

Faculty

Dr J.Malathi
Dr M. Usha Brindhini

Dr C. Manju Yadav
Dr V. Himabindu

Dr Pravallika Sudharani R
Dr Akila B

Senior Residents

Dr.S.Ayesha

Junior Residents

Dr P.Rehana

23.1 CME conducted by the dept.

CME conducted on “UTI IN PREGNANCY”,
Speaker:Dr.J.Malathi, Associate Professor in
Collabroration with Nephrology, Urology
departments on 1st June 2019.

23.2 Awards/Honors/Oration:

1. Dr Akila B, Associate Professor had a paper presentation at YUVA 3rd conference in Surat.
2. Dr J.Malathi, Dr.Akila B, both had a Faculty talk each in Conference, Horizon 2019 at Thrissur.

24.0 DEPARTMENT OF OPHTHALMOLOGY

Assistant Professor & Head

Dr P. Prabhanjan Kumar

Faculty

Dr B. Keerthi

25.0 DEPARTMENT OF OTORHINOLARYNGOLOGY

Associate Professor & Head i/c

Dr S.B. Amarnath

Faculty

Dr V.Venkateswarlu

Dr P. Bhanu Pradeep

Senior Residents

Dr.V.Ravindranath Tagore

25.1 Conference attended, Lectures delivered

Dr S.B.Amarnath, attended the following

1. “ASIA OCEANA” conference held at Hyderabad during 9-13 January 2019.
2. “38th AP State Conference” at Anantapur during 13-15 September 2019.
3. PG Academic workshop at ENTIRE PG ACADEMIA-I -2019 and delivered a guest lecture on “CT Temporal Bone” at Narayana Medical College, Nellore during 26-27 January 2019.

Dr V.Venkateswarlu, attended conference “Asia – Oceania -2019 ORL HNS Congress & 7th Annual Conference of the Association of Otolaryngologists of India” at Hyderabad during 9-13 January 2019.

25.2 Publications

1. Amarnath SB, Kumar PS. Study of variants of anterior ethmoidal artery on computed tomography of paranasal sinuses. Int J Otorhinolaryngol Head Neck Surg 2019;5:19-23.

25.3 CMEs/Seminars/ Workshops attended

Dr S.B.Amarnath, attended the workshop of following

1. Facial Nerve and Cholesteatoma at Bangalore during 8-10 March 2019.
2. Entire Basic at Nandyal, during 20-21 July 2019.
3. Phonosurgeries at Guntur on 28th July 2019.

Dr V.Venkateswarlu, participated in a CME on “Antimicrobial Stewardship” at SVIMS during 28 September 2019.

25.4 Other activities

Dr S.B.Amarnath, attended as External Examiner at

1. Final M.B.B.S part-I ENT student at MVJ College, Bangalore during 3-6 January 2019
2. Final M.B.B.S part-I ENT student at Narayana Medical College, Nellore during 24-27 February 2019.

Dr V.Venkateswarlu, presented Research article entitled “Nasopharyngeal Angiofibroma” at SVIMS on 22nd June 2019.

26.0 DEPARTMENT OF PAEDIATRICS

Associate Professor & Head i/c

Dr Punith Patak Nagaram

Faculty

Dr Pala Padmavathi

Dr P.Sudha Priya

Junior Resident

Dr Ram Krishna

26.1 Conference attended, Lectures delivered-

Dr N.Punith Patak, Associate Professor, Delivered Lectures on

1. Paediatric Life Support in the CME on CPR by CPRA committee at SVIMS on 23rd December 2019.
2. Updated Paediatric Tuberculosis guideline in the CME on tuberculosis update by Medicine Department conducted in collaboration with District RNTCP on 3rd August 2019.

26.2 Publications

1. Dr P.Sudha Priya, Dr.Rinu Dwivedi "Anthropometric Measurements –A study on Option for identification of small babies in need of extra care – Paediatric Review: IJPR 2019;6:1.
2. Dwivedi R, Priya PS, Padmavathi P. A clinical study of new onset seizures in children aged 3-12 years. Int J Contemp Pediatr 2019;6:774-80.
3. Dwivedi R, Sudhapriya P, Padmavathi P, Sharma V, Ramesh chandra VV, Prasad BCM, et al. Epidemiological analysis of central nervous system tumors in pediatric patients from a tertiary care centre in India. Int J Contemp Pediatr 2019;6:2697-703.

26.3 CMEs/Seminars/ Workshops attended

Dr N. Punith Patak, attended the following:

1. Workshop on "Cystic fibrosis" at Christian Medical College, Vellore on 5th January 2019
2. Workshop on Revised Basic course workshop at SVIMS, Sri Padmavathi Medical College for Women during 24-26 June 2019.
3. Workshop on "Curriculum implementation support program held at SVIMS, Sri Padmavathi Medical College for Women during 27-29 June 2019.

4. Orientation workshop at SUN conference on simulation in Medical education at St.John's Medical College, Bangalore during 7-8 September 2019.

5. CME" Reflection based simulation as an educational tool to improve learning and patient safety (Train the trainer) by SAFER simulation centre, Norway at Bangalore on 3rd June 2019.

Dr P.Padamavathi, attended CME on "Updated Paediatric Tuberculosis guideline in the CME on tuberculosis update by Medicine Department" conducted in collaboration with District RNTCP on 3rd August 2019.

Dr P.Sudha Priya, attended the following

1. CME on "Continuing Medical Education Programme" at Rainbow Children's Hospital, Chennai on 7th June 2019.
2. CME on "Updated Paediatric Tuberculosis guideline in the CME on tuberculosis update by Medicine Department" conducted in collaboration with District RNTCP on 3rd August 2019.

26.4 Other academic activities

Dr N.PunithPatak, was External Examiner for

1. Final M.B.B.S part-I Paediatrics at A.C.S.R.Government at Nellore during 17-19 February 2019.
2. Final MBBS part-I Paediatrics at Narayana Medical College, Nellore during 20- 22 February 2019.
3. Final M.B.B.S part-I Paediatrics at Stanley Medical College at Chennai during 23-25 February 2019.
4. Worked as a instructor for multiple sessions of BLS and ACLS course conducted in AHA-ITC's ; SVIMS.

Dr P.Padmavathi, attended for Final M.B.B.S part-I Paediatrics at Narayana Medical College, Nellore during 20-22 February 2019.

27.0 DEPARTMENT OF PATHOLOGY

Professor & Head
Dr N.Rukmangadha

Dr Aruna Kumari Prayaga	Dr Sivakumar Vulava	Dr A. Sreelekha
Dr B.V. Phaneendra	Dr B. Deepthi	Dr G. Sai Chandana
Dr Amit Kumar Chowhan	Dr M. Alekhya	

Senior Residents

Dr Pabbu Architha	Dr Udayagiri Divya Sree
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Tutors

Dr Burada Soumia	Dr G Swyritha	Dr Gopinath Reddy V
Dr Krishna Chaithanya E	Dr Varaprasad K.G.	Dr B. Swathi

27.1 Research Project

Ongoing research projects

1. **Principal Investigator:** Dr N.Rukmangadha. **Title:** Study of extranodal Non-Hodgkin's lymphomas using immunohistochemistry-A retrospective study in a tertiary care centre.
2. **Principal Investigator:** Dr Amit Kumar Chowhan. **Title:** Usefulness of Dual-staining with ̑-Methylacyl CoA racemase (AMACR/P504S) & p63 Cocktail for the Detection of Prostate Carcinoma. **Funding Agency:** SBAVP, SVIMS.
3. **Principal Investigator:** Dr Amit Kumar Chowhan. **Title:** Profile of Primary Paediatric Brain and Spinal Cord Lesions from a Tertiary Care Hospital in South India.

27.2 Research work

Thesis work

Theses submitted

1. **Soumia B.** Study of KRAS, MLH₁, MSH2, & MSH6 in colorectal adenocarcinoma using immunohistochemistry (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Krishna Chaitanya E.** Molecular Characterization of Malignant Epithelial Ovarian Tumours with the

help of IHC markers KRAS, BRAF, PTEN, PIK3CA & P53 (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. **Swyritha.** Study of HER₂ in Colorectal Adenocarcinoma by using immunohistochemistry (MD).
2. **Varaprasad.** Profile of Primary Paediatric Brain and Spinal Cord Lesions from a Tertiary Care Hospital in South India (MD).

Thesis work done in collaboration with other departments

Theses submitted

Dr Amit Kumar Chowhan, was Co-guide for the following theses

1. Lavanya S. Internal Medicine Resident: Utility of Hess Test (Tourniquet Test) and leucopenia in differentiating dengue from other acute undifferentiated fever (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Hemsai K. Internal Medicine Resident: Clinical, Haematological and Etiological Profile of Macrocytic Anaemia (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

3. Chandra Teja Reddy S. Utility of 1F-FDG PET/CT in Management of Pancreatic and Periapillary Masses (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

27.3 Conference attended, lectures delivered

Dr N.Rukmangadha, attended the 14th Annual conference & International CME of Indian Society of Renal Transplantation Pathology (ISRTPCON)-2019 at Lucknow during 11-13 October 2019.

Dr Amit Kumar Chowhan, attended the following

1. 4th Annual Conference of Neuropathology Society of India (NPSICON 2019) and presented poster on 'Profile of Primary CNS Tumours' at PGIMER, Chandigarh, during 15-17 February 2019.
2. Served as Resource Faculty in the 'Curriculum Implementation Support Program' at SVIMS-SPMC(W), Tirupati during 27-29 June 2019.

Dr V.Siva Kumar, attended the 24th Indian College of Pathologist Association of Indian Pathologist of North America at AIIMS, Bhopal during 1-3 February 2019.

Dr B.Deepthi, attended the following

1. 49th Annual conference of Indian Academy of Cytologists- CYTOCON 2019 at PGIMER, Chandigarh during 7-10 November 2019.
2. Neuropathology Observership at NIMHANS, Bangalore during 2-15 August 2019.
3. Speaker of CME- "Recent advances in grading of prostatic Adenocarcinoma" at SVIMS, Tirupati on 5th January 2019.

Dr A.Sreelekha and Dr G.Sai Chandana, attended the CME on "A panoptic breast pathology update" at TMH, Mumbai during 27-29 September 2019.

Dr A.Sreelekha, attended the 14th Annual conference of the Indian society of colposcopy and cervical pathology; Presented 2 interesting cases of cervical tumours on 19th April 2019 and Updates in uropathology during 20-21 April 2019.

Dr E.Krishna Chaithanya, Dr B.Soumia, Dr G.Swyritha, Dr Varaprasad K.G, Dr B.Swathi,

Dr Gopinath Reddy, attended IAPM APCON at Siddhartha Medical College, Vijayawada during 13-15 September 2019.

27.4 Presentation by Postgraduate students

1. Soumia. Study of KRAS, MLH₁, MSH₂ & MSH₆ in colorectal adenocarcinoma using immunohistochemistry at IAPM state chapter 2019 conference at Vijayawada during 13-15 September 2019.
2. Swathi B. Solid pseudopapillary neoplasm of pancreas metastasis to an unusual site.

27.5 Publications

1. Archita Pabbu, Rukmangadha Nandyala, Amit kumar Chowhan Aruna Kumari Prayaga. Study of immunohistochemical profile of nodal Non-Hodgkin Lymphoma in a tertiary care centre. Int J Sci Res 2019; 8(4):68-72.
2. Badiginchala Suguna, Amit Kumar Chowhan, Rukmangadha Nandyala, Prasad C M Bodapati, Aruna Kumari Prayaga. Utility of Squash Cytology in Diagnosing CNS Lesions. Int J Sci Res 2019;8:1-5.
3. Deepthi B, Kumari Prayaga A. Clinicopathological and immunohistochemical study of gastrointestinal stromal tumours: A series of 46 cases from a single institution. Indian J Pathol Oncol 2019;6(4):658-70.

Indexed Journals

Articles Reviewed for Journals: Total: 12 articles.

PubMed Indexed International Journals

1. African Health Sciences : 1 Article
2. Neurosciences: 1 Article

PubMed Indexed National Journals

1. Journal of Cytology(JOC): 8 Articles
2. Other Indexed International Journals
3. Annals of African Surgery: 1 Article
4. Other Indexed Indian Journals

5. Journal of Clinical & Scientific Research: 1 Article
6. Annual Function of SVIMS: Published an article in Institute Annual Magazine "Aakanksha" on 'Word of the Year 2018 – 'Toxic' in February 2019.

27.6 CMEs/Orations conducted by the Dept.

1. CME on "Role of urine analysis in current clinical practice" on 6th July 2019.
2. Oration on "Establishment of renal pathology lab for a public sector tertiary care organization" by Dr Aruna Vanikar on 6th July 2019.

27.7 CMEs attended

Dr N.Rukmangadha, attended the following

1. Medical Laboratory-Internal Audit & Quality Management System organized by Department of Biochemistry & Medical Education, Karpaga Vinayaga Institute of Medical Sciences, Maduranthagam in association with with learning point (MELAP) at New Delhi during 30th April 2019- 3rd May 2019.
2. CME on antimicrobial stewardship organized by the Department of Microbiology, SVIMS, Tirupati on 28th September 2019.

Dr Amit Kumar Chowhan participated in the 'Curriculum Implementation Support Program' at CMC, Vellore during 12-14 March 2019.

Dr V.Siva Kumar, attended the following

1. CME on Antimicrobial stewardship conducted by Department of Microbiology SVIMS on 28th September 2019.
2. Revised Basic Course Workshop and Curriculum Implementation Support Programme(CISP) conducted by medical education unit SVIMS during 24-29 June 2019.

Dr G.Sai Chandana, attended the CME on State – 4th APCON 2019- IAPM state chapter and presented slide seminar at Siddhartha Medical College, Vijayawada during 13-15 September 2019.

27.8 Other academic activities

Dr N.Rukmangadha, attended as

1. **Internal examiner for** II MBBS during 18-21 January 2019.
2. **External examiner for:**
 - a. IInd MBBS examination at:-
 - i. JIPMER, Pondicherry from January 1st - 3rd 2019
 - ii. Madras Medical College, Chennai, from February 25th - 28th 2019.
 - iii. Sri Ramachandra Medical College & Research Institute, Chennai during 2-6 March 2019.
 - b. Sri Venkateswara Medical College, Tirupati during 10-14 March 2019.
 - c. JIPMER, Pondicherry during 27-28 May 2019.
 - d. MD pathology examiner at MMC during 29-30 May 2019 for 6 students.

Dr Aruna Kumari Chowhan, attended as

1. NAAC peer team visit as member Co-ordinator to IIHMR University, Jaipur during 27-29 June 2019.
2. Ph.D thesis examiner to PIGMER on 7th September 2019.

Dr Amit Kumar Chowhan, attended as External Examiner

1. II MBBS University Exam at Coimbatore Medical College, Coimbatore during 2-4 March 2019.
2. II MBBS University Exam at Maharaja Institute of Medical Sciences, Vizianagram during 8-10 March 2019.
3. MD University Exam at Institute of Medical Sciences & SUM Hospital, Bhubaneswar during 4-5 April 2019.

Dr V.Sivakumar, attended Training program on NABL entry level organised by consortium of accredited health care organisations INDIA (CAHO) at Mehta Multispeciality hospitals India Pvt Ltd Chennai on 25th August 2019.

28.0 DEPARTMENT OF PHARMACOLOGY

Professor & Head

Dr K. Umamaheswara Rao

Faculty

Dr K.R. Subash
Dr K. Vijaya Chandra Reddy

Dr G. Bhanu Prakash
Dr C. Pallavi

Tutor

Mr.K. Manjunath

Pharmacovigilance Associate

Dr U. Jhansi Rani

28.1 Research Projects

Research projects completed

Dr K.R. Subash, as Principal Investigator:

1. **Title:** Computational analysis and *insilico* drug optimization of non selective beta blockers on beta-3 adrenergic receptors. **Funding agency:** ICMR-STs Project.
2. **Title:** In *silico* molecular properties prediction of compounds from *carica papaya* leaf extract.

Ongoing Research Projects

1. **Principal Investigator:** Dr K.R.Subash. **Title:**Toxicity and ADME profiling of Methylglyoxal and dihydroxyacetone possible lead compounds from Manuka Honey used in superficial wound dressing.
2. **Principal Investigator:** Dr. Vijaya Chandra Reddy Konda. **Title:** Effect of 'Heartfulness' Meditation Practices in Hypertensive Patients. **Funding Agency:** SBAVP, SVIMS.

28.2 Conferences attended, lectures delivered

Dr K. Umamaheswara Rao, attended the AP Pharmacologists Society First State conference - 2019 on "Pharmacology in Public Health Perspective" at SMC, Vijayawada during 6-7 September 2019.

28.3 Guest Lectures/ Orations delivered

Dr K.R.Subash, attended the following

1. Gave evening guest lecture Series on "Antibiotics in Dental Practice" at Krishna Teja Dental college, Tirupati during 27th November- 3rd December 2019.
2. World's First Symposium on "Role of Meditation in Prevention and Treatment of Cardiovascular Diseases" and presented a poster on "Emotional States of Depression, Anxiety and Stress in Hypertensive Patients Attending to Cardiology Out-patient Department in a Tertiary Care Hospital" at All India Institute of Medical Sciences, Rishikesh during 9-10 March 2019.
3. International Conference on "Elevating Consciousness Through Meditation for Global Harmony" at Indian Institute of Management, Bengaluru during 1-3 August 2019.

Dr G. Bhanu Prakash, attended the following

1. APESICON 2019 and delivered a guest lecture on "Pharmacotherapy of Obesity" in organized by the dept. of Biochemistry, Pharmacology & Endocrinology, SVIMS on 17th March 2019.
2. Antimicrobial Stewardship CME and delivered a guest lecture on "Optimization of Antimicrobial Therapy using PK & PD" organized at SVIMS, Tirupati on 28th September 2019.

28.4 Publications

1. Vijaya Chandra Reddy Konda, Sree Surya Durga Devi Pilla, Surekha A, Subash KR, Umamaheswara Rao K. Analysis of spontaneously reported cutaneous adverse drug reactions in a tertiary care teaching hospital in South India. Int J Basic Clin Pharmacol 2019; 8:27-33.

2. Aravind Patil, Vijaya Chandra Reddy Konda. Dose-dependent analgesic activity of mexiletine on thermally induced pain in rats. Int J Basic ClinPharmacol 2019;8:90-4.

28.5 CMEs/Seminars Workshops/Orations conducted by the dept.

1. A CME on “Pharmacotherapy of Obesity” was organized by Pharmacology in association with the dept. of Biochemistry & Endocrinology, SVIMS on 17th March 2019.
2. Workshop for Pharm-D students on “Pharmacovigilance and Reporting of Adverse drug Reactions” on 23rd November 2019.

28.6 CMEs/Seminars/Workshops attended

Dr K. Umamaheswara Rao, Dr K.R. Subash, Dr K.Vijaya Chandra Reddy, Dr G. Bhanu Prakash, attended “MCI Revised Basic Workshop in Medical Education Technologies” at SVIMS-SPMC (W) during 24-26 June 2019.

Dr K. Umamaheswara Rao, Dr K.R. Subash, Dr K.Vijaya Chandra Reddy, Dr G. Bhanu Prakash, attended MCI-Curriculum Implementation Support Program held at SVIMS-SPMC(W) during 27- 29 June 2019.

Dr K. Umamaheswara Rao, Dr K.Vijaya Chandra Reddy, Dr G. Bhanu Prakash, attended CME on “Antimicrobial Stewardship” that was organized at SVIMS, Tirupati on 28th September 2019.

Dr K. Umamaheswara Rao, attended the 4th Balaji Cardiology Endowment Oration organized by Dept. of Cardiology, SVIMS on 19th December 2019.

Dr K.R. Subash, was a Resource person in conducting the Workshop of the PVPI-IPC National Coordination centre on “Pharmacovigilance and Reporting of Adverse Drug Reactions” at SVIMS-SPMC(W) during 23rd November 2019

Dr K.Vijaya Chandra Reddy, Dr G. Bhanu Prakash, Dr. C. Pallavi, attended workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ and presented on ‘Pharmacovigilance – An Overview and Current Status’, organized by Adverse Drug Reaction Monitoring Centre,

Department of Pharmacology, SVIMS, SPMC(W), Tirupati in collaboration with National Coordination Centre, Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt. of India on 23rd November 2019.

Dr K.R. Subash, Dr G. Bhanu Prakash, attended CME on Ophthalmology update for general practitioners at Sri Venkateswara Aravind eye hospital on 15th December 2019.

Dr K.Vijaya Chandra Reddy, attended the following

1. Short Course on Statistical Methods in Measuring Health: Scales and Measurements organized by Dept. of Biostatistics, Christian Medical College, Vellore during 18-20 March 2019.
2. 3rd National Hands on Workshop on “Pharmacogenomics: Basics to Advanced” conducted by Experimental Pharmacology Laboratory, PGIMER, Chandigarh during 4-6 November 2019.
3. Workshop on “Research Methodology in Pharmacogenomics” (Module – 1 of JIPMER Integrated Pharmacogenomics Program 2019) jointly organized by Department of Pharmacology & Biostatistics, JIPMER, Puducherry during 18-19 November 2019.
4. Participated in the International Seminar on “Present Challenges and Futuristic Scope of Pharmacovigilance and Clinical Trials in India and USA” and delivered a talk on “Pharmacovigilance – Current Challenges and Future Options” organized by Seven Hills College of Pharmacy on 30th November 2019.

Dr G. Bhanu Prakash, attended the following

1. Training on “Implementation of NABH Pre-Accredited entry level certification standards in Hospitals / Health care organizations” by CAHO at SVIMS during 9-11 August 2019.
2. CME on “Recent advances in Pharmaceutical Sciences & New Frontiers” at Sree Vidyanikethan College of Pharmacy, Tirupathi on 14th November 2019.

3. Workshop on “RNTCP updated Pediatric TB guidelines, 2019” at Hotel Bliss, Tirupathi organized by IMA & IAP & RNTCP on 29th December 2019.

28.7 Other academic activities

Dr K. Umamaheswara Rao, was Organizing Chairman of the workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ conducted by Adverse Drug Reaction Monitoring Centre and Department of Pharmacology on 23rd November 2019.

Dr K.R. Subash, as

1. Member Secretary IAEC [SVIMS-SPMC(W)] successfully conducted Annual Meeting with 3 research projects proposed and approved by IAEC for SVIMS university PhD and Faculty research.
2. External Examiner MBBS UG Examination in PGIMSR & ESI Medical College 27th February to 3rd March 2019, 11-14 March 2019 in Dr NTR University, KNRUHS University, Telangana at Bharath University, Pondicherry during 14-19 February 2019.
3. Judge for Elocution competition on World AIDS Day organized by department of Social & Preventive Medicine at SPMC(W), Tirupati on 2nd December 2019.

Dr K.Vijaya Chandra Reddy, as

1. The external examiner for the conduct of Pharmacology practical examinations for MBBS course of Bharath University (Deemed) at Sri Lakshmi Narayana Institute of Medical Sciences, Puducherry.
2. Cleared the Pre-Ph.D examination that was conducted in September 2019 as part of the Ph.D program enrolled in academic year 2018-19.
3. Organizing secretary for the workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ conducted by Adverse Drug Reaction Monitoring Centre, Department of Pharmacology, SVIMS on 23rd November 2019.

Dr G. Bhanu Prakash

1. Involved in the certificate verification during various student admissions for 2019-20 academic year.
2. Done Prescription audit of both out-patients & in-patients on Tuesdays every month in 2018 for improving Prescription practices in SVIMS.
3. Judge for Elocution competition on the eve of 58th National Pharmacy Week- 2019 in association with Indian Pharmaceutical association-Tirupati chapter on 13th December 2019.

Dr C.Pallavi

1. Obtained additional qualification in family medicine distance course M.Med Family Medicine from CMC Vellore, affiliated under Dr. MGR University, TamilNadu.
2. Done Prescription audit of both out-patients & in-patients on every Monday through 2018 & 2019 for improving Prescription practices and medication safety in SVIMS.

Pharm - D training programme:

Department of Pharmacology train PharmD students of three pharmacy colleges. As per their curriculum, Pharmacology faculty review the performance of PharmD students every week and encourages them in reporting ADRs, medication errors and in patient counselling so as to improve patient safety. In association with clinical departments, Department of Pharmacology assigns and guides in completing PharmD projects of following colleges students

1. Sree Vidyanikethan College of Pharmacy
2. Seven Hills College of Pharmacy
3. Krishna Teja Pharmacy College

Clinical Pharmacology:

1. Department of Pharmacology is actively involved in the preparation of Management of Medication (MOM) policy documents, SVIMS Pharmacy manual and see that all the standards are implemented in all the functioning areas of the SVIMS & SPMCW Hospital.

2. For effective implementation of MOM standards so as to get full NABH accreditation, MOM chapters have been redistributed among Pharmacology faculty as follows:

S.No.	Name of the faculty	MOM Chapters
01	Dr. K. Umamaheswara Rao	1,2,3
02	Dr. K.R. Subash	4,5,6
03	Dr. K. Vijaya Chandra Reddy	7,8,9
04	Dr. G. Bhanu Prakash	10,11
05	Dr. C. Pallavi	12,13

3. Activities include:

- a. Pharmacology faculty once in three months visit all the Pharmacy stores at SVIMS & SPMCW Hospital and advice the conditions that are required for the appropriate medication storage.

- b. Pharmacology faculty conduct inspections of all operation theatres & recovery rooms, Cath-lab, ICUs and all the wards in SVIMS & SPMCW Hospital to look and improve the difficulties faced in implementation of the NABH standards.

Regular clinical rounds will be done by Clinical Pharmacist to check crash carts, administrative and prescription errors, patient counseling, adverse drug reactions monitoring and medication safety.

29.0 DEPARTMENT OF PHYSIOLOGY

Professor & Head

Dr Sharan B Singh M

Faculty

Dr N.Sharvani
Dr Arpana Bhide

Dr G. Sunil Naik
Mr K. Munisekhar

Mrs.K.Swathi

Tutor

Mrs.K.Pujitha

Mrs.M.Hari Priya

Research Scholar

Mr. K. Munisekhar

Mrs. K. Pujitha

Mrs. M. Hari Priya

29.1 Awards, achievements and felicitations

Divya.T, Alisha.P, Digumurthy Tejaswini, MBBS students was received “**2nd Prize**” at 3rd A.P.State Level Quiz in Physiology HAYAGREEVA -2019, SVIMS-SPMC(W), Tirupati on 26th April 2019.

29.2 Research Projects

Ongoing Research Projects

Dr Arpana Bhide

Assessment of impact of flipped classroom on student educational experience with respect to performance and perception in comparison with didactic lecture in topics classified based on Bloom’s taxonomy. Principal Investigator: Dr Arpana Bhide, Co investigator: Dr Sharan B Singh.

29.3 Research work

Ongoing thesis work

1. **Munisekhar K.** Effects of (Cow) Ghee on Lipid Peroxidation and Lipid Profile changes in healthy human volunteers before and after consuming (PhD).
2. **Pujitha K.** The Effect of Heartfulness meditation on Biomarkers of stress in young healthy female students (PhD).
3. **Haripriya M.** Effect on Heartfulness meditation practioners on oxidative stress markers in Patients with coronary artery diseases (PhD).

Ongoing Dissertation work

1. **Leena Lakshmi Prasanna VG.** A comparative study to evaluate the effectiveness of THODI RAGA and CHAKRAVAKAM RAGA on chronic

hypertensive patients (MSc).

2. Sucharitha D. Intraocular pressure in myopia subjects (MSc).

29.4 Conferences attended, lectures delivered

1. Dr Arpana Bhide attended ResMECon 2019 ,13th Annual Conference of Association of Physiologists Tamil Nadu at Sri Ramachandra Institute of Higher Education and Research, Chennai from 8/11/2019 to 9/11/2019 and presented a paper titled –‘ A comparative study of two small group teaching methods - tutorials and seminar - as a supplement to lecture classes for 1st year MBBS students.’

29.5 Publications

1. Bhide A, Singh BS. A comparative study of two small group teaching methods - tutorials and seminar - as a supplement to lecture classes for 1st year MBBS students. Int J Med Sci Public Health 2019;8(4):259-63.
2. Bhide A, Kalawat U, Vishnubhotla S. Assessment of phagocytic activity of polymorphonuclear leukocytes in hospitalized patients with Stages 4 and 5 chronic kidney disease. Natl J Physiol Pharm Pharmacol 2019;9(12):1172-5.
3. Rupeshkumar, Sunil Naik G, Priyanka J. Prevalence, behaviour, awareness and attitude regarding self medication: A comparative study between medical and dental students in South India. GJRA 2019;8:35-7.
4. Sunil Naik G, Rupeshkumar. Evaluation of head injuries with skull fractures in homicidal deaths. PIJR 2019;8:39-40.

29.6 CME's conducted by the department.

In a CME conducted on “Recent advances in grading of prostatic adenocarcinoma” conducted by three Depts. of Physiology, Pathology and Forensic Medicine on 5th January 2019

Dr Sharvani, CME spoke on “Physiology of Prostate” on 5th January 2019

29.7 CME's /Seminar/Workshops attended

Dr Sharan B Singh M, attended CME on “Antimicrobial Stewardship” at SVIMS on 28th September 2019.

Dr Sharvani, attended CME on “Physiology of Prostate” at SVIMS on 5th January 2019.

Dr Sharvani, Dr G.Sunil Naik, attended the revised Basic Course Workshop (RBCW) at SVIMS-SPMCW, Tirupati conducted by the Medical Education Unit, SVIMS-SPMCW during 24-26 June 2019.

Dr Sharvani, Dr.G.Sunil Naik Participated in the Curriculum Implementation Support Programme (CISP) at SVIMS-SPMCW, Tirupati conducted by the Medical Education Unit, SVIMS-SPMCW during 27-29 June 2019.

Dr Arpana Bhide, Mr.K.Munisekhar attended CME on “Physiology of Prostate” at SVIMS on 5th January 2019.

Mrs K.Pujitha, Mrs M.Hari Priya, attended workshop on Pharmacovigilance and reporting of adverse drug reactions conducted at SVIMS on 29th December 2019.

Mrs K.Pujitha, Mrs M.Hari Priya, attended CME on Update on prostate cancer-from Physiology to palliation conducted at SVIMS on 5th January 2019.

29.8 Other academic activities

Dr Sharan B Singh M, took charge of additional responsibility as

1. Principal for SVIMS-SPMC(W), Tirupati
2. Chairman for University Sports Board at SVIMS, Tirupati on 1st July 2017.
3. Purchase committee member at SVIMS, Tirupati

Dr Sharvani, as a Assistant Dean Student affairs, SVIMS University

Dr Arpana Bhide, took additional responsibilities of Deputy Warden of SPMC(W) Girls Hostel. She

also

1. Participated as a faculty in the Revised basic course workshop in medical education technologies conducted by CMC, Vellore, Nodal Centre in Medical Education Technologies at SVIMS, SPMC(W), Tirupati during 24-26 June 2019.
2. A three day workshop on simulation (first level training program) at SVIMS simulation system during 22-24 August 2019.
3. A three day workshop on simulation (second level training program) at SVIMS simulation system during 3-5 December 2019.
4. ACLS training program on 20/2/2019 and 21/2/2019 at SVIMS simulation system as an instructor.
5. BLS training program on 28/11/2019 at SVIMS simulation system as an instructor.

Dr G. Sunil Naik, was

Involved in organizing the Intercollege Physiology Quiz competition “HAYAGREEVA-2019” held at SVIMS-SPMCW, Tirupati, organized by the Department of Physiology, SVIMS-SPMCW.

The 3rd A.P.State Level Quiz in Physiology HAYAGREEVA -2019 was conducted on 26th April 2019 in SPMC(W), TIRUPATI. This unique initiative taken by Department of Physiology SVIMS-SPMC(W) provided an excellent academic platform for MBBS students of Andhra Pradesh. It was well appreciated by all the visiting faculty & students. 27 teams from 11 colleges participated in this event. This quiz competition had 4 levels namely league, Quarter Final, Semi Final and Final each consisting of 5 rounds.

The list of colleges: Pinnamaneni Siddhartha Institute Of Medical Sciences And Research Foundation-Chinoutpally, Konaseema Institute Of Medical Science(KIMSRRF)- Amalapuram, NRI Medical College – Visakhapatnam, Alluri Sitarama Raju Academy of Medical Sciences – Eluru, Nimra Institute Of Medical Sciences- Vijayawada, Aiiims-Mangalagiri, Rajiv Gandhi Institute Of Medical Sciences- Kadapa, Guntur Medical College – Guntur, SVIMS-Sri Padmavathi Medical College (W)- Tirupati, Rajiv Gandhi institute of medical sciences-Srikakulam and Sri Venkateswara Medical College, Tirupati.

30.0 DEPARTMENT OF PSYCHIATRY

Assistant Professor & HoD i/c

Dr B. Shivanandh

Faculty

Dr D.Triveni

Senior Resident

Dr. G. Swetha Rao

Junior Resident

Dr. K. Sowjanya

30.1 Awards, achievement and felicitations

Dr B. Sivanandh, attended the following

1. GERON 2019 and was felicitated for his leadership role in the successful conduct of this conference at Tirupati during 6-8 September 2019.
2. GERON 2019 and chaired a session on “Relationship between cardiac health and psychiatric disorders in elderly.
3. Annual conference of Indian Psychiatric society South Zonal branch and delivered a talk on “Treatment of Digital addiction in children” at Coorg in October 2019.

Dr D. Triveni, received Silver medal (First order) at PGI Chandigarh i.e. “Institutes Medal” from Union health minister Sri. Jaya Prakash Naddaji at Bhargava auditorium, PGIMER, Chandigarh on Institute of National Importance in February 2019

30.2 Research Projects

National

Principal Investigator: Dr Sandeep Grover **Title:** Religion and quality of life in patients with schizophrenia in collaboration with PGI.

Ongoing research project

Principal Investigator: Dr B.Sivanandh **Title:** Effect of biofeedback on treatment course of anxiety and unipolar depression.

30.3 Conference attended, Lectures delivered-

Dr B. Sivanandh, attended

1. World Congress at Sydney, Australia and presented a poster on “Asian Federation for Psychiatric Association’s” in February 2019.
2. Presented a poster in “GERICON 2019” at CMC, Vellore on 5th December 2019.

Dr D. Triveni, attended GERON 2019 and delivered talk on physiotherapy role in psychiatric disorders in Physiotherapy, SPMCW and SVIMS at Tirupati in September 2019.

30.4 Publications

1. Ananth Pai, Sivanandh. B, Karthik Udupa. Quality of sleep in patients with cancer: A cross sectional observational study. Accepted for publication in Indian Journal of palliative care.
2. Triveni, Sandeep Grover. A Detailed study of relationship of medication adherence with spirituality in persons with Schizophrenia-submitted to Indian Journal of palliative care

30.5 CMEs/Seminars/ Workshops/ Orations conducted by the department

1. Indian association for geriatric mental health’s 15th Annual national conference- GERON 2019 during 6-8 September 2019.
2. Alzheimer’s day awareness camp and screening programme on 21st September 2019.

31.0 DEPARTMENT OF PLASTIC SURGERY

Associate Professor & Head

Dr Praveen Kumar Reddy C.V

30.1 Dr Praveen Kumar Reddy, attended the following

1. Workshop on CRANIO-FACIAL TRAUMA at KIMS in February 2019.
2. Plastic Surgery state conference APRASCON-19 at Hyderabad in August 2019.

32.0 DEPARTMENT OF RADIO-DIAGNOSIS

Professor & Head

Dr A.Y. Lakshmi

Faculty

Dr B. Vijayalakshmi Devi
Dr Silpa Kadiyala

Dr A. Karthik
Dr Pavan Kumar G.Kale

Dr G.P. Venkata Choudary
Dr K. Hima Bindu

Senior Residents

Dr K.Ashok Hussain

Dr K.Priyanka

Dr Nivedita

Tutor cum PG Junior Residents

Dr Satyanarayana Goud V
Dr Suneel N
Dr Kirankumar K
Dr Narapareddi Sivasahas Reddy
Dr Settem Theja
Dr Sake Vinod Kumar
Dr Chandana Bimineni

Dr Devanga Sravani
Dr Penubala Shalini Devi
Dr V.C. Venkatesh
Dr L. Subramanyam
Dr Vishnu Prasad
Dr Prasanthi Meesala
Dr Harshit Soni

Dr S Srinivasa Akhil Anirudh
Dr Devalla Meghana
Dr Jampana Sahitya
Dr Boligarla Bharath Kumar
Dr Sunay G Duragappanavar
Dr Ragini T
Dr Dilip Kumar Duddyla

32.1 Awards, achievements and felicitations

1. Dr A.Y.Lakshmi, M.D., Professor and Head was awarded with “Andhra Pradesh State Best Teacher Award” at University Level from Govt. of AP during teachers day celebration at Vijayawada on 5th September 2018.
2. Dr B.Vijayalakshmi Devi received felicitation by IMA, Kadapa branch on 1st July 2019.
3. Dr Chandana B, was awarded the Dr R.Raja Reddy award for second best resident paper in the 4th state conference of APIRIA organised in Nellore

32.2 Fellowships received

Dr Silpa Kadiyala, Assoc. Professor has been

International

Selected for “Global Radiology Fellow ship” sponsored by Health Education England by Royal College of Radiology U.K in May 2019.

National

Elected as Governing council member of Indian college of Radiology and Imaging (ICRI) for Two year term.

Appointed as coordinator for Breast Radiology sub speciality group by Indian College of Radiology.

32.3 Research projects

Ongoing research projects

National

Principal investigator : **Dr Pavan Kumar G. Kale**,
Title : correlation of 3D – CT Renal parenchymal volumetry with DTPA split renal function in prospective donors.

32.4 Research work

Thesis work

Thesis submitted

1. Suneel N. Correlation of placental thickness with gestational age and fetal weight by ultra sonography, SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.
2. Kiran Kumar K. Role of colour Doppler ultra sound and MDCT angiography in the evaluation of peripheral arterial disease. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.

3. Satyanarayana. Study of diagnostic efficacy of ultrasound and MRCP in obstructive jaundice. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.
4. Vinod. Foetal kidney length as a parameter for determination of gestational age and its comparative evaluation with other foetal biometric indices. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.
5. Theja S. Colour Doppler ultra sound and multidetector CT angiographic study for evaluation of Arterio venous access related vascular complications in patients of chronic kidney disease. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.
6. Chandana. Study of Association of CT pulmonary angiography findings with clinical outcome in patients with acute pulmonary embolism. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. Siva Sahas N. A comparative study of clinical, MRI and arthroscopy in evaluation of internal derangements of knee. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Harshith. DTI for intra axial tumours (MD).
2. Shalini. Utility of perfusion weighted MRI and MR spectroscopy in intra cerebral glioma (MD).
3. Venkatesh. MR fistulography with percutaneous instillation of aqueous jelly in pre operative evaluation of peri anal fistulas (MD).
4. Vishnu. Diagnostic performance of prostate imaging reporting and data system version 2 (pirads V2) for detection of prostate cancer (MD).
5. Sravani. Prospective study of whole body diffusion weighted imaging compared with FDG – PET CT in staging of lymphomas (MD).
6. Prashanthi. Observation study of abdominal percutaneous nephrostomy (MD).
7. Subramanyam. To study the Utility of High Resolution USG and MRI in patients presenting with shoulder joint pain (MD).

32.5 Conferences attended, Lectures delivered

International:

Dr Silpa Kadiyala, delivered a talk at clinical Directors meet held at Royal College of London in 2019

National:

Dr A.Y.Lakshmi, attended

1. SYNAPSE and presented on “CVJ anomalies – Radiological evaluation” at SVIMS, Tirupati on 3rd January 2019.
2. Participated as examiner in NRI medical college in Residents exam course at NRI on 9th January 2019.
3. Mammocan 2019 at Meenakshi Medical Mission and delivered a talk on “Imaging in breast tumours” at Meenakshi Medical College on 19th October 2019.

Dr B.Vijayalakshmi Devi, attended

1. SYNAPSE at SVIMS, Tirupati and presented guest lecture on “Imaging of CP angle lesions and Imaging of sella and para sellar masses” during 2-3 January 2019.
2. Delivered lecture on “Imaging of Neck nodes at NIMS alumini meet held at KREST building, Hyderabad on 23rd February 2019.
3. Participated and delivered a lecture on “Role of Mammography, USG and MRI in Breast disease” at National Surgical CME held at Sri Venkateswara Medical College, Tirupati on 9th March 2019.
4. Delivered a guest lecture on “Imaging in Limb ischaemia” at AP state conference held at Nellore on 27th July 2019.
5. British Conference of Neuroradiology 2019 at CMC, Vellore during 11-12 October 2019.

Dr Silpa Kadiyala, attended as course faculty at ARI – RCR joint FRCR 2B course 2019 held at Hyderabad on 8th December 2019.

Dr Karthik, attended American British Conference of Neuroradiology 2019 at CMC, Vellore during 11-12 October 2019.

Dr Prasanthi, Dr Saravani, Dr Shalini Devi, attended SCIICON 2019 at Vellore during 12-13 April 2019.

Dr Satyanarayana, attended ‘Sonosummit’ conference held at Chennai during 16-19 June 2019.

Dr Chandana, attended RGR radiology grand rounds held by KREST at Hyderabad on 20th June 2019

Dr Venkatesh, Dr L.Subramanyam, attended AP State conference at Nellore on 27th July 2019.

Dr Bharath, Dr Ragini attended STAR BASICS at Chennai during 24-25 August 2019.

Dr Dilip, attended IREP Vellore 2019 during 14-15 September 2019.

Dr L.Subramanyam, Dr Vishnu Prasad, attended Indian Society of Gastrointestinal and Abdominal imaging ISGAR at Kochi during 27-28 September 2019.

Dr Sahitya, Dr Meghana and Dr Ragini, attended at APIRIA Radiology Physics course held at Vijayawada on 29th September 2019

Dr Prasanthi, Dr Shalini Devi, Dr Suneel, attended American British college of Neuroradiology 2019 at Vellore during 11-12 October 2019.

32.6 Presentations by PG students

Postgraduate students pursuing MD (Radiodiagnosis) presented the following papers / posters at:

AP state conference IRIA at Nellore during 27-28 July 2019

1. Chandana. Retrospective analysis of need for imaging and imaging patterns in patients with snake bite.

2. Vinod. Utility of Cross Sectional Imaging in CVJ Trauma

3. Shalini Devi. Pictorial assay of traumatic diaphragmatic injuries

Telangana state conference IRIA on at Hyderabad on 23rd October 2019

1. Sahas. Hydatid cyst – The omnipresent cyst.

Telengana State Conference, IRIA at Hyderabad during 1- 3 October 2019

1. Satyanarayana. Study of relation between imaging features of tumor, adjacent lung in patients for lung mass biopsy with development of pneumothorax.
2. Teja. Correlation of diffusion weighted ADC values with histopathological and immuno chemical prognostic factors in breast cancer.
3. Kiran. Imaging evaluation of non traumatic neuroradiological emergencies at Society of Emergency Radiology.

Annual state conference of TNPY – IRIA at Pondichery during 13-15 December 2019

1. Kiran. Role of colour Doppler and MDCT Angiography in the evaluation of peripheral arterial disease.
2. Suneel. Prediction of GEFRA by CT features in advanced pulmonary carcinoma.

32.7 Publications

1. Swathi P, Lakshmana N, Rama K, Bitla A R, Srinivasa Rao PL, Narendra H, Mutheeswaraiyah Y, Lakshmi AY, Phaneendra B V. Utility of serum total and free prostate-specific antigen in combination with serum carbohydrate antigen 15-3 and carcinoembryonic antigen in breast tumours. J Clin Sci Res 2018;7:159-64.
2. Pavan Kumar G.Kale, Lakshmi AY, Siva Kumar V, Anil Kumar. Utility of Ultrasound and Doppler Measurements in Haemodialysis Arterio Venous Fistula Maturity Assessment. Int J Sci Res 2019; 8(2):38-41.

3. Hussain KA, Kadiyala S, Lakshmi AY, Hindumathi M. Fetal transcerebellar diameter to abdominal circumference ratio (TCD/AC) and to femur length ratio (TCD/FL) in the assessment of normal fetal growth. J NTR Univ Health Sci 2019;8:5-10.
4. Hemalatha Rath, Subhadra Devi Velichetty, Lakshmi A.Y., Thyagaraju K., Pavan P, Havalokar. Morphometric study of posterior cranial fossa using computerized tomographic Images. Academia Anatomica International 2019;5(1).
5. Bhaskar Rao Sanga Reddi, Vijayalakshmi Devi Bodagala, Lakshmi AY, Anil Kumar N, Siva Kumar V. Diffusion weighted MR imaging in the diagnosis of acute pyelonephritis and its complications. J NTR Univ Health Sci 2019; B(3):170-4.
6. Venkatchoudary GP, Lakshmi AY, Vijayalakshmi Devi B, Ramesh Chandra VV, Naveen Thota, Amit Kumar Chowhan. Perfusion – weighted imaging ring-enhancing lesions in brain. J NTR Univ Health Sci 2019; 8(3):162-9.
7. Anil C, Vijayalakshmi Devi B, Lakshmi AY, Anil Kumar N, Rukmangada N. Sonourethrography in evaluation of anterior urethral abnormalities and comparison with retrograde urethrogram. J ClinSci Res 2019;83-8.
8. Pooja B P, Dr Pavankumar G Kale. Utility of Multidetector Computed Tomography Features in Differentiating Inflammatory and Malignant Bowel wall lesions. Int J Sci Res 2019;8(2).

32.8. CMEs

CME on “ Imaging in Musculoskeletal sports injuries “ by Departments of Radiology and Nuclear Medicine at SVIMS on 7th December 2019

33.0 DEPARTMENT OF RADIOTHERAPY

Associate Professor & HoD

Dr B.V.Subramanian

Faculty

Dr Pranabandhu Das
Dr Dinakar Kootala

Dr B. Sreenivasa Rao
Dr D.Praveen Kumar Reddy

Lecturer in Radiological Physics

S. Balaraju
M.Sangeetha

A.Srinivasa Raghava
N.Saidulu

J.Anitha Kumari
M. Manmohan

Senior Residents

Dr Chandipriya

Dr P.Masthan Basha

PG Junior Residents

Dr Deepthi G V
Dr Chevireddy Praneetha

Dr Gudi Haripriya
Dr Anusha G
Dr K. Sravani

Dr V. Divya Sowjanya
Dr Pittala Harika Bhavani
Dr Angelina Shiny

33.1 Research Work

Thesis work

Thesis submitted

1. Praneetha C. A prospective study of comparison between accelerated fractionation radiotherapy and concurrent chemoradiotherapy in treatment of Carcinoma Cervix SVIMS Tirupati Andhra Pradesh (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Deepthi GV. A Comparative study of hypofractionated Radiotherapy versus conventionally fractionated Radiotherapy in Post Mastectomy breast cancer patients SVIMS Tirupati Andhra Pradesh (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing Thesis work

1. Anusha G. Effect of Topical 1% Hydrocortisone in prevention of Radiation Dermatitis in Head & Neck & Breast Cancer patients receiving Radiation Therapy (MD).
2. Haripriya. Dosimetric Comparison between intensity modulated radiotherapy (IMRT) and Three

dimensional conformal (3DCRT) radiotherapy in Carcinoma Esophagus (MD).

3. Sravani K. A comparative study of weekly versus three weekly cisplatin chemotherapy given concurrently with Radiotherapy in Head & Neck Cancer (MD).

33.2 Conferences attended, lectures delivered

Dr B.V.Subramanian, Associate Professor attended following conferences

1. National Conference on Stereotaxy, SOP guidelines in Stereotactic Radiotherapy at Vishakapatnam during 11-12 May 2019.
2. Elekta Neuro Oncology summit at Mumbai during 23-24 February 2019.
3. 41st Annual Conference of Association of Radiation Oncologists of India at Ahmadabad during 29th November - 1st December 2019.

Dr Pranabandhu Das was Chairperson at Conference on SOP guidelines on Stereotactic Radiotherapy at Visakhapatnam during 11-12 May 2019.

Dr B.SreenivasaRao, attended

1. Workshop on Sterotactic radio surgery and sterotactic body radiotherapy conducted by Mahathma Gandhi Cancer Hospital at Visakhapatnam during 10-11 May 2019.
2. ICRO (Indian College of Radiation Oncology) workshop on precision technique in radiotherapy conducted by AROI at Ahmedabad on 28th November 2019.
3. 41st Annual Conference of Association of Radiation Oncologists of India (AROICON-2019) presented a E-poster on “Clinical out comes of standard radiation in Cervical Cancer in HIV positive women in the era of Anti retroviral therapy” at Ahmedabad during 28th November-1st December 2019.

Dr Dinakar, attended the “International Collaboration for Research methods development in Oncology (CReDO) workshop held at Lonavala, Mumbai on 8th March 2019.

Dr Chandi priya.V, attended Max Cancer Congress 2019 & ISES 2019 on Indian Society for diseases of Esophagus & Stomach at Delhi during 16-17 August 2019.

33.3 Publications

1. Anusha Konakalla V L, Das P, Swapna J, Jena A, Radhika K, Rao B S, Kuna J, Jagannathrao Naidu K V, Subramanian B V. A prospective randomised study on comparison of weekly versus 3 weekly cisplatin chemotherapy as an adjunct to radiotherapy in treatment of carcinoma of the uterine cervix. J Clin Sci Res 2018;7:12-8.

2. Hemanth M, Subramanian BV, Pranabandhu Das, Swapna J, Lakshmi AY. A Prospective Randomised Study of Comparison between Conventional and Accelerated Fractionation Radiotherapy in Treatment of Head and Neck Cancers. J Clin Diagn Res 2019; 13(5):5-9.
3. Masthan Basha P, Das P, Subramanian BV, Ranadheer Gupta M, Chowhan AK, Kadiyala S, Rukmangadha N, Nagaraja M. Metachronous carcinoma cervix in a treated case of Non-Hodgkins Lymphoma – A rare case report. Int J Health Clin Res 2019; 2(1):24-8.
4. Subramanian NK, Das P, Haritha A, Ravi kishore V, Reenaz N, Srilatha V, Balaji A, Subramanian BV. A prospective study on the assessment of the quality of life in patients with locally advanced carcinoma cervix pre and post chemo-radiotherapy. Int J of Pharmaceutical 2019;11(4):700-5

33.4 Oration conducted by the dept.

- 4th Annual Radiation Oncology Gold Medal Chair Oration by Dr Manoj Kumar Gupta, Prof. And Head Dept. of Radiation Oncology, AIIMS, Rishikesh, Uttarakhand on 29th March 2019.

33.5 CMEs attended.

Dr Pranabandhu Das –CME programme on Anti Microbial Stewardship – No Action Today, No Cure tomorrow by WHO at SVIMS on 28th September 2019.

33.6 Other academic activities of significance.

1. CAHOCON – Conference attended by Dr Pranabandhu Das held at SPMC (W) training hall.
2. National Cancer Grid Virtual Tumor Board (NCGVTB) conducted at RT Seminar Hall – weekly basis.

34.0 DEPARTMENT OF RHEUMATOLOGY

Assistant Professor & HoD

Dr.K.Sirisha

Junior Resident

Dr.G.Yamini

34.1 Research work

Thesis work done collaboration with other dept.

Ongoing Research work

Dr.K.Sirisha, was *Co-guide* for the following thesis

1. Dhamarcharla S. Utility of 99mTc-MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia (MD).
2. Assessment of pulmonary function in rheumatoid arthritis and its correlation with disease severity by Disease Activity Score 28.
3. A prospective study on pain intensity and coping strategies in patient's suffering with rheumatoid arthritis (Pharm D)

34.2 Conferences attended, lectures delivered

1. **Dr K.Sirisha**, attended SZIRACON (South zone) and IRACON conferences.

34.3 CMES/Seminars/Workshops/Orations conducted by the department- The department of Rheumatology has conducted CME in coordination with the department of Community Medicine and Microbiology.

34.4 CMES/Seminars/Workshops attended CMEs conducted by other departments at SVIMS.

35.0 DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Professor & Head

Dr V.Venkatarami Reddy

Faculty

Dr G.Sivarama Krishna
Dr C.Chandramaliteeswaran

Dr M.Brahmeswara Rao

MCh PG Senior Residents

Dr B. Sravanthi

Dr Lokesh Arora

Dr Sudish D

PDF Residents

Dr M. Sundara Krishna
Dr B. Mahendra Giri

Dr Ganesh Rapolu

Dr A. Anusha
Dr K. Anand

35.1 Fellowships and Awards

1. Dr Venkatarami Reddy V, Professor and Head, received **State teacher award** from Chief Minister of Andhra Pradesh on 5th September 2019.
2. Dr Siva Rama Krishna G, Associate Professor has qualified as an **Assessor** for NABH-Entry Level.
3. Dr Sravanti B, MCh Senior Resident has received Bursary award from The Indian Association of Surgical Gastroenterology (IASG) at 29th Annual conference of IASG (IASGCON 2019) at New Delhi during 9-13 October 2019.

35.1 Research work

Thesis work

Thesis submitted

1. Narayana Reddy DV. A Prospective randomized controlled study comparing end to end versus end to side colorectal anastomosis after low anterior resection for rectal cancers (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. Sravanti B. Role of Intra-operative Amylase concentration in peri-pancreatic fluid in predicting post-operative pancreatic fistula after Pancreaticoduodenectomy (MCh).
2. Lokesh Arora. Effect of Antecolic or Retrocolic Gastrojejunostomy on delayed gastric emptying after Pancreaticoduodenectomy (MCh).

35.2 Conferences attended, lectures delivered

Dr. Venkatarami Reddy V, attended the following

1. ISNSCCON 2019 (Indian Society of Nephrology-South Zone conference) and delivered a guest lecture on “Prevention of migration of the peritoneal dialysis catheter” at Tirupati during 2-3 February 2019.
2. Indian Society of Gastroenterology, AP chapter and delivered a guest lecture on “Difficult Cholecystectomy- Tips and Tricks” at GI Meet held at Proddatur on 24th February 2019.
3. SAGES 2019 (Annual Meeting of Society of American Gastro Endo Surgeons) at Baltimore, USA and Presented E – Posters on “Laparoscopic CAPD catheter insertion”, “Laparoscopic Esophageal diverticulectomy with Cardiomyotomy and Fundoplication” and “Laparoscopic repair of Right diaphragmatic hernia with liver herniation” during 2-5 April 2019
4. Laparoscopic Cadeveric Colorectal workshop and delivered a guest lecture on “Preoperative preparation in laparoscopic Colorectal surgeries” at Bangalore during 13-14 July 2019.
5. Hands on workshop on Microvascular surgery at Ethicon Institute, Chennai during 18-19 July 2019.
6. APASICON 2019 (Association of Surgeons of India – AP chapter) and delivered a guest lecture on “Step Up Approach in Acute necrotizing pancreatitis” at Vijayawada during 23-25 August 2019.

7. FIAGES 2019 (Fellowship course of Indian Association of Gastroenterologists) and delivered two guest lectures on “Biliary injury – What to do?” and “Pancreas / Liver – Cysts / stones / Abscesses” at Vijayawada during 1-3 November 2019.
8. Gastric Advisory Action Forum (GAAF) as Advisory Board faculty at Mumbai on 9th November 2019

Dr G. Siva Rama Krishna, attended the following

1. Completed the project-based Advance Course in Medical Education(ACME) at Nodal Centre for National Faculty development, CMC Vellore conducted by Medical council of India.
2. Workshop on Developing a Protocol for a Systematic Review at CMC, Vellore during 18-22 February 2019.
3. “Update in peritoneal surface malignancies” conducted by Cancer institute (WIA), Chennai during 25-26 February 2019.
4. Attended training programme on “Implementation of NABH Standards for Blood Bank” at Madurai on 23rd and 24th March 2019
5. Attended the Assessor course on Pre-accreditation Entry Level Standards, Bangalore from March 25-27, 2019.
6. Conducted workshop on “Writing Objectives” and delivered a lecture on “Teaching skills at workplace” during the 1st Revised Basic Course Work Shop & CISP at Medical Education Unit, SVIMS-SPMCW held from 24.06.2019 to 29.06.2019.

Dr C.Chandramaliteeswaran, attended FIAGES 2019 (Fellowship course of Indian Association of Gastroenterologists) and delivered two guest lectures on “Ergonomics & How to train further” and “Laparoscopic Appendicectomy” at Vijayawada during 1-3 November 2019.

35.3 Presentations by postgraduate students

Postgraduate students pursuing MCh (Surgical Gastroenterology) presented the following papers / posters at:

APASICON at Vijayawada during 23-25 August 2019

1. Lokesh Arora. Assessment of functional outcome of patients undergoing surgery for chronic pancreatitis.

XXIX National Conference of the Indian Association of Surgical Gastroenterology (IASGCON 2019) at New Delhi during 9-13 October 2019

1. Sravanthi B. Role of Intra-operative Amylase concentration in Peri-pancreatic fluid in predicting Post-operative pancreatic fistula after Pancreaticoduodenectomy.
2. Lokesh Arora. “Retoperitoneal tumor : Experience in tertiary care hospital” and “Subtotal Cholecystectomy :A giant leap towards safe cholecystectomy”.

35.4 Publications

1. Vutukuru VR, Rao RRV, Mathai V, Settipalli S. Relevance of peripheral eosinophilia in chronic pancreatitis. Int Surg J 2019;6:523-6.
2. Teja Reddy SC, Reddy VV, Bhargavi D, Deepthi B, Tammineni S, Manthri R, Kalawat T. Synchronous Pancreatic Solid Pseudopapillary Neoplasm Masquerading as Extralymphatic Involvement on 18F-Fluoro-2-deoxy-D-glucose Positron Emission Tomography/Computed Tomography in a Case of Hodgkin's Lymphoma. Indian J Nucl Med. 2019 Oct-Dec;34(4):309-12.
3. Lokesh Arora, M. Brahmeswara Rao, Venkatarami Reddy V, Chandramaliteeswaran C. Epidemiology, Presentation and Pathological Findings of Retroperitoneal Tumors and Literature Review. Int J Sci Res 2020; 9(1):1-3.

35.5 CMEs / Seminars / Workshops / Orations conducted by the dept.

The Department of Surgical Gastroenterology is organizing GUT CLUB-TIRUPATI, a CME Programme on last Tuesday of every month since March 2013. Interesting cases and recent advances are discussed during sessions and it involves Medical Gastroenterologists, Surgical Gastroenterologists, and General surgeons, medical and surgical residents in Tirupati.

36.0 DEPARTMENT OF SURGICAL ONCOLOGY

Professor & Head

Dr H.Narendra

Faculty

Dr B.Manilal

Dr Guru Raghavendra Naik. M

Dr V. Naresh Kumar

MCh PG Senior Residents

Dr B. Bhavya

Dr Chilukala Sai Praneeth

Dr G.V.V. Prasad Reddy

Dr S. Nagesh Kumar

Dr S.Chaitanya Vani

Dr M. Jayachandra Reddy

PDF Resident

Dr.C.Narendra Reddy

36.1 Awards, achievement and felicitations

1. Dr S.Nagesh Kumar, MCh Resident was awarded **“Prize in Poster Presentation”** at NATCON IASO 2019, Annual Conference of Indian Association of Surgical Oncology and presented a poster “Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients” held at JW Marriott, Kolkata during 20-22 September 2019.
2. Dr B.Bhavya, MCh Resident was awarded **“Prize in Free Paper”** at NATCON IASO 2019, Annual conference of Indian Association of Surgical Oncology and presented a poster “A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers” held at JW Marriott, Kolkata during 20-22 September, 2019.

36.2 Research Work

Thesis work

Thesis submitted

1. Guru Raghavendra Naik M. A randomized controlled study of drain versus no drain in patients undergoing pelvic lymph node dissections with or without paraaortic lymph node dissection in gynaecological malignancies (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

2. Naresh Kumar V. A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Ongoing thesis work

1. Bhavya B. A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers (MCh).
2. Nagesh Kumar S. Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix(FIGO stage I and IIA) patients (MCh).
3. Sai Praneeth C. A prospective study to evaluate the prevalence and pattern of axillary lymphnode metastasis in patients undergoing surgery for carcinoma breast (MCh).
4. Chaitanya Vani S. Dynamic contrast enhanced magnetic resonance imaging Vs 18-F-FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer (MCh).

36.3 Conferences attended, lectures delivered

Dr H.Narendra, attended the following

1. NATCON IASO 2019, Annual Conference of Indian Association of Surgical Oncology at Kolkata during 19-21 September 2019.

2. ONCOSURG 2019 Workshop held at Tata Memorial Hospital, Mumbai during 29th November- 01st December, 2019.

36.4 Presentations by postgraduate students

Postgraduate students pursuing MCh (Surgical Oncology) presented the following papers / posters at:

APASICON 2019, 42nd Annual State Conference of ASI AP at Vijayawada, during 23-25 August 2019.

1. Bhavya B. A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers.

NATCON IASO 2019, Annual Conference of Indian Association of Surgical Oncology at JW Marriott, Kolkata during 20-22 September 2019.

3. Bhavya B. A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers.

4. Nagesh Kumar. Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients.

36.5 Publications

1. Narendra Hulikal, Bhavya Bayana, Manilal Banoth, Abha Chandra, Andal Venkataraman. A rare case of lower limb gangrene following anterior exenteration in a previously irradiated pelvis. Indian Journal of Gynaecological Oncology. 2019;17:86.

37.0 DEPARTMENT OF TB & RD

Assistant Professor & HoD i/c

Dr. M. Revathi

Junior Resident

Dr. K. Chenga Reddy

37.1 Conferences attended

1. Dr M. Revathi, attended APSACON, state conference at Tirupati, SVMC during 2-4 August 2019.

37.2 CMEs attended

1. Dr M. Revathi and Dr. K. Chenga Reddy attended combined CME Index TB guidelines.

38.0 DEPARTMENT OF TRANSFUSION MEDICINE

Professor & Head
Dr K.V.Sreedhara Babu

Faculty

Dr R.Arun

Dr B. Suresh Babu

Dr I.S. Chaithanyakumar

Senior Resident

Dr Dilli Praveen Mabbu

Tutor cum PG Junior Residents

Dr TVN. Sriranjitha

Dr Keerthi C

Dr Gudditi Sandhya

38.1 Achievements

Established state of the art “**Nucleic acid Amplification Technology**” Laboratory – the one and only Public sector Institute having this facility in the state of Andhra Pradesh.

38.2 Research Work

Thesis work

Ongoing thesis work

1. Keerthi C. Serological characterization of auto antibodies in patients with direct antiglobulin test positive autoimmune hemolytic anemia at a tertiary care teaching hospital in Tirupati (MD).

38.3 Conferences attended, lectures delivered

Dr R.Arun, was attended the following

1. State level workshop organized by Indian Red Cross Society Blood Bank, A.P.State Branch, Nellore and delivered guest lecture on TTI and LJ chart preparation and Transfusion in specialized conditions during 16-17 June 2019.
2. Revised basic workshop and delivered lecture on Educational networking and Teaching Learning media organized by Medical Education Unit at SPMC(W), SVIMS during 24-26 June 2019
3. CME and delivered guest lecture on SDP Vs RDP in the organized by NTR Trust Blood Bank, Tirupati on 24th November 2019.

Dr B.Suresh Babu, attended the following

1. Institute Research Day 2019 and presented on “Evaluation of single unit blood transfusion: a study on tertiary care teaching hospital, Tirupati” at SVIMS, Tirupati on 24th February 2019.
2. State level workshop organized by Indian Red Cross Society Blood Bank and delivered guest lecture on blood grouping testing methods & discrepancies at A.P.State Branch, Nellore during 16-17 June 2019.

38.4 Presentation by postgraduate student

Institute Research Day 2019 organized by SVIMS, Tirupati on 24th February 2019.

Dr TVN Sri Ranjitha. Presented a paper on “Comparative study between antihumanglobulin (coombs’) crossmatch versus type and screen at the blood bank of tertiary care referral teaching hospital in Tirupati, Andhra Pradesh, South India”

38.5 Publications

1. Praveen M, Arun R, Sreedhar Babu KV, Jothi Bai DS. Do resident doctors donate blood?- An evaluation of voluntary blood donation among the resident doctors in a tertiary care teaching institute of a developing country, India. Int J Sci Res 2019;8:19-21.
2. Jeeva Priya R, Pushkala, Arumugam P, Arun Rajendran. Prevalence and detection of leptospirosis among voluntary blood donors. Int J Sci Res 2019;8(12):51-3.

3. Chaitanya IS, Suresh B, Arun R, Sreedhar Babu KV, Sri Ranjitha TVN. A study to assess the ABO blood group antigen phenotype and gene distribution among blood donors at a tertiary care research institute in South India. *Int J Sci Res* 2019;8:70-1.
4. Chaitanya Kumar IS, Jothi Bai D.S, Sreedhar Babu K.V, Mohan A, Sriram P. A Prospective Study to Assess the Efficacy of Single Donor Vs Random donor Platelet Therapy in Thrombocytopenic patients *Int J Sci Res* 2019;8:21-3.
5. Suresh B, Chaitanya Kumar IS, Arun R, Sreedhar Babu KV. An audit of Fresh Frozen Plasma usage in a tertiary care teaching hospital in Southern India: A cross sectional study. *Int J Sci Res* 2019;8:44-6.
6. Chaitanya Kumar IS, Babu BS, Arun R, Babu KV, Praveen MD, Sriranjitha TV, *et al.* Blood group discrepancy: Is it Group I or Group III? *J Clin Sci Res* 2019;8:42-3.
7. Sreenivasulu M, Rajesh Krishna NVH, Khader Faheem Md, Sushma C, Sai Prasad BV, Sridhar Babu KV, Anuradha B. Seroprevalence of HIV among Blood Donors Attending Blood Bank in a Tertiary Care Teaching Hospital –Andhra Pradesh. *J Dent Med Sci* 2019;18:80-2.
8. Sindhuja K, Sreedhar Babu KV, Anitha M, Praveen MD, Sriranjitha TVN. An evaluation of non-infectious adverse reactions following blood transfusion at a tertiary care referral teaching hospital in Southern India. *Int J Sci Res* 2019;8:3-6.
9. Sriranjitha TVN, Sreedhar Babu KV, Anitha M, Venkataramana B, Praveen MD, Sindhuja K. An observational study on bacterial contamination of blood and Blood components in a tertiary care referral teaching hospital Blood bank, Andhra Pradesh, South India. *Int J Sci Res* 2019;8:53-4.
10. Praveen MD, Sreedhar Babu KV, Anitha M, Sriranjitha TVN. Analysis of reasons for red cell crossmatch incompatibilities in a blood bank of a tertiary care referral teaching Institute in South India. *Int J Sci Res* 2019;8:7-9.

38.6 CMEs/Seminars/Workshops/Orations conducted by the department.

World Blood Donors day-2019, theme “Safe Blood for all” was conducted by Department of Transfusion Medicine, SVIMS on 14th June 2019.

38.7 CMEs/Seminars/Workshops attended

Dr K.V.Sreedhar Babu, attended the following

1. 24th ICP AIPNA international CME in Pathology 2019 organized by Pathology and Lab Medicine at AIIMS, Bhopal during 1-3 February 2019.
2. Workshop on “Developing protocol for a Cochrane Systematic review” organized by Prof. BV Moses Centre for Research and Training in Evidence-Informed Healthcare at CMC, Vellore during 18-22 February 2019.
3. CME on “Antimicrobial Stewardship” organized by SVIMS, Tirupati on 28th September, 2019.
4. Training programme in Quality Management Systems and Internal Audit in Medical Laboratories as per ISO 15189; 2012 at Medical Education and Learning point and Karpaga Vinayaga Institute of Medical Sciences & Research Center, Dept. of Biochemistry during 30th April- 3rd May 2019.

Dr R.Arun, attended the following

1. Workshop on “Programme on implementation NABH standards for Blood bank” organized by NABH at Madurai during 23-24 March 2019
2. Workshop on “Fundamental of Biostatistics & Epidemiology short course” organized by Department of Biostatistics, Christian Medical College during 1-4 July 2019.
3. Workshop on “Sample size calculation” organized by Department of Biostatistics, Christian Medical College during 5-6 July 2019.
4. Workshop on “NABH Assessor course Blood Bank” organized by NABH at Bangalore from 19th to 23rd August 2019

Dr B.Suresh Babu, attended the following

1. State level workshop on “Basic Techniques of Blood Bank organized by Indian Red Cross Society Blood Bank at Nellore during 16-17 June 2019.
2. CME in blood banking organized by NTR Trust Blood bank at Tirupati on 24th November 2019.

Dr R. Arun, Dr I.S.Chaitanya Kumar, Dr B.Suresh Babu, Dr C.Keerthi, attended CME on “Medical Research” on the occasion of Institute Research Day at SVIMS, Tirupati on 24th February 2019.

Dr R. Arun, Dr I.S.Chaitanya Kumar, Dr B.Suresh Babu, Dr TVN Sri Ranjitha, Dr C.Keerthi, attended workshop on “Advanced Heart, lung diseases management and Transplantation” at SVIMS, Tirupati during 25-27 February 2019.

Dr I.S.Chaitanya Kumar, Dr C.Keerthi, Dr G. Sandhya, attended workshop on “Fundamentals of Biostatistics for diagnostics laboratories” organized by Department of Transfusion Medicine and Immunohaematology, Biostatics and Clinical Epidemiology at CMC, Vellore during 1-3 August 2019.

Dr R. Arun, Dr I.S.Chaitanya Kumar, Dr B.Suresh Babu, Dr TVN Sri Ranjitha, Dr C.Keerthi, attended CME on “Antimicrobial Stewardship” at SVIMS, Tirupati on 28th September 2019.

Dr C.Keerthi, attended Workshop on “Advanced IH workshop” organized by BMST-Bangalore Medical Services Trust at Bangalore during 26-29 March 2019.

38.8 Other academic activities:

Dr K.V.Sreedhar Babu, was

External expert

1. Board of Studies–MD (Immunohaematology and Blood Transfusion Sri Ramachandra Medical College and Research Institute at Porur, Chennai on 27th February 2019.

External Examiner

1. II MBBS at NMC, Nellore during 6-9 March 2019.
2. II MBBS-Rajiv Gandhi Medical Sciences, Ongole during 11-14 March 2019.
3. MD Transfusion Medicine, Sri Ramachandra Medical College, and Research Institute, at Porur, Chennai during 11-12 April 2019.
4. MD Transfusion Medicine, KIMS, Narketpally, Telangana on 9th May 2019.
5. MD Transfusion Medicine VMKV Medical College, Salem during 21-22 May 2019.
6. MD Transfusion Medicine at St John’s Medical College, Bengaluru during 24-25 May 2019.

Member

1. Human Ethics Committee – Indian Institute of Science, Education & Research, Tirupati.
2. Institutional Committee for monitoring Stem Cell Research.
3. Institute Thesis Protocol Approval Committee.
4. Admissions Committee – PG Super-specialty courses.
5. Ex-Officio – Disciplinary & Grievance Committee
6. Associate Editor – Journal of Clinical and Scientific Research.

Dr Arun, was Internal Examiner for MD Transfusion Medicine at SVIMS during 11-12 December 2019.

39.0 DEPARTMENT OF UROLOGY

Professor & Head

Dr N.Anil Kumar

Faculty

Dr A. Tyagi
Dr Kalyan G

Dr M. Muniprasad
Dr Chilekampalli Konda Reddy

Dr Manoj B

MCh PG Senior Residents

Dr Suraj Pinni
Dr Thushar Sharma
Dr Yagneshwar Sharma
Dr Naveen Goyal

Dr Goutham Krishna Reddy M
Dr Narendranath L
Dr Amit Kumar
Dr Ravinder Singh

Dr Rakesh Pradeep K
Dr Ashish Kumar Singh
Dr Nasare Vaibho M
Dr Shahsi Kumar

39.1 Research Work

Thesis work

Theses submitted

1. **Ravi Shankar K.** Role of silodosin in Expulsion of lower ureteric stones (MCh) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Konda Reddy Ch.** Complications of Transrectal ultrasound guided prostate biopsy : A prospective observational study at SVIMS (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Jai Babu A.** A comparative study of Bipolar Vs Monopolar TURP (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. **Manoj B.** Evaluation of renal function after percutaneous nephrostomy or DJ –stenting in calculus upper tract obstruction with renal failure (MCh). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019

Ongoing thesis work

1. **Suraj Pinni.** Study of factors predicting impacted nature of ureteric stones in patients undergoing ureteroscopic lithotripsy (URSL) (MCh).
2. **Naveen Goyal.** S.T.O.N.E. Nephrolithometry score as a tool to predict stone clearance rates in patients undergoing percutaneous nephrolithotomy (MCh).
3. **Tushar Sharma.** Study of outcomes of renal function in patients of chronic kidney disease following

percutaneous nephro lithotomy for symptomatic renal calculus disease (MCh).

4. **Yagneshwar Sharma A.** A study to evaluate the role of OTIS urethrotomy in patients undergoing transurethral resection of prostate gland (MCh).
5. **Narendranath L.** Mid stream urine, pelvic urine and Renal Stone culture & sensitivity as predictors of urosepsis following percutaneous nephrolithotomy – A prospective observational study (MCh).
6. **Goutham Krishna Reddy M.** Study of comparison between alpha blockers (Tamsulosin) Vs Alpha blockers plus anticholinergics (Tamsulosin plus tolterodine) in improving the ureteral stent discomfort (MCh).
7. **Ravinder singh.** Autologous tensor fascia lata transvaginal sling Vs autologous rectus fascia transvaginal sling for the treatment of urinary stress incontinence – A Prospective study (MCh).
8. **Amit Kumar.** A study of the effects of stone density values on percutaneous nephrolithotomy (PCNL) outcomes (MCh).

Thesis work carried out in collaboration with other departments

Ongoing thesis work

Dr N.Anil Kumar, was Co-guide for the following thesis

1. **Vishnu Prasad M.** Diagnostic performance of prostate imaging reporting and data system version

2 (Pirads V 2) for detection of prostate cancer (MD).

2. **Prasanthi M.** An observational study on computed tomography – Guided percutaneous nephrostomy (MD).
3. **Sai Krishnaja Reddy K.** Utility of 177 Lutetium ethylene diamine tetra Methylene phosphonate in metastatic bone pain palliation therapy (MD).
4. **Varaprasad KG.** Usefulness of Dual-staining with α -Methylacyl CoA racemase (AMACR/P504S) & p63 Cocktail for the Detection of Prostate Carcinoma (MD).
5. **Harsha Vardhan M.** Attenuation of hypotension associated with the induction dose of propofol: A randomized controlled trial comparing vasopressor doses of phenylephrine and mephentermine (MD).
6. **Venkatasrinivas M.** Comparison of case of intubation with McCoy laryngoscope and CMAC videolaryngoscope in Modified Mallampati (MMP) grade III and grade IV patients (MD).
7. **Charan.** Role of 18F FDG-PET/CT in characterizing solid renal mass lesions and treatment planning (MD).

39.2 Conferences attended, lectures delivered

International

Dr G.Kalyan, attended the following

1. Hong Kong Urological Association CME and presented a paper on Staghorn calculus – PCNL technique at Hongkong on 4th March 2019.
2. Hongkong Urology symposium and Endoscopic workshop at Hongkong on 22nd June 2019.
3. 11th Hong Kong Congress of Endourology 2019 at Hongkong on 29th June 2019.
4. Urological Association of Asia and presented a papers on “Are younger men less affected by bigger prostates on Lower Urinary Tract Symptoms (LUTS) and uroflowmetry ?” and “# UroSoMe: The New urological social media hashtag” at KL, Malaysia in August 2019.
5. Annual state Karnataka Urological Association Conference and presented paper on Social Media session Social Media & The Urologist at KUACON 2019 during 1-3 November 2019.

National

Dr N.Anil Kumar, attended the following

1. Urology Compcn at New Delhi during 8-9 June 2019.
2. Urology Transplant Conference at New Delhi during 24-25 June 2019.
3. AUA annual meet – 2019 at New Delhi during 28-29 September 2019.

Dr N.Anil Kumar, Dr A.Tyagi, Dr G. Kalyan, Dr Suraj Pinni, Dr Tushar Sharma, Dr A.Yagneshwar Sharma, Dr Naveen Goyal, Dr M.Goutham Krishna Reddy, Dr Amit Kumar, Dr L.Narendranath, Dr Ravinder Singh, attended SOGUS AP & TS urology conference at Hyderabad during 8-10 November 2019 & Dr.A.Tyagi moderated one session.

Dr G.Kalyan, attended the KUA 2019 at Ballari, Karnataka during 1-3 November 2019.

Dr Suraj Pinni & Dr.Tushar Sharma, attended the observership at Muljibhai Patel Urological Hospital, Nadiad, Gujarat during 1st February - 2nd March 2019

Dr Ravinder Singh, Dr L.Narendranath, attended the observership at Muljibhai Patel Urological Hospital, Nadiad, Gujarat during 15th November - 15th December 2019.

Dr Anil Kumar, Dr Ch.Konda Reddy, Dr B.Manoj, Dr Suraj Pinni, Dr Tushar Sharma, Dr A.Yagneshwar Sharma, Dr Naveen Goyal, attended Best of EAU annual meet-2019 on 18th December 2019.

Dr Suraj Pinni, attended Laparoscopic urology course – J & J Chennai during 20-21 April 2019.

Dr Naveen Goyal, attended Annual Conference of the Urological Society of India (USICON) at Coimbatore 2019.

39.3 Presentations by postgraduate students

Postgraduate students pursuing MCh (Urology) presented the following papers / posters at:

SZUSICON held at Coimbatore during 12-14 July 2019.

1. Suraj Pinni. Case report on ruptured adrenal myolipoma- A rare acute presentation of an benign entity.

SOGUS AP & TS at Hyderabad during 8-10 November 2019

1. **Anil Kumar N.** Hospital acquired urological infections
2. **Kalyan G.** Social Media in Urology
3. **Tushar Sharma.** To study the outcome of renal function in patients of chronic kidney disease following percutaneous lithotomy for symptomatic renal calculus disease.
4. **Tushar Sharma.** Percutaneous nephrolithotomy for staghorn calculus in case of solitary kidney with ileal conduit.
5. **Naveen Goyal.** Presented a paper on “Bladder paraganglioma masquerading as urothelial carcinoma” and poster on “Cancer of unknown primary of inguinal region – an atypical presentation of penile carcinoma”.
6. **Yagneshwar Sharma A.** DJ Stent complications : Single institution experience.
7. **Narendranath L.** Presented a paper on “Emphysematous pyelonephritis, its clinical profile and outcomes – our experience” and poster on “Laparoscopic assisted PCNL in ectopic pelvic kidney”.
8. **Ravinder Singh.** Presented a paper on “Spectrum of Urological injuries in obstetric and gynaecological procedures” and poster on VVF Repair in prone jack knife position.
9. **Goutham Krishna Reddy M.** Presented a paper on “Complications of AV Fistula (Dialysis access) – A retrospective study” and poster on Goutham Krishna Reddy M. Burnt out cases of GUTB requiring extensive procedures –our recent encounters.
10. **Amit Kumar.** Factors predicting stone clearance in PCNL.

39.4 CME conducted by the dept.

Nephrology, Urology & OBG departments conducted CME topic Surgical causes of acute renal

failure in pregnancy by Dr.K.Krishna Karthik, Assistant Professor, Department of Urology on 01.06.2019.

39.5 CMEs/Seminars/Workshops attended.

Dr N.Anil Kumar, attended the following

1. 5th National organ retrieval workshop – Oxford Course at Bangalore during 2-3 February 2019.
2. Laparoscopic (AINU) at Hyderabad during 2-3 February 2019
3. STONE (ANU) at Hyderabad during 6-7 September 2019

Dr N.Anil Kumar, Dr B.Manoj, attended the Upper tract reconstruction CME at Narayana Medical College, Nellore during 24-25 August 2019.

Dr N.Anil Kumar, Dr Ch.Konda Reddy, Dr.Suraj Pinni, Dr.Tushar Sharma, Dr A.Yagneshwar Sharma, Dr Naveen Goyal, Dr M.Goutham Krishna Reddy, Dr Amit Kumar, Dr L.Narendranath, Dr Ravinder Singh, attended the pediatric urology workshop ESIC at Hyderabad on 7th November 2019.

Dr Ch Konda Reddy, Dr.B.Manoj, attended Urology masterclass at Amrita CUE, Kochi during 23-24 February 2019.

Dr Suraj Pinni, Dr Tushar Sharma, attended RIRS workshop at MPUH, Nadiad on 25th February, 2019.

Dr Ch.Konda Reddy, Dr B.Manoj, attended Uro oncology CME at Narayana Medical College, Nellore on 23rd March 2019.

39.6 Other academic activities

1. Every Monday to Friday 7.30-8.30 am Seminar, Clinical discussion, journal club, thesis review, operative surgery discussion.
2. Every Thursday 8.30 – 9.00am Uro radiology discussion.
3. Every 3rd Thursday 4.00 pm to 5.00pm Uropathology.
4. Every last Thursday 8.00am to 9.00am Uronuclear Medicine.

40.0 COLLEGE OF NURSING

Professor & Principal i/c

Dr P. Sudha Rani

Faculty

Dr A. Padmaja
Mrs. S. Swarna
Mrs. K. Varalakshmi

Dr M. Nagarathnam
Dr C. Usha Kiran
Dr S. Hemalatha

Dr M. Sreelatha
Mrs. B. Kokilamma
Dr M. Bhagya Lakshmi

Tutors

Mrs. V. Naganandini
Mrs. P. Christina Bharathi
Mrs. K. Gowri Devi

Mrs. B.M. Madhavi
Mrs. M. Lakshmi Devi
Mrs. P. Sumalatha

Mrs. P. Sreedevi Annapurna
Mrs. C. Pragasa Mary

40.1 Awards, achievements and felicitations

Dr A. Padmaja,

1. **“Life time Achievement in Health and Medical Sciences”**, for the contribution and achievement in the field of Child Health Nursing by Venous International Foundation on 6th July 2019
2. **Selected for “Bharat Excellence Award”**, for the amazing manner and enduring excellence that she has contributed, will be receiving on 09-02-2020 by Friendship Forum, New Delhi.
3. **Selected for “Leading Educationalist of India Award”**, will be receiving on 09-02-2020 by Friendship Forum, New Delhi.

40.2 Research Work

Dissertation Work

Dissertation submitted

1. Leelavathi A. A study to assess the level of anxiety and coping struggles regarding pubertal changes among preadolescent girls in selected schools at Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. Rambabu C. A study to assess the knowledge on shaken baby syndrome among care givers of young child in MCH center, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. Sesha Kumar K. A study to assess the knowledge on pediatric ventilator associated pneumonia (VAP)

among nursing students at a selected college Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

4. Veena Bai R. A study to assess the planned health teaching regarding knowledge and practices of katori and spoon feeding among a mothers of infants in pediatric ward at SVRRGG Hospital, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. Swathi S. Assessment of stress and coping among caregivers of post operative cerebral palsy children at BIRRD Hospital, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. Anil Kumar P. A study to assess the effectiveness of STP on infant and young child feeding (IYCF) practices among mothers of pediatric wards at SVRRGGH, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
7. Rupa B. A study to assess the knowledge on nursing informatics among nursing students at college of nursing, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
8. Roja G. A study to assess the effectiveness of skill training on PPE technique among B.Sc (N) students at Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
9. Roja N. A study to assess the level of knowledge regarding child abuse among the mothers attending

- selected anganwadicentre, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
10. Sandhyarani S. A study to assess the effectiveness of structured teaching programme regarding food taboos among primy mothers attending MCH center, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 11. Sreevani G.H. A study to assess the impact of vedio assisted teaching programme as knowledge regarding 5 'f's of disease transmission among school children from selected schools of Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 12. Deepthi K. To assess lived in experiences of coronary angiography patients in SVIMS, tirupati
 13. Leela Lavanya T. A study to assess the skill training on prevention of needle stick injury (NSI) among B.Sc Nursing students at College of Nursing, SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 14. Ashalatha D, A study to assess the knowledge of caregiver on home care management of peritoneal dialysis at SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 15. Ithihasa M Assessment of knowledge on risk factors of renal calculi among female students in selected engineering college, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 16. Vijay P A study to assess the knowledge of men school teachers on prostate cancer at selected Govt. schools, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 17. Anusha S A study to assess the knowledge on risk factor's of Gastric cancer among caregivers attending to oncology outpatient departments, SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 18. Sushmitha M "A study to assess the knowledge regarding decreasing child sex ratio and attitude towards the gender preference among pregnant mothers and family members in selected health centers, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 19. Sunanda P "Assess the self care practices of postnatal mothers who underwent LSCS in SPMCM, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 20. Sailaja P Effect of structure teaching programme on folic acid supplements in prevention of congenital anomalies among undergraduate students at selected college, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 21. Sumalatha S "A study to assess the quality of life among Gynecological oncology patients at SVIMS OPD, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 22. Dhanusha S. A comparative study to assess the effect of different maternal positions during non stress test (NST) on maternal and foetal biophysiological parameters among antenatal mothers in antenat OPD, SPMC, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 23. Divya Sree V. A study to assess the reproductive health practices and quality of life of higher secondary adolescent school girls in selected colleges, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 24. Uhaa M. A study to assess the effectiveness of structure teaching programme on prevention of substance abuse among adolescents at selected schools in Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 25. Jhansi Ramani K. Relationship between emotional intelligence of self esteem among B.Sc (N) I Year students, CON, SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
 26. Kanmani S. A Study on knowledge and attitude among family members of the patients undergoing electro convulsive therapy (ECT) at SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.

27. Nayaz Shaik. A study to assess the nomophobia mobile phone dependency among the adolescents in selected college of Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
28. Kalpana T. Assessment of knowledge on self syndrome among adolescence in selected colleges, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
29. Leela K. A study to assess the knowledge on refractive errors and related risk factors of 6 – 12 years school children (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences;2019.
9. Anitha V. Effectiveness of planned teaching programme on hazards of plastic usage among house wives in a selected rural community at Tirupati (MSc).
10. Preethi K. Effectiveness of self instructional module on knowledge of late adolescents regarding primary prevention of type – 2 diabetes mellitus in selected pre-university college in Tirupati (MSc).
11. Rukmini S. A study of blood pressure and its relation with anthropometric measurements among adolescents in a selected college, Tirupati (MSc).

Ongoing Dissertation work

1. Aparna P. A study to assess the effectiveness of structured teaching programme on knowledge regarding human milk banking among mothers of infants attending MCH center at Tirupati (MSc).
2. Monika P. Awareness on preventive measures of worm infestation among mothers of toddle of MCH center, Tirupati (MSc).
3. Pavithra R. A study to assess the perceived impact of parenting style on self-esteem among adolescents in selected colleges Tirupati (MSc).
4. Rajeswari TV. Effectiveness of planned teaching porgramme on management sibling rivalry among mothers of under-five children in SVRRGGH, Tirupati (MSc).
5. Yamuna G. A study to assess the effectiveness of structured teaching programme regarding knowledge on prevention of upper respiratory tract infection among mothers of children 0-5 yrs (MSc).
6. Reshma B. A study to assess the effectiveness of planned teaching programme on prevention of mosquito borne diseases among women in a selected rural area of Tirupati (MSc).
7. Renuka Priya JC. A study to assess the knowledge regarding hypothyroidism and its effect among adolescent girls at selected schools of Tirupati with a view to develop information booklet (MSc).
8. Sushma R. A comparative study to assess the knowledge on gastritis among under graduate students in selected colleges at Tirupati (MSc).
12. Naga Ramesh V. A study to assess the knowledge on self management of clients suffered with heart failure at cardiology OPD SVIMS, Tirupati (MSc).
13. Aparna P. A study to assess the post traumatic stress levels among myocardial infarction patients at cardiology OPD, SVIMS, Tirupati (MSc).
14. Radha SV. A study to assess the knowledge on anemia among patients with ESRD in Nephrology ward at SVIMS Hospital, Tirupati (MSc).
15. Venkateswarlu O. A study to assess the knowledge on self-care management among patients undergoing hemodialysis, SVIMS, Tirupati (MSc).
16. Archana G. A study to assess the prevalence and measures of management of mucositis among patients receiving radiation therapy in SVIMS hospital, Tiruapti (MSc).
17. Bhagyamma A. Knowledge on risk factors and preventive aspects of uterine prolapse among women attending gynec OPD in SPMCH, Tirupati (MSc).
18. JoesthnaVijaya Kumari E. Impact of education on knowledge regarding MTP among teenage girls in selected schools of Tirupati (MSc).
19. Lalitha B. A comparative study on DFMC chart versus CARDIFF count ten chart on assessment of fetal movement among antenatal mothers at RCH / SPMCH centre, Tirupati (MSc).
20. Nagarathna B. A study to assess the effectiveness of lactation counseling on breast engorgement and new born baby feeding behavior among primigravida at SPMH Tirupati (MSc).

21. Nalini K. A study to evaluate the effectiveness of structured teaching programme on knowledge regarding pap smear among women in selected rural area, Tirupati (MSc).
22. Reddipyari K. A study to assess the effectiveness of self instructional module on knowledge regarding postoperative self care of mothers undergoing caesarean section in SPMC(W) of Tirupati (MSc).
23. Mariya Rani SA. A study to assess the pro-social behavior and self-concept among adolescents in selected college at Tirupati (MSc).
24. Vani R. Assessment of depression among siblings of individuals with schizophrenia in selected hospitals, Tirupati (MSc).
25. Baby Rani P. A study to assess the psychological and social problems among the caretaker of mentally ill persons in SPMCH at Tirupati (MSc).
26. Dhanalakshmi C. Effectiveness of planned teaching programme on knowledge regarding techniques of communication in establishing therapeutic interaction among 1st year B.Sc (N) students in SVIMS (MSc).
27. Haritha P. An effectiveness of guided imagery in reducing examination anxiety among adolescents in selected schools at Tirupati (MSc).
28. Vani R. A study to assess the prevalence of shopaholic among the students of selected of colleges, Tirupati (MSc).

40.3 Conference, attended, lecturer delivered

Dr P. Sudha Rani, invited as resource person in National Conference Oxygen Promotes the quality of Life and delivered a lecturer on “Open Door for Golden Hours” at Sri Remachandra Medical Centre. Chennai on 24th September 2019.

Mrs. S. Swarna, attended the following

1. Workshop on Translational Research in Health Science from Nursing Perspective Department of Nursing, SPMVV, Tirupati.
2. Conference on Advanced Heart, Lung diseases management and Transplantation, SVIMS, Tirupati during 25-27 February 2019.

Mrs.K. Varalakshmi, attended Workshop on “Translation Research in Health Science from Nursing Perspective” during 24-25 January 2019

Dr M. Nagarathnam, attended the UGC National seminar and presented a paper on Health & well being of women & children – challenges and prospects at Sri Padmavathi Mahila Vidyalaya, Tirupati during 24-25 January 2019.

Dr. C. UshaKiran, Dr. M. Sreelatha, Dr. S. Hemalatha, Mrs. B. Kokilamma, Dr. M. Bhagya Lakshmi, Mrs. V. Naganandini, Mrs. P. Christina Bharathi, Mrs. K. Gowri Devi, Mrs. B.M. Madhavi, Mrs. M. Lakshmi Devi, Mrs. P. Sumalatha, Mrs. P. Sreedevi Annapurna, Mrs. C. Pragasa Mary, Ms. M. China Nagendram, Mrs. K. Bujji, Mrs. V. Karpugam, Mrs. A. Shobha Rani, attended Workshop on Translation Research in Health Science from Nursing Perspective at Sri Padmavathi Mahila Vidyalaya, Tirupati during 24-25 January 2019.

Mrs. B.M. Madhavi, attended the following

1. CME on Medical Research at SVIMS University, Tirupati on 24th February 2019 on the occasion of Institute Research Day 2019 as a delegate
2. 19th Bennial conference of Association of Garentology (India) and presented a poster on “Resilience among elderly Men & women in Encountering Tears, Worriers and Anxiety” at AIIMS, New Delhi during 17-18 August 2019.

40.4 Publications

1. Mohanasundari SK, Padmaja A, Rimple Jeet. A Descriptive Cross sectional study on Attitude of Nursing Students towards chosen profession in India. Com Public Health Nursing 2019;4(3).
2. Anil Kumar P, Padmaja A. A study to assess the effectiveness of structured teaching programme on Infant and young child feeding (IYCF) practices among mothers at paediatric wards of S.V.R.R.G.G. Hospital, Tirupati. Int J Nursing Edu 2019;11(4): 19-23.
3. Swathi S, Padmaja A. Assessment of Stress and Coping among caregivers of postoperative Cerebral palsy children at BIRRD Hospital, Tirupati. IOSR

- J Nursing and Health Sci (IOSR- JNHS) 2019;8(4):1-10.
4. Rambabu C, Padmaja A. A Study to assess the knowledge on Shaken Baby Syndrome among caregivers of young child in MCH Centre, Tirupati. Int J Current Res 2019;11:5322-3.
5. Veenabai R, Padmaja A. A Study to assess the effectiveness of planned health teaching regarding Katori and Spoon feeding among mothers of infants in selected Hospital, Tirupati. Int J Nursing Health Sci (IOSR) 2019;8(4)47-52.
6. Seshakumar K, Padmaja A. A Study to assess the effectiveness of Paediatric Ventilator Associated Pneumonia (VAP) among Nursing students, at selected College, Tirupati. Asian J Nursing Edu Res 2019;9(3):285-8.
7. Leelavathi A, Padmaja A. A Study to assess the level of anxiety and coping strategies regarding pubertal changes among pre- adolescent girls in selected schools of Tirupati. Int J Nursing Edu 2019;11(4).
8. Sunanda P, Swarna S. Self care practices of postnatal care among mothers who underwent LSCS. Journal of Emergency Technologies and Innovative Research (JETIR) 2019; 6(6): 899-902.
9. Susmitha M, Swarna S. Knowledge regarding decreased girl child serrato among pregnant mothers and family members. Journal of Emerging Technologies and Innovative Research (JETIR) 2019; 6(6):107-11.
10. Nagarathnam M, Sivakumar V, Latheef SAA. Burden, coping mechanism and quality of life among care givers of Hemodialysis and peritoneal dialysis undergoing and renal transplant patients. Indian J Psychiatry 2019; 61:380-8.
11. Deepthi, K. and Dr. Nagarathnam, M. A phenomenological study on lived experiences of coronary angiography patients at tertiary care centre of AP. Int J Current Res 2019;11(08): 6567-70.
12. Leela lavanya T, Nagarathnam, M. Evaluation of skill training programe prevention of needle stick Injury in B.Sc Nursing students to Tirupati. Int J Current Res 2019; 11(9):6890-2.
13. Lalithakumari T, Hemalatha S, Bhagyalakshmi M. Assessment of quality of life and life satisfaction among senior citizens in selected areas of Tirupati. IJHSR,2019, 9;(5):233-241.
14. Hemalatha S, Bhagyalakshmi M, Kiranmayee K. Assessment of study skills among IX class students of Tirupati,A.P. IJAR, Impact factor:5.2:5(2):203-6.
15. Kalpana T, Hemalatha S, Bhagyalakshmi M. Assessment of the level of knowledge among adolescents on selfi syndrome in selected college. Tirupati,A.P. 2019, IOSR, eISSN2320-1959;8(4)55-64.
16. Hemaltha S. Assessment of stress and coping among parents of children with epilepsy at selected hospital, Tirupathi.AP. IJHSR, 2019, ISSN,2249-9571 9(8):300-4.
17. Hemalatha S, Rajyayalakshmi A, Bhagyalakshmi M. Assessment of adjustment pattern among Ist year BSc N students at CON, Tirupathi.A.P.IJAR, 2019, ISSN e2394-5869;5(7):37-41.
18. Swathi M, Hemaltha S, Bhagyalakshmi M. Assessment of the knowledge regarding Alzheimer's disorders among senior citizens in selected community at Tirupati,A.P. IJHSR, 2019, ISSN,2249-9571;9(9):275-80.
19. Bhagyalakshmi M, Hemalatha S. Assessment of knowledge on organ donation among degree college students at selected colleges Tirupati, A.P. ISSN e2395-1990, IJSRSET ,ISSN,2019, e2394-4099;6(5):21-8.
20. Jhansi Ramani K, Bhagyalakshmi M, Hemalatha S. Relationship between Emotional intelligence and self esteem among 1st yr BSc N students, CON Tirupathi, IOSR, 2019 eISSN2320-1959;8(5):60-9.
21. Uhaa M, Bhagyalakshmi M, Hemalatha S, Sudharani P. A study to assess the effective ness of STP on prevention substance abuse among adolescents selected schools in Tirupathi, IOSR, 2019,eISSN2320-1959,pISSN2320-1940;8(5):1-11.
22. Kanmani S, Bhagyalakshmi M, Hemalatha S, Sudharani P. A study to assess the knowledge and

- attitude among the family members of the patient under going the ECT ,SVIMS,Tirupathi. IOSR, eISSN2320-1959, pISSN2320-1940;8(5):23-30.
23. Sukanya BE, Bhagyalakshmi M, Hemalatha S. A Study to assess the emotional maturity and motivation among adolescents of working mother in selected secondary schools, Tirupati, A.P. International journal of scientific research in science, engineering and technology, ISSN 2395-1990, volume 6 (5), Sep – Oct 2019, pg.no.131-137.
 24. Lalithakumari T, Dr. S. Hemalatha, Dr. M. Bhagyalakshmi, Assessment of quality of life and life satisfaction among senior citizens in selected areas of Tirupati. IJHSR,2019, 9;(5):233-41.
 25. Hemalatha S, Bhagyalakshmi M, Kiranmayee K. Assessment of study skills among IX class students of Tirupati,A.P. IJAR, Impact factor:5.2, :5(2):203-6.
 26. Kalpana T, Hemalatha S, Bhagyalakshmi M. Assessment of the level of knowledge among adolescents on selfi syndrome in selected college. Tirupati, A.P. 2019, IOSR,eISSN2320-1959; 8(4)55-64.
 27. Hemalatha S, Rajyayalakshmi A, Bhagyalakshmi M. Assessment of adjustment pattern among Ist year BSc N students at CON ,Tirupathi.A.P. IJAR 2019; ISSN e2394-5869;5(7):37-41.
 28. Swathi M, Hemalatha S, Bhagyalakshmi M. Assessment of the knowledge regarding Alzheimer's disorders among senior citizens in selected community at Tirupati,A.P. IJHSR, 2019, ISSN,2249-9571,9(9)275-280.
 29. Bhagyalakshmi M, Hemalatha S. Assessment of knowledge on organ donation among degree college students at selected colleges Tirupati, A.P. ISSN e2395-1990, IJSRSET ,ISSN,2019, e2394-4099 ,6(5):21-8.
 30. Jhansi Ramani K, Bhagyalakshmi M, Hemalatha S. Relationship between Emotional intelligence and self esteem among 1st yrBsc N students, CON,Tirupathi, IOSR, 2019 eISSN2320-1959;8(5):60-9.
 31. Uhaa M, Bhagyalakshmi M, Hemalatha S, Sudharani P. A study to assess the effective ness of STP on prevention substance abuse among adolescents selected schools in Tirupathi, IOSR, 2019,eISSN2320-1959,pISSN2320-1940;8(5):1-11.
 32. Kanmani S, Bhagyalakshmi MS, Hemalatha, Sudharani P. A study to assess the knowledge and attitude among the family members of the patient undergoing the ECT ,SVIMS, Tirupati. IOSR, ISSN2320-1959, ISSN2320-1940, 8(5):23-30.
 33. Sukanya BE, Bhagyalakshmi M, Hemalatha S. A Study to assess the emotional maturity and motivation among adolescents of working mother in selected secondary schools, Tirupati, A.P. International journal of scientific research in science, engineering and technology, ISSN 2395-1990, 2019;6(5):131-7.
 34. Kokilamma B, Neela Roja, Sudha Rani P, Sreelatha M. Knowledge regarding child abuse among the mothers attending selected Anganwadi centers, Tirupati IETIR, 2019, 6(6) ISSN- 2349-5162.
- Paper under review:**
35. Nagarathnam M. Effects of demographic, social and clinical variables on burden, coping strategies & quality of life in care givers of patient undergoing peritoneal dialysis in India, Indian Journal of Mid life, under review.
 36. Sreelatha M. A study to assess the knowledge regarding food taboos among primi mothers attending MCH centre, Tirupati
 37. Sreelatha M. Effectiveness of video assisted teaching programme on knowledge regarding 5 F's of disease transmission among children of selected schools, Tirupati
 38. Sreelatha M. A study to assess the knowledge regarding refractive errors and related risk factors among school children of Tirupathi.
 39. Dhanusha S. A Comparative study to assess the effect of different maternal position during non stress test (NST) on maternal and foetal biophysiological parameters among antenatal mothers in Antenatal OPD, SPMC, Tirupati.

40. Divya Sree V. A study to assess the reproductive health practices and quality of life of higher secondary / adolescent girls in selected schools / colleges, Tirupati.
41. Usha Kiran C. Effect of structured teaching programme on folic acid supplements in prevention of congenital anomalies among undergraduate students in a selected college Tirupati.
42. Usha Kiran C. A study to assess the quality of life among gynecological oncology patients at SVIMS OPD, Tirupati.
43. Kokilamma B. A study to assess the knowledge on nursing informatics among nursing students at College of Nursing, SVIMS, Tirupati
44. Kokilamma B. A study to assess the effectiveness of skill training on PPE technique among B.Sc (N) students at SVIMS, Tirupati
7. II Year M.Sc Nursing students attend Oncology Gold Medical Chair oration on 28-03-19.
8. I Year B.Sc Nursing students attended ParamabarsaYogananda centenary scholarship for professional course students at Main Building of S.V. University, College of Engineering, Tirupati on 31-03-19.
9. I & II Year M.Sc Nursing & IV Year B.Sc Nursing students attended Tirumala Duties at Aswini Hospital, Tirumala from 20-04-19 to 20-06-19
10. II Year M.Sc Nursing students attended Medical camp at Central Hospital, TTD AD Building on 01-06-19 to 10-06-19
11. I,II, IV Year B.Sc (N) , I & II Year M.Sc Nursing students attended International Yoga at common Hall, College of Nursing, from 03-06-19 to 04-06-19.

40.5 Other Academic Activities

1. IV Year B.Sc (N) & I Year M.Sc (N) students attended and participated in pink bus camp on 13-01-19, 25-01-19, 08-03-19, 31-07-19, 02-10-19, 12-10-19, 09-10-19, 14-10-19, 17-10-19, 27-10-19, 29-10-19, 30-10-19, 05-11-19, 07-11-19, 09-11-19, 13-11-19, 14-11-19, 17-11-19, 25-11-19, 27-11-19, 06-12-19, 08-12-19, 10-12-19, 24-12-19, 21-12-19, 28-12-19, 31-12-19.
2. I & II Year M.Sc Nursing students attended Community CPR training participated on 04-02-19, 05-02-19, 07-02-19, 08-02-19, 11-02-19, 12-02-19, 13-02-19, 14-02-19, 25-02-19, 16-02-19, 18-02-19, 19-02-19, 20-02-19, 23-02-19, 03-09-19, 04-09-19.
3. I & II Year M.Sc (N) students attend pulse polio duty at Tirumala on 10-03-19.
4. I & II Year Breast Cancer & Breast Self Examination awareness Programme on 10-12-19 & 31-12-19.
5. II, III & IV Year B.Sc Nursing students attended pulse polio duty at Tirupati from 10-03-19 to 12-03-19.
6. II & III Year B.Sc Nursing students attend World TB on 24-03-19.
12. I, II, III & IV Year B.Sc (N), I & II Year M.Sc Nursing students attended International Yoga Day on 21-06-19.
13. Narayana Institute of Medical Health Sciences Medical Scribing conducted Campus Interview on 2-06-19 for IV Year B.Sc (N) students > 60 % of students were selected
14. II Year M.Sc (N) students attended CME at Narayana Institute of Medical Sciences, Nellore from 18-07-19 to 20-07-19.
15. SRM University, Chennai conducted Campus Selections on 29-07-19 in Common Hall, College of Nursing for IV Year B.Sc Nursing students.
16. II Year M.Sc Nursing students attended NABH Workshop on 09-08-19.
17. All B.Sc (N) & M.Sc (N) students are participated Swatchh SVIMS of every week of Friday.

41.0 COLLEGE OF PHYSIOTHERAPY

Professor & Principal i/c

Dr K. Madhavi

Faculty

Dr A. Viswanath Reddy
Dr V. Srikumari

Mr C. Shanthi
Mr K. Senthil Kumar

Tutors

Mr C. Govardhan
Ms N. Kavitha

Mr M. Suresh Kumar
Ms G. Kameswari

Mr S. Raghava Krishna

41.1 Awards, achievements and felicitations

1. **Dr A. Viswanath Reddy**, Associate Professor has received “**Significant Achievement Award**” by (IAP) Indian Association of physiotherapist 57th Annual Conference at Bangalore on 2nd February 2019.

41.2 Research projects:

1. A project sanctioned by department of social justice and empowerment (Scheme for implementation of persons with disability act, SIPDA) granted for 50 lakhs and is under process. Two Urinals constructed under SIPDA scheme at SVIMS main entrance pathway.

Ongoing Research project

Principal Investigator: Dr A. Viswanath Reddy, as follows

1. **Title:** Influence of aerobics Vs Indoor cycling on body composition and lung function in overweight and obese female subjects (IEC No:666, approved by IEC on 14.08.2017).
2. **Title:** A comparative study on the effective of paraffin wax therapy with manual mobilization versus ultrasound therapy with manual mobilization on pain, range of motion and functional status of shoulder in diabetic subjects with adhesive capsulitis” Co-investigators Dr.K.Madhavi Professor and Principal i/c and Mr.S.Raghava Krishna, faculty of physiotherapy. Institutional ethics committee of SVIMS reviewed the research protocol on 11.01.2016 and approved by IEC (No: 502) on 13.02.2016.

41.3 Research Work

Theses submitted

1. **Senthil Kumar K.** Effectiveness of a early mobilization and structural cardiac rehabilitation on functional outcome and quality of life following coronary artery by-pass graft – a randomized controlled trail (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dissertation submitted

1. **Anjani S.** Effect of teletherapy on glycemic control, physical activity and quality of life in type-2 diabetes mellitus individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
2. **Charan Kumar PR.** To study the efficacy of chair aerobic exercises on cognitive functions, physical activity and quality of life in geriatric population (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Sarada.** To study the efficacy of aerobic exercises and yoga asanas on pain, menstrual distress, physical activity in subjects with primary dysmenorrheal (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
4. **Himabindu K.** Comparison of kinesiology taping versus arm sling on shoulder subluxation and shoulder function in subjects with sub-acute stroke patients (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
5. **Rabiya Sk.** A comparative study of spring assisted kinesiointaping technique and ankle eversion

- kinesiotaping technique on dynamic balance and gait velocity in chronic stroke patients with foot drop (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
6. **Vyshnavi.** Effect of neural mobilization on pain and functional activity of lower limb in subjects with piriformis syndrome (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 7. **Ramya Krishna** “To study the effects of neural mobilization on median and ulnar nerve on neural flexibility for desktop workers (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 8. **Siva Harish N.** Effectiveness of hip and knee strengthening Vs knee strengthening alone on pain, range of motion and functional activity in patella femoral pain syndrome individuals – Randomized control trail (RCT) (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 9. **Sruthi P.** Influence of abdominal strength on pelvic angle and quality of life in subjects with mechanical back ache (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 10. **Nagarjuna K.** “Effects of ballistic training versus Nordic hamstring curls on sprint performance in recreational sprinters (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 11. **Navya Sri A.** Effects of core stability exercises and suryanamaskara on balance in female badminton players (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 12. **Teja P.** Effectiveness of sprint versus plyometric training on the strength of knee musculature and agility in collegiate male cricket players (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
 3. **Jaya Prakash L.** Effect of PNF stretching and conventional physiotherapy on ROM and flexibility in text neck posture individuals.
 4. **Jayachitra DV.** Effect of myofascial, trigger point release Vs. muscle energy technique on pain, and function in individuals with chronic plantar fasciitis (MPT).
 5. **Geervani R.** Influence of positioning and breathing exercises on lung function and ABG parameters in postoperative CABG individuals (MPT).
 6. **Sai Sandeep P.** The influence of aerobic exercises through telehealth on cardiorespiratory fitness in middle age group individuals (MPT).
 7. **Suseela D.** Effectiveness of integrated, neuromuscular inhibition technique (INIT) on pain, ROM, quality of life in non – specific mechanical neck pain in computer operating individuals (MPT).
 8. **Reddeppa MN.** An observational study of hamstrings and quadriceps ratio among the athletes (MPT).
 9. **Sahithya M.** Effects of muscle energy techniques and proprioceptive training on pain and disability in mechanical low back pain for staff nurse population (MPT).
 10. **Balaji S.** Efficacy of LLLT on pain jaw movement and equality of life in oral mucositis individuals with post chemotherapy head and neck cancer patients (MPT).
 11. **Navyacharitha K.** Effect of muscle energy technique on shoulder pain, range of motion, functions in patients with periarthritis shoulder (MPT).
 12. **Sabithakanna P.** Effectiveness of myofascial release technique with ultrasound versus positional release technique with laser in upper trapezius individuals (MPT).
 13. **Manasa K.** Efficacy of cryostretches with ultrasound versus ultrasound with weight bearing exercises on plantar flexors spasticity in the subjects with stroke (MPT).

Ongoing Dissertation work

1. **Mohammad Ali.** An observational study on the ratio of isokinetic strength of shoulder internal and external rotators in male cricket bowlers (MPT).
2. **Sreekanth R.** Efficacy of task specific training on motor performances of upper limb in stable stroke patients (MPT).

14. **Anil Kumar SS.** Efficacy of truncal exercises on balance and mobility in early ischemic stroke (MPT).

41.4 Conferences attended and lectures delivered

1. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari, Dr K.Senthil Kumar, Dr C.Govardhan, Dr N.Kavitha, Dr M.Suresh Kumar, Dr S.Raghava Krishna**, has participated and delivered lecture on “Stress management” by Premanand College of physiotherapy at SVIMS, Tirupati on 30th December 2019.
2. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari, Dr K.Senthil Kumar, Dr C.Govardhan, Dr N.Kavitha, Dr M.Suresh Kumar, Dr S.Raghava Krishna**, has participated in the work shop on Transcranial Direct Current Stimulation (TDCS) organized by College of physiotherapy at SVIMS, Tirupati during 6-7 December 2019.
3. **Dr C. Shanthi**, has attended “curriculum development programme for building rural residences” at SPMVV, Tirupati on 7th December 2019.
4. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari, Dr N.Kavitha, Dr M.Suresh Kumar, Dr S.Raghava Krishna**, has attended 17th National Inter District Junior Athletic NIDJAM–2019 at S.V.University stadium, Tirupati during 23-25 November 2019.
5. **Dr C.Shanthi**, has attended faculty development programme on rural immersion and community engagement organised by NSS bureau, SPMVV in collaboration with MGNCRE, Hyderabad at SPMVV, Tirupati during 15-19 October 2019.
6. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari, Dr K.Senthil kumar, Dr C.Govardhan, Dr N.Kavitha, Dr M.Suresh Kumar, Dr S.Raghava Krishna, Dr C Archana, Dr T.Jahnavi, Dr K.Asha Jyothi, Dr A.Srikanth, Dr U Siva Kumar**, has Participating in Assertive Communication and Working with Collaboration Organized by the college of physiotherapy, SVIMS, Tirupati on 12th September 2019.

7. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari, Dr K.Senthil Kumar, Dr C.Govardhan, Dr N.Kavitha, Dr.M.Suresh Kumar, Dr S.Raghava Krishna, Dr C. Archana, Dr.T.Jahnavi, Dr K.Asha Jyothi, Dr A.Srikanth, Dr U.Siva Kumar**, has participated in “Panel Discussion on “Chronic pain- overall management on the occasion of world physiotherapy day” organized by college of physiotherapy at SVIMS, Tirupati on 25th September 2019.
8. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr.C.Shanthi, Dr.V.Srikumari, Dr.K.Senthil kumar, Dr.C.Govardhan, Dr.N.Kavitha, Dr.M.Suresh Kumar, Dr.S.Raghava Krishna**, has Participated in Guest lecture on Spinal Curvatures, Structural & Functional deformities by Dr Naveen from NIMS organized at College of Physiotherapy, SVIMS,Tirupati on 1st August 2019.
9. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr.C.Shanthi, Dr.V.Srikumari, Dr.K.Senthil kumar, Dr.C.Govardhan, Dr.N.Kavitha, Dr.M.Suresh Kumar, Dr.S.Raghava Krishna** has Participated in Guest lecturer on Shoulder injuries. By Dr Shravan (NIMS), organized at college of physiotherapy (SVIMS)Tirupati on 8th August 2019.
10. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr.C.Shanthi, Dr.V.Srikumari, Dr K.Senthil kumar, Dr C.Govardhan, Dr N.Kavitha, Dr M.Suresh Kumar, Dr S.Raghava Krishna**, has participated in Guest lecture on Neuronal plasticity by Dr.Varadharajulu (KIMS UNIVERSITY) organized at College of Physiotherapy, SVIMS, Tirupati on 17th August 2019.
11. **Dr C. Shanthi**, has attended physiotherapy conference “Women’s health current practice guidelines” at Kolar on 8th March 2019.
12. **Dr C.Shanthi**, has attended Niatelim experiential learning organized by SPMVV Tirupati on 6th August 2019.
13. **Dr V.Srikumari**, participating in the 1st corporate conference of IAP, “Redefining corporate collaboration in physiotherapy, exploring new opportunities with the new Horizon at Indore during 13-14 April 2019.

14. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr.C.Shanthi, Dr.V.Srikumari, Dr.K.Senthil kumar, Dr.C.Govardhan, Dr.N.Kavitha, Dr.M.Suresh Kumar, Dr.S.Raghava Krishna**, has participated in the work shop on Integrated manual therapy organized by the college of physiotherapy, SVIMS Tirupati during 11-13 March 2019.
15. **Dr V.Srikumari**, has Participated in the “National conference on Physiotherapy in women’s health – current practice guidelines” organized by department of integrative medicine, Dept. of OBG and WOMEN empowerment cell, SDUAHER on March 2019.
16. **Dr C.Shanthi**, has attended CPR awareness programme at Kalikiri on 23rd February 2019.
17. **Dr C. Shanthi, Dr A.Viswanath Reddy**, has attended 57th IAP conference and presented paper on “A study of knowledge of physiotherapy in antenatal care among pregnant women” at Bangalore during 1-2 February 2019.
18. **Dr K.Madhavi, Dr V.Srikumari, Dr K.Senthil Kumar, Dr T.Jahnavi, Dr K.Asha Jyothi, Dr A.Srikanth**, attended National conference APPCON 2019 conducted by APPTA and PAV at GIMSR, Vishakhapatnam during 24-25 January 2019.
19. **Dr K.Madhavi**, has attended as chief patron and resource person on role of “cardiorespiratory fitness in health sector” National conference APPCON 2019 conducted by APPTA and PAV at GIMSR, Vishakhapatnam during 24-25 January 2019.
3. Sai Vyshnavi, Srikumari V, Madhavi K. A comparative study on efficacy of neural mobilization and laser on pain and functional activity of lower limb in subjects with piriformis syndrome. Int Edu Sci Res J 2019;5(9):115-21.
4. Anjani S, Madhavi K, Suresh Kumar M. Effect of telehealth on glycaemic control, physical activity and quality of life in type 2 diabetes mellitus individuals. Int Edu Sci Res J 2019;5(8):19-29.
5. Rabiya SK, Srikumari V, Madhavi K. A comparative study of ankle eversion kinesiotaping technique & spring assisted kinesiotaping technique on dynamic balance and gait velocity in chronic stroke patients with foot drop. Int Edu Sci Res J 2019;5(8):142-51.
6. Polavaram Teja A, Viswanathreddy A, Madhavi K. Effectiveness of sprint training versus plyometric training on strength of knee musculature and agility in collegiate male cricket players. Int Edu Sci Res J 2019;5(8):34-43.
7. Siva Harish N, Shanti C, Madhavi K. Effectiveness of supervised vs unsupervised hip and knee strengthening exercises on pain, range of motion and functional activity in patello femoral pain syndrome individuals. Int Edu Sci Res J 2019;5(8):53-60.
8. Saradha S, Madhavi K, Kavitha N. To study the efficacy of aerobic exercises and yogasanas on pain, menstrual distress, physical activity in subjects with primary Dysmenorrhea. Int Edu Sci Res J 2019; 5(8):67-73.

41.5 Publications

1. Hima Bindu K, Srikumari V, Kameswari G, Madhavi K. Comparisons of kinesiotaping versus arm sling on shoulder function and extent of shoulder subluxation in subjects with sub-acute stroke. Int Edu Sci Res J 2019;5(10):39-47.
2. Charan Kumar PR, Madhavi K, Sharan Singh, Katyarmal T, Asha Jyothi K. The efficacy of chair aerobic exercises on cognitive functions, physical activity and quality of life in geriatric population in tertiary care centre in Tirupati. Int Edu Sci Res J 2019;5(9):83-9.

9. Saddam Hussain Shaik, Shanti C, Senthil Kumar K, Madhavi K. Compare the effectiveness of Maitland mobilization and Mulligan mobilization with movement on functional index in females with knee osteoarthritis. Int Edu Sci Res J 2019;5(3):38-46.

41.6 Guest lecture organized by College of Physiotherapy by

1. Dr.S. Premanand from National career service, RSVP would like to deliver a lecture on “Stress Management” on 10th December 2019.

2. Dr Sivakumar, Principal, Physiotherapy, SRMC, Chennai at Physiotherapy College, SVIMS, Tirupati on 16th December 2019.
3. Dr S. Premanand from National career service, RSVP delivered a lecture on “Stress Management” on 30th December 2019.
4. Mrs Sripriya, management consultant from Chennai “Assertive communication and working with collaboration” at college of physiotherapy auditorium on 12th September 2019.
5. Maharshi Sagar on “Ethical Values” in physiotherapy college at 2:00 pm to 4:00 pm at college of physiotherapy auditorium on 6th September 2019.
6. Dr Naveen Kumar, NIMS, Hyderabad on “Vertebral column” at college of physiotherapy auditorium on 1st August 2019.
7. Dr Sravan NIMS, Hyderabad on “Shoulder injury” at college of physiotherapy auditorium on 8th August 2019.
8. Dr Varadharajulu, KIMS, Karad, on neural plasticity at college of physiotherapy auditorium on 17th August 2019.
9. Dr ArunMaiya, Associate Dean, MAHE, Manipal on “Exercise prescription for adults and children” on 19th January 2019.

41.7 CMEs/Seminars/Workshops/Orations conducted by the department.

1. A workshop was organized by college of physiotherapy on “Transcranial direct current stimulation” by Dr.Ajay Neuro physical therapy consultant, KIMS, Hyderabad during 6-7 December 2019.
2. The college of physiotherapy has organized physiotherapy day CME programme at Auditorium, SVIMS, Tirupati on 25th September 2019.
3. Organized women self-protection by SETVEN and college of physiotherapy, SVIMS, Tirupati. SETVEN, department of youth services conducted awareness programme on “Women Protection” at College of physiotherapy, SVIMS, university,

Tirupati under leadership of Dr.B.Vengamma, Director cum Vice-Chancellor, SVIMS university, Tirupati on 5th December 2019. The following speakers were invited.

01. Dr.Muralikrishna, CEO, SEVEN.
02. Dr.KrishnaPrasanthi, Senior consultant Physician.
03. Dr.Seethakumari, Professor Law Department.
04. Shri. Murali Krishna, DSP.
05. Ms.Swathi, SI &Ms.Sumathi from SHE team.
06. Dr.K.Madhavi, Professor and Principal presided over the programme.
07. Dr.B.Vengamma addressing the gathering, advised that girls should be able to understand the psychology of the persons whom they are interacting, develop self-confidence and develop social cognitive knowledge.
08. Dr.KrishnaPrasanthi was motivating the students to be aware of the incidents in and around us, get mentally prepared to face the situations.
09. Ms.Swathi asked the girls to be more cautious and alert when girls are moving outside, avoid moving out late night and lonely places.
10. Ms. Sumathi encouraged the girls to be more bold and bravely face any type of situation.
11. Dr.Murali Krishna, DSP asked girls to be more vigilant with the situation and be caution by sharing location, taking photos of auto person and numbers plates.
12. Mr.Kiran Secretary Sports demonstrated JUDO techniques for self-defence.
13. The programme created lot of awareness among the students.

Public talk:

1. Delivered Speeches on “Importance of Physiotherapy in Normal and Diseased in youth” in All India Radio Programmes regularly.
2. Delivered physiotherapy awareness programme in walker Association in Tirupati in various voluntary organizations in Tirupati.

41.8 Other academic activities:

Dr K.Madhavi, Professor, attended as

1. External examiner at various universities.
2. Appointed as Chief Warden for Girls Hostel, SVIMS.
3. Appointed as leader for patient mobility group, SVIMS.
4. Appointed NABH – HRM member.
5. Organized Swatchh SVIMS -2019 (as a SVIMS Leader for College of physiotherapy).
6. BLS & ACLS course by AHA.

Dr C. Shanthi, has nominated as a library stock verification committee member.

Dr.K. Senthil Kumar, has

1. Appointed as Assistant Dean (students affairs).
2. Nominated as a library stock verification committee member.
3. Attended BLS course AHA.
4. International peace day was organized on 21st September 2019.
5. Organized teacher's day at college of physiotherapy, Tirupati, on 5th September 2019.
6. Organized International Yoga day at SVIMS, Tirupati on 16th June 2019.

7. Our students and staff participated in “Swatch SVIMS” every week staff and students.

8. Participated in medical camp conducted by SVIMS.

Extracurricular activities by students for the year 2019.

· 4th June 2019 Garden City University conducted National physiotherapy sports meet ENTHUSIA – 2019 at Bangalore. (All India sports meet for physio)

· Volley ball men – Winners

Team: Mr.Sk. Mohammad Ali, Mr.Jagadeesh, Mr. Lokesh, Mr.Dheeraj, Mr.Bharath, Mr.Kishore, Mr.Diwakar, Mr.Kasthuraiah, Mr.Sasi Kumar, Mr.Srikanth

· Shuttle badminton – winners

Mr.Sk. Mohammad Ali, Mr.N.Jagadeesh©

· Shuttle badminton – Runners

Mr.Bharath, Mr.Dheeraj

· 28th May, 2019 VAPMS college conducted Inter physiotherapy sports meet at Vizag.

· Volley ball men – Winners

Team: Mr.Mohammad Ali, Mr.Jagadeesh, Mr. Lokesh, Mr.Dheeraj

Mr.Bharath, Mr.Kishore, Mr.Diwakar, Mr.Kasthuraiah, Mr.Sasi Kumar, Mr.Srikanth

· Shuttle badminton – winners

Mr.Sk. Mohammad Ali, Mr.N.Jagadeesh



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



VIII. CENTRAL FACILITIES



VIII. Central Facilities

1.0 IT DEPARTMENT

The Hospital Management System [HMS] in SVIMS was implemented in the year 2013, and till now we are following the workflow based ICT solution. This HMS covers the patient registration and admission system, admission-discharge-transfer (ADT) process, outpatient and inpatient billing, company & insurance billing and reimbursement procedures, and is integrated with laboratories. It includes the clinical workstation that is an interface by which doctors can view patient data. Pharmacy and inventory programme was full fledgedly implemented.

Objectives and project developments in the year 2019:

1. To develop a fully integrated HMS for various areas of the hospital – Emergency Services, Operation Theatre, Diagnosis and MIS Reports.
2. To develop an integrated, user friendly Clinical workstation for doctors to view results, clinical data, and inpatient lists, order investigations and prescriptions; and generate medical reports and discharge summaries – all at a single click.
3. To allow acquisition and availability of relevant real-time information and allow billing to be automated with data entry as well as introducing various Smart techniques in billing mode.
4. To ensure transaction security and minimize human errors.
5. All HMS modules are integrated with the billing module, credit and insurance billing, and reimbursements with departmental revenue reports.
6. Executing File Movement / Tracking system using e-office environment for the welfare of patients and employees.

Other Technologies / solutions employed for Patient better service through Hospital Management system

1. Laboratory reports are delivered through Mobile App for patient viewing after, visit to the hospital.
2. Payment is also possible via credit card/Debit card etc through swiping and Credit authorization for cashless transactions and reimbursement for patients.

3. Customized SMS Gateway for alerts to employees and patients through Mobile
4. Surgery and Anaesthesia Management with scheduling in offline database mode
5. Pharmacy and Inventory management –purchase order Management integrated with Finance module and Inventory/Pharmacy Transaction. Prices program developed as per the administration orders
6. Implemented STAT SERVICES under Emergency Medicine department with online order entry and sample collection and also templates created for Virology Free Tests as a new innovated module and implemented sample collection format.
7. SVIMS clinic was established with sufficient LAN connectivity for serving TTD Employees and SVIMS Staff with exclusive counters.
8. Cfar building was also provided with Internet connectivity for e-hospital, e-office with new located departments like Virology, Bioinformatics, Biostatistics with about 60 connections.
9. Sri Padmavathi women hospital was established with 5 block connectivity having 460 connections for the utilization of Hospital management system in future.

Innovative practices in Patient care services:

1. No Q Appointment system through Mobile phone with a change in time for advance day booking.
2. Added nine new services under No Q for token generation.

Future Road map on Upgradation / Integration on all IT related aspects

1. IVRS Appointment system using Multiple portals (Manual, Web, Smart Card etc)
2. The main aim for the future is moving towards a paperless hospital with Electronic Medical records (EMR) and a good decision support system.
3. ERP Solutions for service book payroll, Academics, Library is going to be introduced in coming future.

4. Paperless Blood collection area: lab analyser environment will be linked with a pneumatic chute system to transfer samples from the collection point to lab areas, thus minimizing delay and human error
5. A system of optional alerts for lab results which are grossly abnormal or presumed to have a high clinical impact
6. Surgery and Anaesthesia Management with scheduling, automated billing and logbooks for doctors
7. Pharmacy management – Quotations and Purchase Order Management integrated with Finance module, Stores, Dispensing and Returns.
8. Patient clinical Hand-off mechanism introducing for first time in SVIMS hospital for total diagnosis information of the patient from time to time by doctors with in 24 hours.

The HMS has resulted in a tremendous increase in efficiency at all levels of the health care delivery process within SVIMS - allowing prompt service, reducing costs, minimizing the margin for human error and providing a tool for Continuous Quality Improvement (CQI) strategies by SVIMS.

The Hardware related to HMS (Hospital Management System) and Departments usage is about 548 Personal computers and Internet usage is for about 442 clients, 375 printers, 82 LCD projectors, 55 scanners , Barcode scanners and Barcode printers

When compared to previous year with the gradual increase of patient flow and academic work includes additional procurement of 32 Personal computers , 27 printers and 8 scanners during the year 2019

Internet services through NKN (National knowledge Network):

NKN is designed to provide high availability, Quality of Service, Security and reliability. Our institution is facilitated with 100Mbps robust bandwidth speed.

1. The Gradual Increase with 42 connections during the year 2019 when compared to previous years are 400 in number under the Utilization of the Internet for academic work as well as research.

2. WiFi access to SVIMS campus and neighbouring buildings
3. Tumor board Cancer wing was developed in Oncology unit under the supervision of IT Department for the linkage with cancer Network hospitals for the utilization of internet for Patient research and academic purpose.

2.0 CENTRAL LIBRARY

The Institute has an excellent Central Library - Sri Balaji Centre for learning spanned over G+1 with 42,000 Sfts. The ground floor consisting reading rooms for faculty, P.G. doctors, paramedical students, two personal reading rooms and e-library with 35 nodes. The second floor consist of reading halls for M.B.B.S, students, and interneers, current journals room, mini seminar hall, hall for library committee meeting and back volumes stack room.

Working Hours: 8.00 A.M. To 12.00 Midnight (16 hours)

Resources:

1. Total books	11583
2. Back volumes of bound journals	6868
3. Non-book materials	018
4. Dissertation collection	1482
5. Current journals (2019)	150 (Foreign-81: Indian- 69).

E-Resources:

1. ERMED CONSORTIUM: National Medical Library, New Delhi providing access to 241+ E-journals on free of cost.
2. The National Cancer Grid: Tata Memorial Hospital, Mumbai (TMH, Mumbai) providing free access to 'Clinicalkey' (Elsevier) and few OVD SP Journals (Elsevier 117 E-Journals: 87 E-Books, Wolter Kluwer E-Journals 16 and one e-book).

Budget:

The SVIMS Finance Committee sanctions Rs. One Crore (Approx) every year for subscription of print journals and Rs.25.20 Lakhs for purchase of medical books. The expenditure for procurement of print journals and medical books will be met from the Research and Development funds (R & D) of Sri Balaji Arogyavaraprasadini scheme.

Services

1. OPAC (On-Line Public Access Catalogue) Service – The Central Library Online Public Access Catalogue (OPAC) allows users to search the entire catalogue online, conveniently and quickly, using one or more search criteria. One can search the OPAC by author, title, keywords, class number or one or more of these combined together.
2. The audio-visual materials are in CD/VCD/CD ROM/DVD formats and are available to the users free of cost.
3. Photocopying service is also available with nominal cost of ie.0.50 Paise per copy.
4. Bibliographic Services
5. Circulation Services
6. Reference Services
7. Book Reservation services
8. User Awareness Programs Central Library organized every year User Training Programme for Library users for using E- Resources, Library services.
9. Books classification is done according to the 23rd Dewey Decimal Classification.

Library committee:

1	Dr.M. Hanumantha Rao	Senior Professor, Dept. of Anesthesiology	Dean Chairman – Library Committee
2	Dr. K.V. Sreedddhar Babu	Professor & Head, Dept. of Transfusion Medicine	Registrar
3	Dr. B. Vijayalakshmi Devi	Professor, Dept. of Radiology	Member
4	Dr. Sharan B Singh	Professor, Dept. of Physiology	Member
5	Mr. S.V.V.S. Prasad	Accounts Officer	Member
6	Mr. D.V. Dilip Kumar	Dy. Director, Academic Section	Member
7	Dr. P. Sudha Rani	Principal I/c, College of Nursing	Member
8	Mr. K. Neelakanta Chetty	Librarian	Convener

Library staff:

1. Sri. K. Neelakanta Chetty Librarian (Adhoc)
2. Dr. A. OMKAR MURTHY, Asst. Librarian
3. Library Assistants 9 Nos. Outsourced

3.0 CENTRAL RESEARCH LABORATORY

The Central research laboratory is well established in this institute with the state of the art facilities such as thermocyclers (PCR machine), Real-time PCR, spectrophotometers, electrophoretic instruments with gel documentation facility, flow cytometry, refrigerated centrifuges, laminar air flows and cell culture facility which will be effectively utilized to analyse nucleic acids, proteins and identifying cells and organelles. As these will facilitate the faculty, research scholars and students to abreast keep themselves with the technical advancements in the field of experimental medicine.

The central research laboratory of the institute at present caters to: a) regenerative medicine b) genetical analysis of various diseases to understand the progression and cause of disease and c) understanding of pathogenic mechanisms of Staphylococcus aureus for the development of antimicrobials.

4.0 RIGHT TO INFORMATION (RTI) ACT

The Institution had been implementing Right to Information ACT since from its enactment in October 2005. The citizens are being provided information about SVIMS as requested and as per the permissible provisions of RTI. The Institute regularly receives applications under RTI and all the requests are met with providing of information and denial of information under the provisions of RTI ACT. The Institute had received 17 representations and 6 appeals in 2019. The Institute will continue to implement the ACT in true letter and spirit

5.0 ANIMAL HOUSE

The Animal house at SVIMS was developed in 2004 and was maintained by the Dept. of Microbiology. In 2016, it was handed over to the Dept. of Pharmacology & from then onwards it is being maintained by Pharmacology department.

On 28-04-18 Shri. K.R. Navaneetha Krishnan, Assistant Director, GLR Laboratories Pvt. Ltd, Chennai, the authorized representative of CPCSEA, Govt. of India, Ministry of Environment Forest & Climate Change (Animal Welfare Division) conducted inspection of SVIMS Animal House and submitted the report to CPCSEA.

The inspection was successful and the nominee recommended CPCSEA for approval with following suggestions:

1. Entry and exit into the animal facility is to be done with separate doors.
2. AC or AHU required to maintain controlled environment with CPCSEA recommendation for maintaining temperature and humidity in animal rooms.
3. Storage area to be demarked
4. Depending on animal test room dimensions, it is recommended for housing small lab animals (rats/mice) at single time.
5. For housing on animal test room dimensions, it is recommended for housing small lab animals (rats/mice) at single time.

SVIMS animal house Establishment got registered with CPCSEA for the purpose of “Research for Education Purpose on Small animals”. The registration number of Animal House Facility is 2036/GO/Re/S/18/CPCSEA and registration is valid for five years from 28-09-2018 to 27-09-2023.

A New Animal house is approved by APSMIDC for construction as per the specifications of CPCSEA requirements.

CPCSEA accepted the following as IAEC, SVIMS members

S. No	Name of the IAEC Members	Designation in IAEC
01	Dr. Sharan B. Singh	Scientist from different discipline, (Chairperson)
02	Dr. K.R. Subash	Biological Scientist, (Member Secretary)
03	Dr. K. Umamaheswara Rao	Scientist from different discipline
04	Dr. PVGK Sarma	Scientist Incharge of Animal House Facility
05	Dr. R.V. Suresh	Veterinarian

CPCSEA nominated the following members to IAEC, SVIMS

No.	Details of Nominee (s)	Nominated as
01	Prof. K. Sathyavelu Reddy Professor, Dept. of Zoology, S.V.U. College of Sciences, S.V. University, Tirupati- 502, Andhra Pradesh,	Main Nominee

02	Prof. R.Nagaraju Institute of pharmaceutical technology, Sri padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, A.P.	Link Nominee
03	Dr. Santhrani Thakur Professor, Institute of pharmaceutical Technology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, A.P..	Scientist from outside of the Institute
04	Prof. of Y.V. Rami Reddy Sri Venkateswara University, Tirupati – 517 502, A.P.	Socially aware Nominee

As requested by CPCSEA a meeting was convened with constituted IAEC members on 16-05-2019 and the minutes of the meeting were forwarded to the O/o CPCSEA, New Delhi.

6.0 ADVERSE DRUG REACTION MONITORING CENTRE

Adverse Drug Reaction Monitoring Centre (AMC) at Sri Venkateswara Institute of Medical Sciences, Sri Padmavathi Medical College for Women was recognized by Indian Pharmacopoeia Commission [National Coordination Centre (NCC) for Pharmacovigilance Programme of India (PvPI)], an autonomous organisation of Ministry of Health and Family Welfare, Govt. of India, Ghaziabad in the year of 2015. Since then it was functioning with the coordination of Department of Pharmacology. Dr. K. Umamaheswara Rao (Prof. & HOD of Pharmacology) is the coordinator, Dr. K. Vijaya Chandra Reddy (Assistant prof. of Pharmacology) is the deputy coordinator & is supported by PVPI representative Dr. U. Jhansi Rani is Patient Safety Pharmacovigilance Associate. Total 318 Adverse Drug Reactions were reported from various departments of SVIMS from January, 2019 to December, 2019.

Activities:

1. Displayed posters on Pharmacovigilance in all IPDs & OPDs.
2. Availability of suspected Adverse Drug Reaction Reporting forms to all nursing stations at all times.

3. 34 ADR notification drop boxes (red boxes) were fixed in all IPDs & OPDs of SVIMS and Sri Padmavathi Medical College for women Hospital.
4. Sensitization programmes to various clinical departments were done periodically.
5. Assigned research projects to Pharm-D students in Pharmacovigilance.
6. Conducted monthly review meeting on Pharmacovigilance activities on the first Friday of every month.
7. Conducted a workshop on 'Pharmacovigilance and Reporting of Adverse Drug Reactions' on 23-11-2019 to improve ADR Reporting.

Pharmacovigilance Committee

Pharmacovigilance Committee (PVC) was reconstituted on 06-11-2019 with the following the members:

1. Dr Sharan.B.Singh, Principal, Chairman
2. Dr Alok Sachan, Prof.& HOD of Endocrinology, Co-Chairman
3. Dr K Umamaheswara Rao, Prof & Head of Pharmacology, Co-ordinator
4. Dr K Vijaya Chandra Reddy, Associate Professor of Pharmacology, Deputy Co-Ordinator.
5. Dr Katyaramal, Assoc. Prof. of Medicine, Member
6. Dr Y. Mutheeswaraiyah, Professor of General Surgery, Member
7. Dr K R. Subash, Associate Professor of Pharmacology, Member
8. Dr N. PunithPatak, Associate Professor of Paediatrics, Member
9. Dr A. Surekha, Assistant Professor of Dermatology, Member
10. Dr U.Jhansi Rani, Patient Safety Pharmacovigilance Associate – Member

Causality assessment committee:

Causality Assessment Committee (CAC) was reconstituted on 06-11-2019 to establish a causal relationship between

the adverse events and drugs of the reported cases with the following are the members:

1. Dr K.Umaheswara Rao, Prof & Head of Pharmacology - Chairman
2. Dr Katyaramal, Assoc. Prof. of Medicine - Member
3. Dr K.Vijaya Chandra Reddy, Assoc. Professor of Pharmacology – Member
4. Dr A Surekha, Assistant Professor of Dermatology - Member
5. Dr U.Jhansi Rani, Patient Safety Pharmacovigilance Associate – Member

CAC met periodically and assessed causality of each reported ADR case.

Pharmacy & Therapeutics Committee

The PTC is a multidisciplinary committee responsible for the formulation and implementation of policies and procedures related to the pharmacy services of the hospital.

The committee monitors all pharmacy related activities and ensures that the pharmacy services of the hospitals function in compliance with the applicable laws and regulations.

The following Pharmacology faculty members are involved in the activities of PTC:

1. Dr. K. Umamaheswara Rao
2. Dr. C. Pallavi
3. Dr. G. Bhanu Prakash

The main activities related to PTC are:

- Prescription audit
- Hospital Formulary
- Storage of Medication in Pharmacy, OTs, Wards & ICUs
- Medication errors & ensuring patient safety
- ADR reporting
- Monitoring of Narcotics usage, Chemotherapeutic drug usage & usage of Implantable prosthesis and Medical devices, Radioactive drugs.

Pharmacy & Therapeutic Committee (PTC) was reconstituted on 06-11-2019 with the following the members:

1. Dr Ram, Medical Superintendent, Chairman
2. Dr K. Umamaheswara Rao, Prof. & HOD of Pharmacology, Member Secretary
3. Dr Katyaramal, Associate Professor of Medicine, Member
4. Dr V. Vanajakshamma, Prof. of Cardiology, Member
5. Dr Aloka Samantaray, Prof. & HOD of Anaesthesiology, Member
6. Dr Chandramalitheswaran, Assoc.Prof. of Surgical GE, Member
7. Dr K. Vanaja, Assoc. Prof. of OBG Member
8. Dr D. Bhargavi, Assoc.Prof. of Med. Oncology, Member
9. Dr Punith Patak, Assoc. Prof. of Paediatrics, Member
10. Dr Ramapriya, Asst. Prof. of Nuclear Medicine, Member
11. Dr B. Sivanandh, Assoc. Prof. of Psychiatry, Member
12. Dr R. Jayaprada, Asst. Prof. of Microbiology, Member
13. Dr K. Vivekanand, Chief Medical Record Officer, Member
14. Mrs. C. Sunitha, Nursing Superintendent Gr.-I, Member
15. Dr. Peta Subramanyam, Senior Pharmacist, Member
16. Dr.G.Bhanu Prakash, Asst. Prof. of Pharmacology, Member
17. Mrs. Prabavathi, A.D Nursing, Member
18. Mr. L.Satheesh, A.D Stores, Member
19. Dr. M. Yerram Reddy, D.D Purchase, Member
20. Mr. SVVS. Prasad, Account Officer, Member

Drug Information Centre

Under the supervision of department of pharmacology so as to provide information on medications to health care professionals and to educate patients on usage of medications three drug information centers were started at

1. SVIMS OPD block
2. SVIMS Pharmacy -2
4. SPMCW Pharmacy

7.0 BALAMITHRA CRÈCHE

BalaMithra Crèche was started on 08.04.2011 and has been functioning successfully with all amenities. The center accommodates children from six months of age to 8 years. Several permanent and contract staff members of SVIMS are benefited by the Crèche facility. It provides a safe, clean and fun filled environment for children to play and interact with other children. The ratio of staff to children is 1:4.

We run child care center professionally where we entertain the kids, encourage their creativity and ensure their safety. We have a safe friendly, reliable and stimulating environment, where the staff can leave their children while at work.

The crèche is fully air conditioned with two split air conditioners along with equipped with six beds, one fridge,, one LCD TV and one DVD player. Outdoor playing area allows children to develop their outdoor game skills on a variety of equipments and keep healthy.

The crèche is fully surveillance under closed circuit cameras with '4' cameras. 2 cameras are strictly monitoring inside the crèche and rest of the two cameras at inside and outside the playing area for the safety of the kids and monitoring of the duties of the Aayas too.

Many of the women employees expressed their gratitude and happiness for this welfare facility being provided by the institution. Very nominal fee is charged towards crèche facility. As the crèche is situated in SVIMS premises only, the staff feels it very convenient to visit during the Lunch time to look after their children. As the Crèche is working for 12 hours i.e. 8 a.m. to 8 p.m., it is very useful for staff who are attending shift duties.

There is a proposal of posting child development personnel from Home Science Department of S.V.University, Tirupati to render child development programs in crèche and this may become fruitful in near future. The children will be benefitted though this welfare measure.

SVIMS Staff and parents are supporting each other and working collectively together for the well - being of the children's.

As some of the SVIMS staff are now reaching middle age and becoming grandparents, the crèche is serving to look after the grand children of SVIMS staff also.

8.0 ENGINEERING WORKS (2019-20)

8.1 Engineering Division, TTD, SVIMS:

The Tirumala Tirupati Devasthanams established a separate Engineering Division for execution of Capital and Maintenance works headed by Sri M.U. Shareef, Dy. Executive Engineers with the following:

Annual Maintenance completed in SVIMS, Tirupati for the year 2018-19

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Annual maintenance of Central Block in SVIMS, Tirupati for the year 2018-19	10.00
2	Annual maintenance of Specialty Block in SVIMS, for the year 2018-19	10.00
3	Annual maintenance of Service Block, Oncology and Laundry in SVIMS for the year 2018-19	10.00
4	Annual maintenance of Administrative Block and Attendant a choultry in SVIMS, for the year 2018-19	10.00
5	Annual maintenance of O.P.D Block in SVIMS, for the year 2018-19	10.00
6	Annual water proof repairs and leakages of all buildings in SVIMS hospital, college of Nursing and BPT in SVIMS for the year 2018-19	7.50
7	Annual maintenance of Canteen, BPT college, Nursing college in SVIMS for the year 2018-19	10.00
8	Annual maintenance of Girls Hostel, Boys Hostel, P.G. & Vedic P.G (Ladies Hostel) and Bio-Technology building in the premises of SVIMS for the year 2018-19	9.25
9	Annual maintenance of Director Bungalow, old staff quarters, old professors quarters, New professors quarters & Asst professors quarters in the premises of SVIMS for the year 2018-19	7.50
10	Annual maintenance of Roads in the premises of SVIMS for the year 2018-19	3.50
11	Miscellaneous repair in Sri Padmavathi Medical College (W) Sri Padmavathi premises, Tirupati for the year 2018-19	8.00

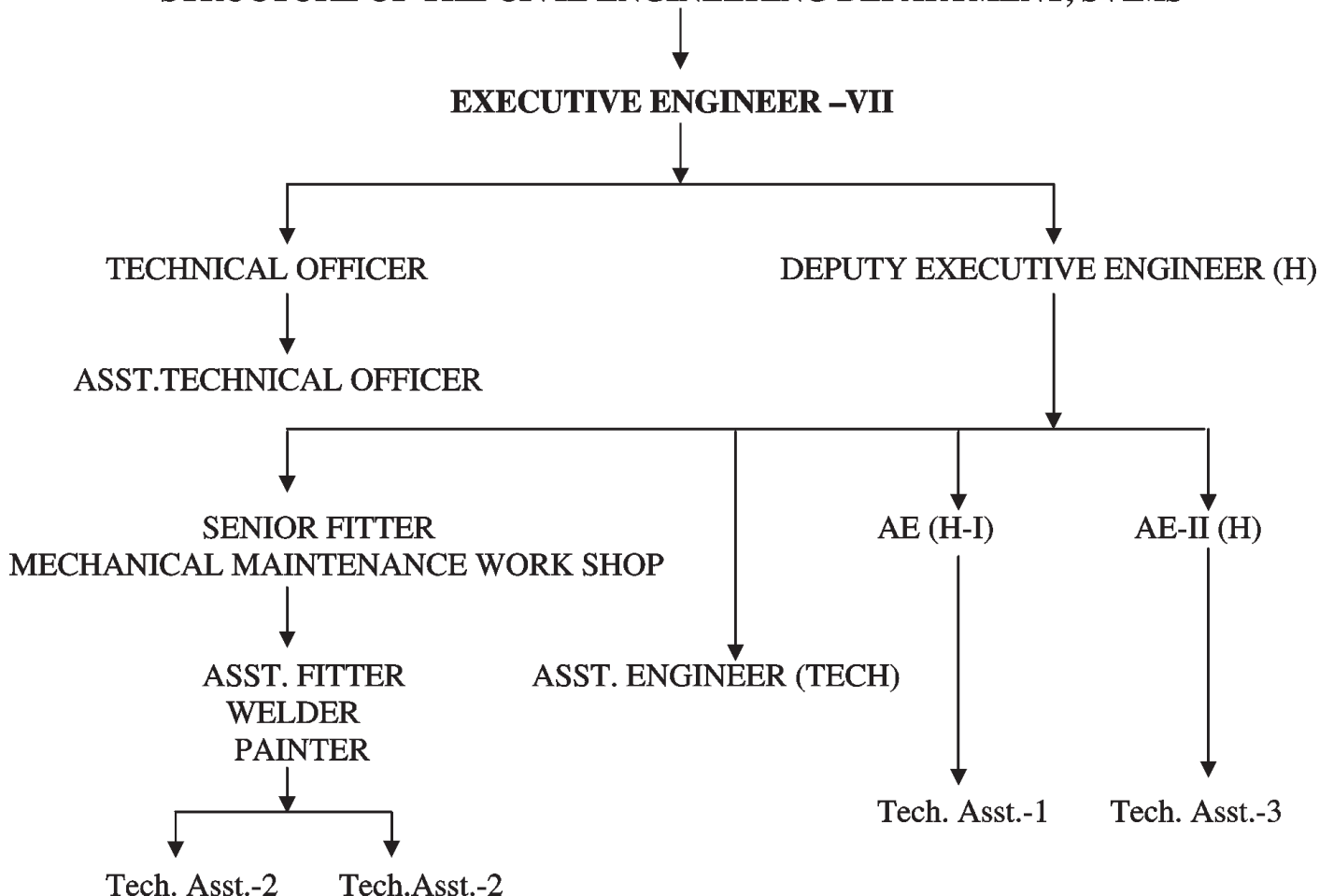
Annual maintenance progress in SVIMS, Tirupati for the year 2019-20

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati for the year 2019-20	30.00
2	Annual Maintenance of OPD Block, Service Block, Central stores, PET CT building, Oncology block Generator room, Sub- station building and laundry, Canteen, CON, COP, Dormitory block, CfAR building, General toilets and pump room in SVIMS, Tirupati for the year 2019-20	30.00
3	Annual Maintenance of SPMC (W), SPMC(W) Girls Hostel, Library, Director Bungalow, Boys hostel, New P.G.Quarters, Bio-Technology building, SPMC (W) General Hospital, Staff quarters old & New, Girls hostel, PG old hostel, Main & Internal Roads and play grounds in SVIMS for the year of 19-20	40.00
4	Annual water proof repairs and leakages of all buildings in SVIMS Hospital, College of Nursing and BPT at Tirupati for the year 2019-20.	10.00

Annual maintenance proposals in SVIMS, Tirupati for the year 2019-20

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati for the year 2019-20.	40.00
2	Annual Maintenance of OPD Block, Service Block, Central stores, PET CT building, Oncology block Generator room, Sub- station building and laundry, Canteen, CON, COP, Dormitory block, CfAR building, General toilets and pump room in SVIMS, Tirupati for the year 2019-20	40.00
3	Annual Maintenance of SPMC (W), SPMC(W) Girls Hostel, Library, Director Bangalow, Boys hostel, New P.G.Quarters, Bio-Technology building, SPMC (W) General Hospital, Staff quarters old& New, Girls hostel, PG old hostel, Main & Internal Roads and play grounds in SVIMS for the year 2019-20	40.00
4	Annual water proof repairs and leakages of all buildings in SVIMS Hospital, College of Nursing and BPT at Tirupati for the year 2019-20.	10.00

STRUCTURE OF THE CIVIL ENGINEERING DEPARTMENT, SVIMS



8.2 Engineering Division, APMSIDC

Executive Engineer
Sri. P. Dhananjaya Reddy

Divisional Accounts Officer
Sri. S. Nishad Ahamed

Dy. Executive Engineers
Sri. Y. Ramesh Babu Sri. N.V. Srinivasulu Sri. L. Anjaneyulu, Dy.EE (Elec)

Assistant Engineer / Asst. Executive Engineer
Sri. M. Chandra Reddy Sri. S.N. Ravi Sankar
Sri. G. Koteswara Rao

Technical Officer
Sri. Ch. Subbrayulu

Senior Assistant
Sri. K. Mahudushana Reddy

8.3 Equipment status report

1. SVIMS:

Total Number of Equipments	=	1245
Total Number of Equipment in Warranty	=	179
Number of functional Equipment	=	1238
Number of non-functional Equipment	=	7
Percentage = $1238/1245 * 100$	=	99%

2. SPMCW Hospital:

Total Number functional Equipment	=	139
Total Number of equipment in warranty	=	1
Number functional Equipment	=	138
Number non functional Equipment	=	1
Percentage = $138/139 * 100$	=	99%

Annual maintenance progress in APMSIDC, Tirupati for the year 2019-20

S. No.	Name of work	A.S. Amt. (Rs. In lakhs)	Name of Agency and address	Agmt Amt. (Rs. In lakhs)	Stage of Work	Expenditure (Rs. In lakhs)		
						Upto last month	During the month	Cumulative
1	Construction of College Building for SPMC (W)	3513	M/s. Tracks & Towers Infratech Pvt. Ltd., Hyderabad.	2679.27	Work completed and handed over.	3457.33	-----	3457.33
2	Construction of Hospital Building to SPMC (W)	10050	M/s. BPR Infrastructure Ltd, Hyderabad.	7791.49	Work completed and handed over.	9299.13	-----	9299.13
3	Construction of Hostel Buildings to SPMC(W)	1640	M/s. B. Sreenivasulu Reddy & Co., Kurnool.	1162.09	Work completed and handed over.	1403.78	-----	1403.78
4	Construction of Additional floor over the existing SPMC (W)	1900	M/s. Siddhartha . Constructions, Pulivendula	1470.55	Work completed and handed over.	1587.50	-----	1587.50
	Total Rs.	17103.00		13103.40		15747.74	-----	15747.74
5	Providing External Fireyard Hydrant, Fire Fighting and Fire Alaram System for the Hospital Building at SPMC(W)	97.00	M/s. Advanced Protection Fire System, Hanumanpet Malajiri,	77.00	Work completed.	69.73	-----	69.73
6	Providing external storm water Drain and South side compound wall to Hospital building at SPMC(W)	108.00	Sir. B. Lingappa, Ananthapuram	78.35	Work completed.	74.13	-----	74.13
7	Equipment	1000.00		----		1000.00	-----	1000.00
		1205.00		155.35		1143.86		1143.86
1	Phase-II Providing Play Grounds and CC road to SPMC at Tirupati	50.00	M/s. D.S. Infra Projects, Tirupati	30.10	Work completed.	14.17	-----	14.17
2	Construction of Compound wall to SPMC(W)	50.00	Sri. P. Venkata Krishna Reddy, B. Kodur, YSR District.	30.60	Work completed.	8.66	-----	8.66
3	Construction of additional floors over E&F blocks of Hospital Buildings in SPMC (W)	2322.00	M/s. Arrow Constructions Ltd.	1900.29	Work stopped due to U.O.Note.No. FIN01-FMUOASD (WR1)/80/2019 (Comp No. 898809)	178.16	-----	178.16

					Dt.29-05-2019 of the Chief Secretary to Government.			
5	Providing 10 Nos of Modular OTs for the Hospital building in the premises of SPMC(W)	480.00	M/s. Pharmatech Air . Solutions, Hyderabad	395.82	Work completed.	388.99	----	388.99
6	Providing VRV (VRF), Ductable AC Units, Cassette AC units (Centralised AC units) for ICU's Post Operative & Pre Operative wards and Clinical Lecturer Gallery etc., in SPMC(W)	310.00	M/s. Pharmatech Air Solutions, Hyderabad.	269.08	Work completed.	-----	-----	-----
7	Construction of buildings for TB, Chest, Skin & VD Isolation wards, Staff quarters for HoD/ Professors, Teaching and non-teaching staff, Nurses and Girls Hostel in the premises of Sri Padmavathi Medical College for Women at Tirupati in Chittoor District	9818.00	M/s. I. Muni Mohan Reddy & Co.,	4603.56	Work stopped as per U.O. Note.No.FIN01- FMU OASD(WR1)/ 80/2019 (Comp No.898809) Dt.29-05-2019 of the Chief Secretary to Govt.	-----	-----	-----
		13030.00		7229.45		589.98	-----	589.98

9.0 PURCHASE SECTION

Purchase department is responsible for all purchases required for the Hospital and Stores. The department will process the requests received from various departments for purchase of various Equipment, surgical consumables, disposables, implants, medicines, chemicals, diagnostic kits, sanitary, stationery, linen, spares, instruments, furniture electronic items (Personal computers, printer, scanners) etc. Through e-tenders and Quotations.

Budget Allotted to Purchase Department for the 2019-20: **Rs. 59,40,00,000/-**

Total No. of Indents Received: **1122**

Total No. of Purchase Orders Issued: **2078**

Value of Purchase Orders Issued: **3906.71 Lakhs**

Purchase Committee Meetings held during 2019:

Sl.No.	Date	Event/Procurement details
1.	30.01.19	i) Enhancement of budget for purchase of various equipments for use in CfAR building. ii) Approval for purchase of new equipment.
2.	14.02.19	i) Equipment and furniture for 10 bedded CCU at SPMC(W) hospital. ii) Equipment and furniture for 30 bedded CCU. iii) Biological Safety Cabinet
3.	11.03.19	i) Ventilators for 10 bedded and 12 bedded ICU ii) Up-gradation of existing dual head gamma camera in the dept. of Nuclear Medicine. iii) Furniture for 12 bedded ICU
4.	03.07.19	Implementation of laboratory interfaces
5.	06.07.19	Recommendations on certain equipments
6.	08.07.19	Scrutinization of technical documents
7.	25.07.19	Workstation with monitors to the dept. Of Anaesthesiology
8.	12.11.19	1st round of CfAR meeting – Utilization of medical equipment purchased for CfAR
9.	29.11.19	2nd round of CfAR meeting – Utilization of medical equipment purchased for CfAR
10.	30.11.19	Certain equipment and furniture

Pre-bid meetings held during the year 2019:

Sl.No.	Date	Event/Procurement details
1.	16.05.19	i) Discussion on certain terms & conditions ii) Explanation on salient features to be followed while uploading the technical & financial bids.
2.	25.05.19	i) Ventilators(high end) ii) Ventilators(mid range) iii) SPECT-CT Gamma Camera

Technical Evaluation meeting held during 2019:

Sl.No.	Date	Event/Procurement details
1.	06.07.19	Various equipments for use in 10 bedded & 12 bedded ICU's
2.	24.07.19	Drugs pertaining to their speciality departments by the concerned HOD's
3.	02.08.19	i) General medicine items ii) Medicines by pharmacy therapeutic committee
4.	10.08.19	Common surgical consumables & disposables i.e. i) Syringes ii) Cotton iii) Cannulas, etc.
5.	19.10.19	Costly surgical items like i) Stents ii) Heart valves iii) Implants etc
6.	19.10.19	Evaluation of surgical, consumables & disposables

Annual Report 2019

Negotiation Committee Meetings held during 2019:

Sl.No.	Date	Event/Procurement details
1.	06.02.19	Medical items, diagnostic kits & reagents
2.	27.09.19	Medical items, diagnostic kits & reagents
3.	02.12.19	Surgical, consumables & disposable items

Tenders Published during the year 2019:

Sl.No.	Date	Tenders Published
1.	10.05.19	Medicines, reagents & diagnostic kits
2.	10.05.19	Surgical, consumable & disposable items

Tender Opening:

Sl.No.	Date	e-tenders opening in presence of Purchase Committee Members
1.	30.05.19	Medicines, reagents & diagnostic kits
2.	12.06.19	surgical, consumable & disposable items

Equipments purchased during the year 2019:

S.No.	Name of the equipment	Qty.No.	Department	Amount Rs.	Source of Fund
1.	Instruments	01	Urology	1,54,280/-	SVIMS
2.	New Ambulance	02	CT Surgery	4,69,999/-	SVIMS
3.	Freezer -80°	01	CfAR	9,30,000/-	CfAR
4.	Freezer -20° to -40°	01	CfAR	3,75,000/-	CfAR
5.	Nano drop	01	CfAR	9,87,653/-	CfAR
6.	Autoclave (horizontal double door)	01	CfAR	15,36,023/-	CfAR
7.	Autoclave(vertical)	01	Biochemistry	1,36,325	SVIMS
8.	Eakcon compressor unit	01	Medical Stores	1,71,118/-	SVIMS
9.	Laparoscopy instruments	01	SGE	5,24,682/-	SVIMS
10.	Workstation	01	Bioinformatics	3,09,375/-	SVIMS
11.	Advanced Defibrillator Simulator	02	Simulation System	2,36,000/-	SVIMS
12.	Incubators	02	Biochemistry	1,64,787/-	SVIMS
13.	Lenovo laptops	02	Computer section	1,37,960/-	SVIMS
14.	Desktops	06	Bioinformatics	3,36,960/-	SVIMS
15.	LCD projectors with screens	03	Computer Section	1,97,749/-	SVIMS
16.	Laser therapy equipment	01	College of Physiotherapy	3,20,000/-	SVIMS
17.	ECG machine	01	Casualty	1,36,800/-	SVIMS
18.	DVT compression	02	Surgical Oncology	3,15,840/-	SVIMS
19.	250 LPH RO plants	02	Boys & PG hostel	3,00,664/-	SVIMS
20.	ECG machine with trolley	01	OBG	1,36,800/-	SVIMS
21.	Syringe pumps	21	Various dept.	6,82,080/-	SVIMS
22.	250 LPH RO plant	01	Choultry & BIRRD hostel	1,50,000/-	SVIMS
23.	Automated cell counter	01	CfAR	7,54,140/-	CfAR

24.	Syringe Pumps	20	G.S.(ICU), CTRR	6,49,600/-	SVIMS
25.	Syringe Pumps	24	Medical Oncology (ward), Surgical Oncology, Paediatrics	7,79,520/-	SVIMS
26.	Infusion pumps	10	Surgical Oncology	4,30,080/-	SVIMS
27.	Lenovo desktops	05	Various dept.	2,20,000/-	SVIMS
28.	Infusion pumps	04	Paediatrics, Neurology	1,72,032/-	SVIMS
29.	CC cameras		All medical & surgical stores	2,54,063/-	SVIMS
30.	Biological safety	01	Microbiology	2,59,010/-	SVIMS
31.	Freezer -80°	01	Biotechnology	9,30,000/-	SVIMS
32.	Lenovo desktops	03	Various depts.	1,32,000/-	SVIMS
33.	Laboratory Refrigerators	02	Pathology	1,78,363/-	SVIMS
34.	Laboratory Refrigerators	02	Transfusion Medicine	1,78,363/-	SVIMS
35.	Lenovo Desktops	07	Various depts..	3,08,000/-	SVIMS
36.	Co2 Incubator	01	CfAR	8,45,769/-	CfAR
37.	Co2 Shaker Incubator	01	CfAR	16,03,380/-	CfAR
38.	Automated Nucleic Acid Extractor	01	CfAR	38,73,593/-	CfAR
39.	Bright field/phase contrast fluorescence microscope with camera	01	CfAR	24,70,774/-	CfAR
40.	Multimode Micro plate reader	01	CfAR	23,15,789/-	CfAR
41.	Ultra centrifuge- Refrigerated	01	CfAR	48,30,000/-	CfAR
42.	RT-PCR	01	CfAR	20,81,462/-	CfAR
43.	Up-gradation of existing Dual Head Gamma Camera	01	Nuclear Medicine	41,93,543/-	SVIMS

Reagent Rentals

S.No.	Equipments	Qty.	Department	Make
1.	TACE-II	03	Transfusion Medicine	Terumo Penpol
2.	Automated grouping & cross matching equipment	01	Transfusion Medicine	Ortho Clinical
3.	NAT	01	Transfusion Medicine	Roche
4.	Sport haematology analyzer	01	Pathology	Mindray
5.	Liquid base cytology	01	Pathology	Becton Dickinson
6.	HbA1C D10	02	Endocrinology	Biorad
7.	Access & Immuno Assay Analyser	02	i. Biochemistry	
			ii. Endocrinology	Beckmann
8.	AV480 clinical chemistry analyser	02	Biochemistry	Beckmann
9.	Blood gas analysers	03	CTRR, RICU, Biochemistry	Eischweiler
10.	Vitros Eci Chemilumiscense	01	Transfusion Medicine	Ortho clinical
11.	Radiometer	01	Cardiology	DHR
12.	Automated ELISA	01	Biochemistry	Euroimmune
13.	DSX4 plate Elisa process	01	Microbiology	Avantor
14.	Nephelometer	01	Microbiology	Agappe

10.0 DIETARY SERVICES

Chief Dietitian
M. Sunitha Devi

Asst. Dietitians
K Geetha , R Brahmini & M Sowjanya

Dietitian work as members of multi disciplinary team to look after patients who are under the care of consultants. Dietitian educates and advice patients with diet related disorders on the practical ways in which they can improve their health by adopting heal their eating habits.

The following number of OP patients and IP Patients is given diet counselling from January 2019 to December 2019.

Services provided

- Diet counselling to OPD and IPD inpatients referred by consultants.
- Diet counselling to all patients on MHD and CAPD (Nephrology dept).
- Diet counselling to all children who attend Paediatric OPD.

- Liquid diet supply to the inpatients who are unable to take solid diet.
- Diet supply to inpatients who admitted under Dr. NTRVS Scheme and PD Scheme.
- Regular inspection of canteen and mess to do sample tasting.
- Supply of dinner to duty doctors in different wards.
- Works as a part of a multi disciplinary team during.

Counselled patients

S.No.	Month	OPD	IPD
1	January	721	2945
2	February	746	2920
3	March	848	2840
4	April	719	2809
5	May	861	2928
6	June	721	2751
7	July	770	2822
8	August	718	3087
9	September	683	2671
10	October	742	2721
11	November	743	2815
12	December	829	3058

Diet supplied to various groups of patients from January 2019 to December 2019.

S. No	Month	No. of patients under Dr. NTRVS scheme	No. of patients under PD scheme	No. of patients Liquid diet
1	January	8516	37	1965
2	February	8683	15	2005
3	March	9446	44	2015
4	April	8690	52	1910
5	May	10252	42	1910
6	June	9434	41	1890
7	July	10148	19	1880
8	August	10425	NIL	2035
9	September	10251	NIL	1795
10	October	10387	NIL	2005
11	November	10487	17	2075
12	December	11443	28	2015

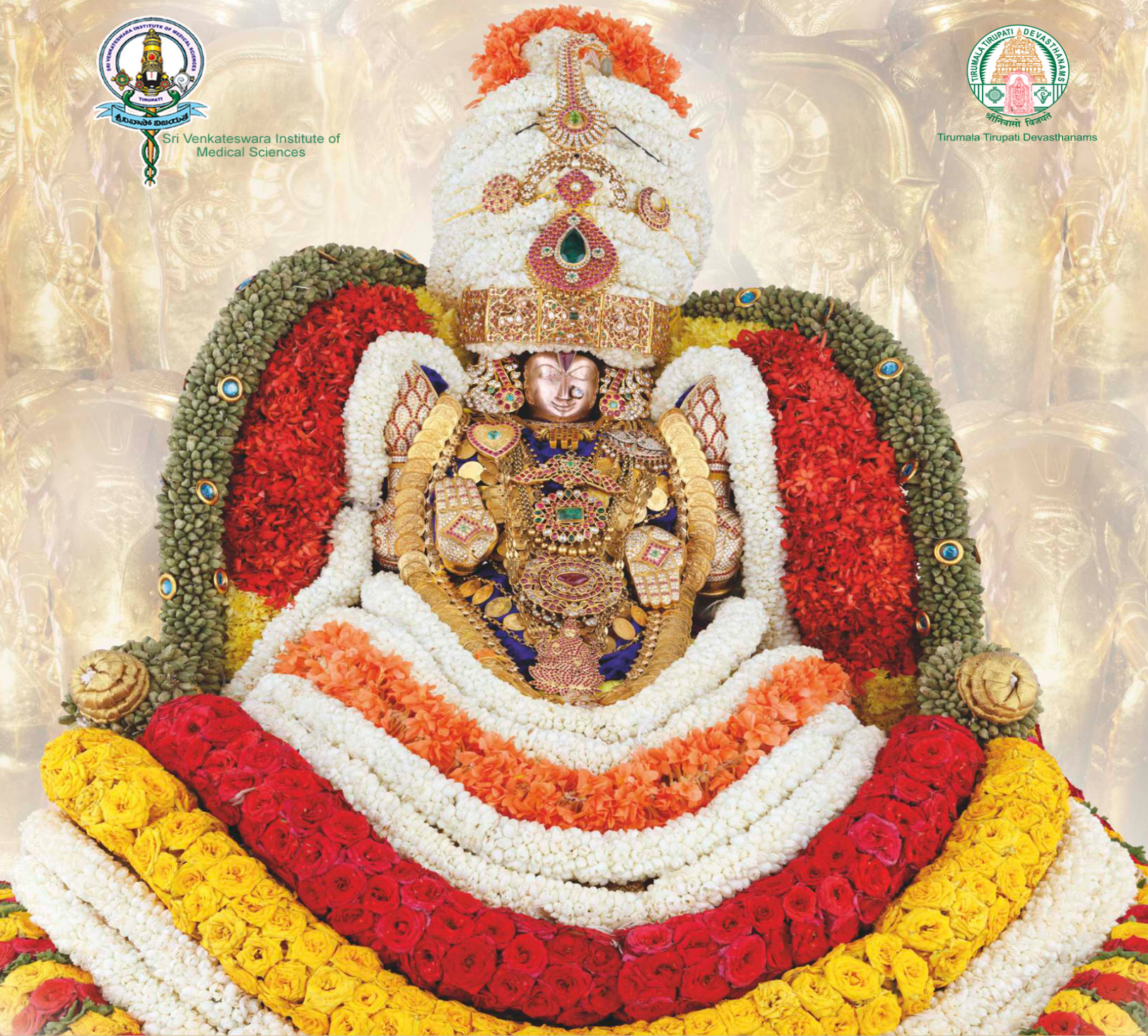
Works like Medical Gases, Telephone Exchange, Transport of vehicles, Sanitary services, Security, EO Gas sterilization, Electrical / Civil / Mechanical works, Audio System arrangements, Water supply services, Hostel and Quarters maintenance. Additionally, allotment of Guest house, Staff quarters are taken up.



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



IX. STATUTORY BODIES



IX. Statutory Bodies

The following bodies govern the institute

1.0 Governing Council

1.	Sri Y.S. Jagan Mohan Reddy, Hon'ble Chief Minister of A.P., Velagapudi.	Chairman Cum Chancellor
2.	Sri Alla Kali Krishna Srinivas Hon'ble Minister for Health, Family Welfare & Medical Education Govt. of Andhra Pradesh, Velagapudi.	1st Vice-Chairman
3.	Sri Y V Subba Reddy Chairman, TTD Board of Trustees, Tirupati.	2nd Vice-Chairman
4.	Dr B. Vengamma Director-cum-Vice Chancellor, SVIMS, Tirupati.	Member
5.	Dr. K.S. Jawahar Reddy, IAS Principal Secretary to government, Health, Medical & Family Welfare Department, Govt. of AP, Velagapudi.	Member
6.	Sri Shamsher Singh Rawat, IAS Principal Finance Secretary to Government (PFS) Finance Department, AP Secretariat, Velagapudi.	Member
7.	Sri Anil Kumar Singhal, IAS Executive Officer, TTD, Tirupati	Member
8.	The Director, NIMS, Hyderabad	Member
9.	The Chairman, UGC, New Delhi.	Member
10.	The Director - General of Health Services, Govt. of India, New Delhi.	Member
11.	Chairman, Board of Governors in Supersession of Medical Council of India, New Delhi.	Member
12.	The Vice-Chancellor, Dr NTR UHS, Vijayawada	Member
13.	The Vice-Chancellor, S.V.University, Tirupati	Member
14.	Dr M. Hanumantha Rao, Dean, SVIMS, Tirupati	Member
15.	Sri J. Rameswara Rao (from 26.09.2019) Member-TTD Board of Trustees, Tirupati	Member
16.	Dr Nichitha Muppavarapu (from 26.09.2019) Member - TTD Board of Trustees, Tirupati	Member
17.	Member of Faculty – Nominated by the Chairman cum Chancellor	Member
18.	Member of Faculty – Nominated by the Chairman cum Chancellor	Member
19.	Dr B.N. Gangadhar, Director, NIMHANS, Bangalore.	Member
20.	Prof. K.N. Satyanarayana Director, Indian Institute of Technology , Tirupati	Member
21.	Dr V.K. Ajit Kumar Professor Senior Grade & Head, SCTIMST, Thiruvananthapuram	Member
22.	Dr K.V. Dakshina Murthy Senior Consultant Nephrologist Mahatma Sri Ramachandra Centenary Memorial Hospital and Apollo Hospitals, Hyderabad.	Member
23.	Dr K.V. Sreedhar Babu Registrar, SVIMS, Tirupati.	Secretary

2.0 The Executive Board

1.	Sri Alla Kali Krishna Srinivas Hon'ble Minister for Health, Family Welfare & Medical Education Govt. of Andhra Pradesh, Velagapudi.	Chairman
2.	Sri Y V Subba Reddy, Chairman, TTD Board of trustees, Tirupati.	Vice-Chairman
3.	Dr B.Vengamma, Director-cum-Vice Chancellor, SVIMS, Tirupati.	Member
4.	Dr. K.S. Jawahar Reddy, IAS, Principal Secretary to government, Health, Medical & Family Welfare Department, Govt. of Andhra Pradesh, Velagapudi.	Member
5.	Sri Shamsheer Singh Rawat, IAS, Principal Finance Secretary to Government(PFS), Finance Department, Govt. of Andhra Pradesh, Velagapudi.	Member
6.	Sri Anil Kumar Singhal, IAS, Executive Officer, TTD, Tirupati	Member
7.	Dr M. Hanumantha Rao, Dean, SVIMS, Tirupati	Member
8.	Sri Parigela Murali Krishna, Member - TTD Board of Trustees	Member

3.0 The Finance Committee

1.	Dr B.Vengamma, Director-cum-Vice Chancellor, SVIMS, Tirupati.	Chairperson
2.	Dr. K.S. Jawahar Reddy, IAS, Principal Secretary to government, Health, Medical & Family Welfare Department, Govt. of AP, Velagapudi.	Member
3.	Sri Shamsheer Singh Rawat, IAS Principal Finance Secretary to Government(PFS) Finance Department, Govt. of AP, Velagapudi.	Member
4.	Sri Anil Kumar Singhal, IAS, Executive Officer, TTD, Tirupati	Member
5.	Dr K.V. Sreedhar Babu, Registrar, SVIMS	Secretary

The above meetings were held on 18.01.2019

4.0 Academic Senate

1.	Dr B.Vengamma, Director Cum Vice Chancellor, SVIMS	- Chairperson
2.	Dr M.Hanumantha Rao, Dean, SVIMS	- Member-Secretary
3.	The Director of Medical Education, Govt. of A.P., Vijayawada	- Member, Ex-officio
4.	The Vice Chancellor, Dr.NTRUHS, Vijayawada,	- External Member- Hon. Consultant
5.	The Principal, SVMC, Tirupati	- External Member- Hon. Consultant
6.	All the Heads of the Departments, SVIMS, Tirupati	Members
7.	Dr K.M. Bhargav (Nominated by Director-cum-VC) Asst. Professor of Medicine	- Member
8.	Dr V.Sivakumar (Nominated by Director-cum-VC) Asst. Professor of Pathology	- Member

The meetings were held on 20.05.2019 & 24.12.2019

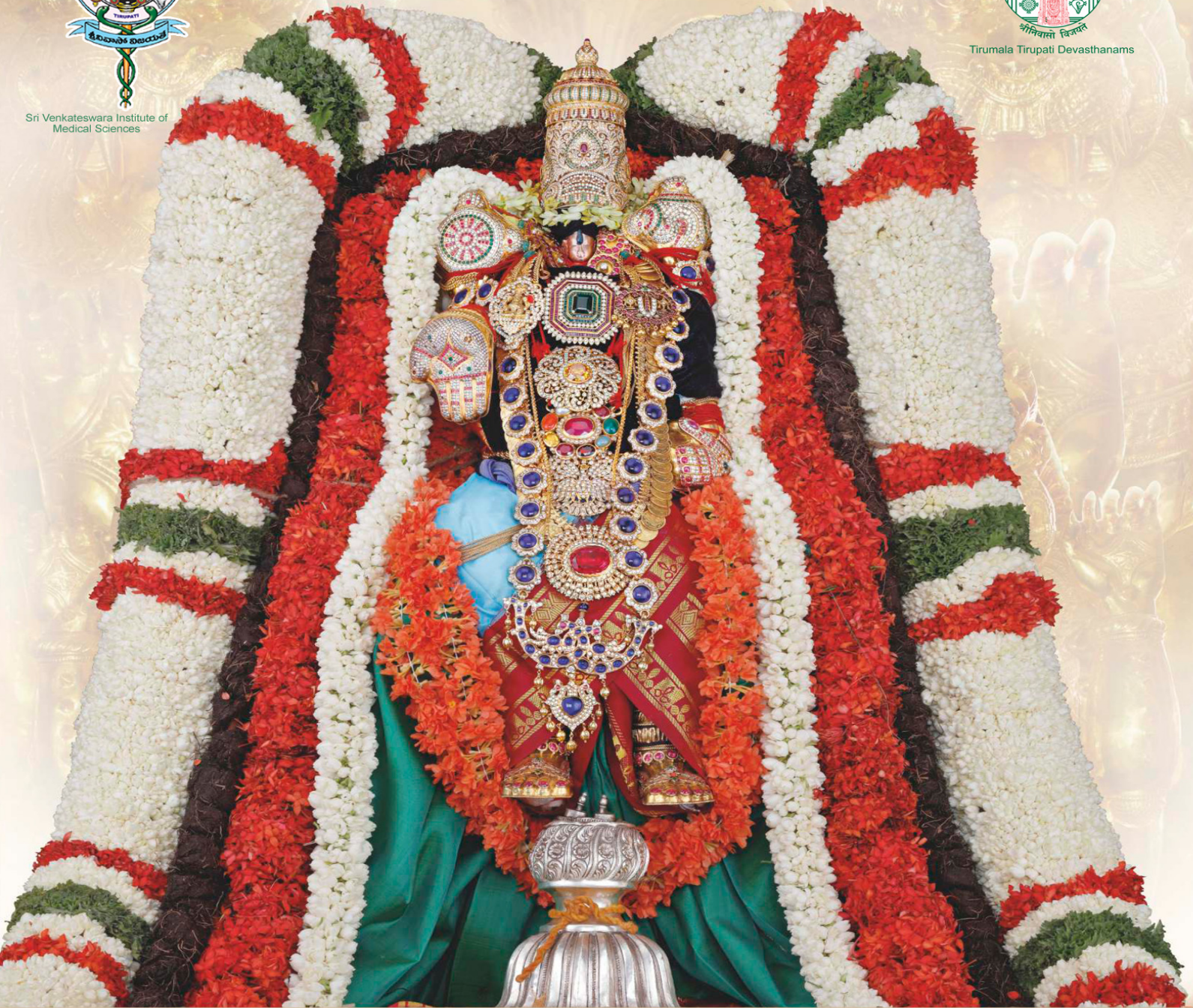




Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



X. ADMINISTRATIVE SET-UP



X. Administrative set-up

1.0 Heads of the departments

Sl. No.	Department	Name of the HOD
1.	Anaesthesiology	Dr Aloka Samantaray
2.	Anatomy	Dr C.Sreekanth
3.	Biochemistry	Dr PVLN. Srinivasa Rao
4.	Bioinformatics	Dr A.Umamaheswari
5.	Biotechnology	Dr PVGK. Sarma
6.	Cardiology	Dr D.Rajasekhar
7.	Cardiothoracic Surgery	Dr Abha Chandra
8.	Community Medicine	Dr K.Nagaraju
9.	Dental Surgery	Dr S.Madhu Babu i/c
10.	Dermatology	Dr T.Ram Sharan
11.	Emergency Medicine	Dr A.Krishna Simha Reddy
12.	Endocrinology	Dr Alok Sachan
13.	Forensic Medicine	Dr K.Bhaskar Reddy
14.	General Surgery	Dr Y.Mutheeswaraiiah
15.	Haematology	Dr C.Chandra Sekhar
16.	Transfusion Medicine	Dr K.V. Sreedhar Babu
17.	Medical Oncology	Dr D Bhargavi
18.	Medicine	Dr Alladi Mohan
19.	Microbiology	Dr K.K.Sharma i/c
20.	Nephrology	Dr R.Ram
21.	Neurology	Dr B.Vengamma
22.	Neurosurgery	Dr V.V. Ramesh Chandra
23.	Nuclear Medicine	Dr T.C.Kalawat
24.	Obstetrics & Gynaecology	Dr K.Vanaja
25.	Ophthalmology	Dr P. Prabhanjankumar i/c
26.	ENT	Dr S.B.Amarnath i/c
27.	Paediatrics	Dr.Punith Patak Nagaram
28.	Pathology	Dr Rukmangada
29.	Pharmacology	Dr K.Umamaheswara Rao
30.	Psychiatry	Dr B. Shivanandh i/c
31.	Physiology	Dr Sharan B Singh M
32.	Radio-diagnosis	Dr AY. Lakshmi
33.	Radiotherapy	Dr B.V.Subramanian i/c
34.	Rheumatology	Dr K.Sirisha i/c
35.	Surgical GE	Dr V.Venkatarami Reddy
36.	Surgical Oncology	Dr H.Narendra
37.	Urology	Dr N.Anil Kumar

2.0 General Administration

Accounts Officer	- Sri S.V.V.S. Prasad
Dy. Registrar (S&P)	- Dr M. Yerrama Reddy
Dy. Director (P.R)	- Dr Y.Venkatarami Reddy
Asst. Director (General Matn)	- Smt M.Prasanna Lakshmi
Asst. Director (Estd. i/c)	- Sri G.Suresh Kumar
Asst. Director(O/o Director)	- Sri.D.Anand Babu
Asst. Director(Billing)	- Smt N.Sireesha
Asst. Director (Establishment)	- Smt G.T.Manjula
Asst. Director (NABH)	- Sri G.Babu
Asst. Director (Nephroplus &PPP)	- Sri T.Ravindra Babu
Asst. Director (PR)	- Sri V.Rajasekar
Asst. Director (Audit)	- Sri G.Dargaiah

3.0 University Administration

Dean	- Dr M.Hanumantha Rao
Registrar i/c	- Dr K.V.Sreedhar Babu
Principal, SVIMS SPMC(W)	- Dr Sharan B.Singh
Controller of Exams i/c	- Dr K.Uma Maheswara Rao
Principal i/c, CON	- Dr P.Sudha Rani
Principal i/c, COP	- Dr K.Madhavi
Deputy Director (Academic)	- Sri D.V. Dilip Kumar
Dy. Director, SVIMS SPMC(W)	- Dr N. Adikrishnaiah
Asst. Director (Exams)	- Smt V.Sasikala
Asst. Director (Academic)	- Smt G.Bhagyasree
Librarian	- Sri K.Neelakanta Chetty
Asst. Librarian	- Dr A. Omkar Murthy

4.0 Hospital Administration

Medical Supdt.	- Dr R. Ram
RMO – I	- Dr K.V.Koti Reddy
RMO – II	- Dr N.Vikas
RMO – III	- Dr B. Sravan Kumar
Chief MEDCO–	
Dr. YSR. Aarogyasree	- Dr A.Lokeswara Reddy
Chief Dietician	- Smt M. Sunitha Devi
Asst. Director (Nursing)	- Smt T.Prabhavathi
Chief Medical Records Officer	- Dr K.Vivekanand
Medico Social Worker	- Sri N.V.S. Prasad

5.0 Technical Administration

Civil Engineering	- Sri M.U. Sharif,
	Dy. E.E., TTD
Elec. Engineering	- Sri G.Hari Babu, A.E, TTD
M.C.P.O	- Sri V.Sudarshan
Biomedical Engg.	- Sri E.Doraiswamy



XI. SVIMS IN NEWS





SVIMS RELATED NEWS IN MEDIA

Department of Public Relations



టీటీడిలోకి స్విమ్స్ విలీనం

● ఇక నిధులకు ధోరణి ఉండదు ● బర్డ్ తరహాలో ఉచిత వైద్యం అందిస్తారా?
● పేద రోగులకు టిపి కమారు

తిరుపతి, ఆక్టోబరు 22
(ఆంధ్రజ్యోతి): టీటీడికి శ్రీ
వైద్య విభాగం సంస్థ
(స్విమ్స్)ను టీటీడిలోకి
విలీనం చేస్తూ పాఠశాల
మండలి నిర్ణయం తీసుకుంది.
గవర్నరు ఆదేశాలలో ఆవిష్కృతి
చేసి మరొక మెరుగైన
వైద్య సేవలందించేందుకు
చిల్లూ స్విమ్స్ను టీటీడి
ఆసుపల్లోకి తీసుకువేసేందుకు
పాఠశాలమండలి ఆదేశం
మూలం చేసింది.

విలీనం స్విమ్స్ ఉద్యోగుల స్వప్నం

రాయలసీమ ప్రాంతానికి సూపర్ స్పెషిలైట్ ఆసుపత్రి ఉండాలన్న ఉద్దేశంతో 1986లో ఆవిష్కృత ముఖ్యమంత్రి దివంగత ఎన్టీ రామారావు స్విమ్స్ను మూడు రాయలసీమకు. ఆ తర్వాత 1993 నుంచి స్విమ్స్ కార్యకలాపాలు మొదలయ్యాయి. స్వయంప్రభుత్వ చోదా పొందిన స్విమ్స్ రాష్ట్రప్రభుత్వం ఆజమానంలోకి తీసుకువేసి స్విమ్స్ ఎంసీఎ గుర్తింపుతో వైద్య పరిశోధన సంస్థగా కూడా గుర్తింపు పొందింది. నాలుగేళ్ల శ్రమ స్విమ్స్కు అనుబంధంగా మహిళల కోసమే ప్రత్యేకంగా శ్రీవైద్యపరిశోధనా మహిళా మెడికల్ కాలేజీ ఏర్పాటైంది. టీటీడి స్విమ్స్కు అనుబంధమైన భవనాలలో పాటు ఏడాది 50 కోట్ల వరకు నిధులు వెచ్చించి, రాష్ట్ర ప్రభుత్వం ఆజమానంలో తెలంగాణపై నామమాత్రంగా స్విమ్స్కు నిధులు విలీనిస్తోంది. స్విమ్స్ ఉద్యోగులు మాత్రం ఎప్పుడైనా టీటీడిలో విలీనం చేయాలని కోరుకుంటున్నారని, బర్డ్ ఆసుపత్రి వలే ఒకే గోడను కిందకు తీసుకురావాలని భావిస్తున్నారు. కాగా టీటీడిలో స్విమ్స్ విలీనిస్తే టీటీడి ఆదనపు నిర్వహణ భారం పడవలందని ఉద్యోగ సంఘాలు భావిస్తున్నాయి. ఈ నిర్ణయానికి ముగిసేసరికి ఈనెల 21న రోడ్డు రేసులో సమావేశాన్ని ఏర్పాటు చేయాలని నిర్ణయించుకుని ఎందరినో అజబ్బి నిమిషంలో విలీనించుకున్నాయి. కాగా టీటీడి పరిధిలోకి వెళ్లిన స్విమ్స్లో బర్డ్ ఆసుపత్రిలో మాదిరి ఉచితంగా వైద్యం అందిస్తారో లేదో చూడాలి.



సామాన్య, మధ్యతరగతికి వరమే

స్విమ్స్ టీటీడిలో విలీనం కావడం సామాన్య, మధ్య తరగతి ప్రజలకు వరమేనని చెబుతున్న ఆయన సామాన్య సామాన్యాలూ కూడా పరిగణనలోకి తీసుకోవాలని ఉంటుంది. గతం కూడా అక్కడ సహకారం పెంచుకుంటే మో ఆసుకుంటున్నా టీటీడిలోకి విలీనించడం యోగిపర్తిలో చల్లలు ఒప్పుకోవాలన్న టీవీ వర్సిటీగా ఉన్న స్విమ్స్లో సూపర్ స్పెషిలైట్ కోర్సులలో పాటు మెడికల్ కళాశాల కూడా ఉంది. స్విమ్స్లో కేవలం కేవలం రూ. 3 కోట్లు ఇస్తున్నాం. ఇప్పుడు వరకు టీటీడి నెలకు రూ. 3 కోట్లు మాత్రమే ఇస్తోంది. 300 వరకం నుంచి ఇప్పుడు 850 వరకం అయ్యాయి. మొత్తం ఉచితమంటే దబ్బు పెట్టే వైద్యం చేయించుకునేవారి సంఖ్య తగ్గిపోవచ్చు. ఏదయినా టీటీడి తీర్మానం గురించి పూర్తిగా తెలియదు.

- డాక్టర్ వెంకట, జైకెఆర్, స్విమ్స్.

SVIMS

స్వీమ్స్ అధ్యాపకులకు రాష్ట్రస్థాయి అవార్డు



గురుపూజోత్సవ సందర్భంగా అమరావతిలో సీఎం జగన్ సుంచి అవార్డులు అందుకుంటున్న స్వీమ్స్ అధ్యాపకులు

తిరుపతి హెల్త్, సెప్టెంబర్ 5 (ప్రభుత్వం)

.స్వీమ్స్కు చెందిన అధ్యాపకులు, న్యూరోసర్జరీ విభాగాధిపతి డాక్టర్ రమేష్ చంద్ర, సర్టికేట్ గ్యాస్ట్రో ఎంట్రాలజీ విభాగాధిపతి వెంకటరామిరెడ్డి, రేడియాలజీ విభాగాధిపతి లక్ష్మీలు విజయవాడలో నిర్వహించిన ఉపాధ్యాయ దినోత్సవాన్ని

పురస్కరించుకుని సీఎం జగన్ చేతులమీదుగా వైద్య విభాగంలో ఉత్తమ ఉపాధ్యాయుల అవార్డులు స్వీమ్స్ డైరెక్టర్ వెంగమ్మ తెలిపారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ ఉత్తమ బోధనలు, వైద్యసేవలు, పరిశోధనలకు గుర్తింపుగా రాష్ట్రస్థాయి ఉత్తమ ఉపాధ్యాయ అవార్డులకు ఎంపిక కావడం హర్షదాయకమని అభినందించారు.

స్వీమ్స్ నెంబర్ వన్ కావాలి: టీటీడీ చైర్మన్

తిరుపతి హెల్త్,

సెప్టెంబర్ 9

(ప్రభుత్వం) .స్వీమ్స్

అనుపత్రిని నెంబర్

వన్ స్థాయి

అనుపత్రిగా తీర్చి

దిద్దాలని టీటీడీ చైర్మన్

వైపి సుబ్బారెడ్డి

సూచించారు.

సోమవారం తాడేప

ల్లిలోని ఆయన

నివాసంలో స్వీమ్స్

డైరెక్టర్ డాక్టర్

వెంగమ్మ వైద్యునిని మర్యాద పూర్వకంగా

కలిశారు. ఈ సందర్భంగా వైపి సుబ్బారెడ్డి

మాట్లాడుతూ ప్రస్తుతం అనుపత్రిలో

పరిస్థితులను అధ్యయనం చేసి చేయాల్సిన

పనులు, కావాల్సిన ఎక్స్ ప్లెమెంట్స్ గురించి ఓ

నివేదిక రూపొందించాలని కోరారు. ఆనుపత్రిని

అత్యున్నత స్థాయికి తీసుకెళ్లేందుకు రాష్ట్ర

ప్రభుత్వం చిత్తశుద్ధితో చర్యలు తీసుకుంటుందని



టీటీడీ చైర్మన్ తో మాట్లాడుతున్న స్వీమ్స్ డైరెక్టర్ వెంగమ్మ

సుబ్బారెడ్డి వ్యక్తం చేశారు. ప్రత్యేకించి క్యాన్సర్ వ్యాధిగ్రస్తులు పెరుగుతున్న నేపథ్యంలో అత్యుత్తమ చికిత్సనందించేందుకు చేపట్టాల్సిన అంశాలను నివేదికలో పొందుపరచాలని సూచించారు. రోగులకు చికిత్స అందించడంలో అలసత్వం వహించే వారిపై కఠిన చర్యలు తీసుకోవాలన్నారు. ఎక్కడా ఎలాంటి పొరబాట్లకు తావివ్వకుండా ఆనుపత్రిని తీర్చిదిద్దాలని కోరారు.

SVIMS NEWS



వైద్యరంగానికి తొలి ప్రాధాన్యత

- స్వీట్స్ లో ఘనంగా ఫిజియో థెరఫీ దినోత్సవం

అయినా తండ్రి: ముఖ్యమంత్రి పైసే జగన్మోహన్ రెడ్డి వ్యవధానంనే తీర్చిదిద్దాడుకదా ఇప్పుడు నాకు అయినా అమ్మమ్మ వామకరణాచార్య రెడ్డి పేర్కొన్నాడు. స్వీయార్థ బుధధానం ప్రకారం పిజిఎంఐపీ పేర్కొన్నా న్నా మనగా నిర్దోషించారు. ముఖ్యఅతిథులుగా తిరుపతి అమ్మమ్మ వామకరణాచార్య రెడ్డి, చంద్రగిరి అమ్మమ్మ చెవిదిద్ది భాగ్యరెడ్డి హాజరుయ్యారు. భూమన కరణాచార్యరెడ్డి ముఖ్యధానగా ప్రతి పక్షంలో మెరుగైన వైద్యం అందించడమే అట్టంగా ముఖ్యమంత్రి చదునలు మేస్తానా అని. అలాగేగిరికి మరింత పరిశుద్ధివైద్యం 2 వేలకు పైగా వాదనలను పేర్కొన్నాడు కిరిగిరికి తీసుకొచ్చారన్నాడు. ఇలా అతక సంస్కరణలను తీసుకొన్న పేదలకు మెరుగైన వైద్యం అందించడం అట అట్టంగా ప్రభుత్వం పనిపెట్టినందుకా. పిజిఎంఐపీ వ్యవధానంపై వివరణలు అనుబంధం ఏర్పరచుకుందా గడిసిన 30



సమావేశంలో మాట్లాడుతున్న ఎమ్మెల్యే కరుణాకరరెడ్డి, వేదికపై తుదా చైర్మన్ చెవిరెడ్డి, స్పీమ్స్ డైరెక్టర్ వెంగమ్మ, హాజరైన విద్యార్థులు

సంపత్కరాధీ వైద్యురంగధీ అనేక మార్పులు సరిదిద్దబడుచున్నాయి. ఇందులో, విదేశాలను నడిపించువైపు పశ్చిమయోధిపే మనసందీర్శనా పూర్వకములే విస్తరించబడ్డాయి. పశ్చిమయోధి వైద్యులు ముందుకే వైద్యశాస్త్రాన్ని సూపరించు చుకొనాలని సూచించారు. చుట్టరికి ఎవెల్లెక్కో ప్రత్యేకమే వేరు డాక్టర్ల వివిధిక్త ప్రావీణ్యరీతికి ముఖ్యమైనది పశ్చిమయోధి వైద్యుల డాక్టర్ల అనేక సంపత్కరాలు అందించుచున్నారని, ఆపదనే తీర్చుటకు ఉపయోగము లగు



పట్టుపాదించవచ్చు. తద్వారా వ్యక్తిపరమైన సమస్యలను కూడా అధిగమించవచ్చున్నారు. ముఖ్య అతిథులు ఫిజియోథెరపీ ప్రాధాన్యతను తెలిపే పోస్టర్, బుకిలెట్లను అవిష్కరించారు. స్పెషియల్ ఫిజియోథెరపీ కళాశాల ప్రిన్సిపల్ డాక్టర్ హదషి, డాక్టర్ హనుమంతరావు, డాక్టర్ శ్రీధర్ బాబు, డాక్టర్ ఉమామహేశ్వరరావు, డాక్టర్ అలోక్ నంద్, డాక్టర్ సుబ్రహ్మణ్యయ్య, డాక్టర్ నరేంద్ర, వైద్యులు, ఫిజియోథెరపీ అధ్యాపకులు, విద్యార్థులు విద్యార్థులు పాల్గొన్నారు.

ఫిజియోథెరపీలో నైపుణ్యాలను పెంచుకోవాలి

ఎమ్మెల్యే కరుణాకర్ రెడ్డి పిలుపు

[illegible]

ప్రపంచ ఫిజియోథెరపీ డే సభను ప్రారంభిస్తున్న ఎమ్మెల్యే భూమన.
పక్కన తుడా చెర్లన్ చెవిరెడ్డి, సిగ్మీ డెరెక్టర్ వెంగమ్మ

ఉమా మహేశ్వర రావు, డాక్టర్ అలోక్ సచన్, డాక్టర్ సుబ్రహ్మణ్యన్, డాక్టర్ నరేంద్ర, విభాగాల నైపుణ్యకారులు, నైపుణ్య విధూరులు హాజరయ్యారు.



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స్విమ్స్ డైరెక్టర్ గా వెంగమ్మ



స్విమ్స్ డైరెక్టర్ గా డాక్టర్ వెంగమ్మ

తిరుపతి వైద్యం, ఆగస్టు 29 : అనుకున్నట్లే జరిగింది. గత కొన్ని రోజులుగా స్విమ్స్ డైరెక్టర్ ను మారుస్తారని, డైరెక్టర్ గా తిరిగి వెంగమ్మను నియమిస్తారని వినిపిస్తున్న ఊహగానాలకు ప్రభుత్వం తెరదించింది. స్విమ్స్ లో ప్రస్తుతం న్యూరాలజీ విభాగంలో సీనియర్ ప్రొఫెసర్ గా పనిచేస్తున్న డాక్టర్ భూమా వెంగమ్మను డైరెక్టర్, వైస్ చాన్సలర్ గా నియమిస్తూ గురువారం రాత్రి ప్రీన్సిపల్ సెక్రటరీ డాక్టర్ కెఎస్ జవహర్ రెడ్డి ఉత్తర్వులు జారీ చేశారు. ప్రస్తుత డైరెక్టర్ డాక్టర్ టి.ఎన్ రవికుమార్ వారం క్రితమే ఆ పదవికి రాజీనామా చేసిన విషయం విదితమే. డాక్టర్ వెంగమ్మ 2009 నుంచి నుంచి 2015 ఆగస్టు వరకు స్విమ్స్ డైరెక్టర్ గా పనిచేశారు. ఆ సమయంలో ఆస్పత్రిలో పలు అవకతవకలు జరిగాయన్న ఆరోపణలపై విజిలెన్స్, ఏసీబీ కేసులు నమోదై ప్రస్తుతం విచారణ దశలో ఉన్నాయి. అయితే, అందరూ ఊహించినట్లే డాక్టర్ వెంగమ్మను తిరిగి డైరెక్టర్ గా నియమిస్తూ ప్రభుత్వం నిర్ణయం తీసుకుంది.

స్విమ్స్ డైరెక్టర్ గా బాధ్యతలు స్వీకరించిన వెంగమ్మ

తిరుపతి వైద్యం, ఆగస్టు 30 : శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్విమ్స్) డైరెక్టర్, వైస్ చాన్సలర్ గా నియమితులైన డాక్టర్ భూమా వెంగమ్మ శుక్రవారం బాధ్యతలు చేపట్టారు. ఇదివరకు డైరెక్టర్ గా ఉన్న డాక్టర్ టి.ఎన్ రవికుమార్ రెండు వారాల క్రితమే తన రెండు పదవులకు వివిధ కారణాల రీత్యా రాజీనామా చేశారు. డాక్టర్ వెంగమ్మ స్విమ్స్ న్యూరాలజీ విభాగం సీనియర్ ప్రొఫెసర్ గా పని చేస్తున్నారు. శుక్రవారం మంచీరోజు కావడంతో మధ్యాహ్నం 1.30 నుంచి 2 గంటల ప్రాంతంలో డాక్టర్ టి.ఎన్. రవికుమార్ నుంచి ఆమె బాధ్యతలు స్వీకరించారు. ఈమె 2009



డాక్టర్ రవికుమార్ నుంచి స్విమ్స్ డైరెక్టర్ గా
బాధ్యతలు స్వీకరిస్తున్న భూమా వెంగమ్మ

నవంబరు నుంచి 2015 ఆగస్టు వరకు డైరెక్టర్ గా, వైస్ చాన్సలర్ గా పని చేశారు. ఈ సందర్భంగా వెంగమ్మకు ఓకే పత్రం అధినేత తుంగా నాగార్జునరెడ్డి డైరెక్టర్లు, అసిస్టెంట్ డైరెక్టర్లు సూపరింటెండెంట్, వైద్యాధికారులు అందరినీ ఆహ్వానించారు.

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ప్రపంచ రోగి భద్రతా దినోత్సవం

- స్విమ్స్ డైరెక్టర్ డాక్టర్ బి.వెంగమ్మ

విశాలాంధ్ర - తిరుపతి ఎస్విమ్స్ : రోగులకు వారి యొక్క వ్యాధి పట్ల ఎటువంటి సహాయం కావాలి, ఎటువంటి అవగాహన కల్పించాలి అనే బాధ్యత ప్రతి వైద్యునిపై స్విమ్స్ డైరెక్టర్ డాక్టర్ బి.వెంగమ్మ తెలిపారు. శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్విమ్స్) హాస్పిటల్ నందు మంగళవారం శ్రీ వద్యావతి ఓ.పి.డి. భాతు నందు ప్రపంచ రోగి భద్రత దినోత్సవంను విజయవంతంగా నిర్వహించారు. ఈ కార్యక్రమాన్ని జ్యోతి ప్రజ్వలన చేసిన అనంతరం కార్యక్రమాన్ని ఉద్ఘాటించి స్విమ్స్ డైరెక్టర్, వైస్ చాన్సలర్ డాక్టర్ బి.వెంగమ్మ రోగులకు, వారి సహాయకులను ఉద్ఘాటించి ప్రసంగిస్తూ ప్రతి సంవత్సరం సెప్టెంబర్ 17వ తేదీన ప్రపంచ రోగి భద్రత దినోత్సవాన్ని జరుపుకుంటున్నామని తెలియ చేశారు. రోగులకు వారి యొక్క వ్యాధి పట్ల ఎటువంటి సహాయం కావాలి, ఎటువంటి అవగాహన కల్పించాలి అనే బాధ్యత ప్రతి వైద్యునిపై ఉందని తెలిపారు. ఇటువంటి సంఘటనలు వల్ల వైద్యులు ఇతర రోగులకు వైద్యం అందించడానికి ఉభయతీరాధావాసికి గురవుతారు కాబట్టి, రోగుల సహాయకులు వైద్యుల పట్ల అసహనాన్ని వ్యక్తపరచకుండా మంచి ఆలోచనలతో వైద్యం పట్ల డాక్టర్లకు సహకరించాలని తెలిపారు. ఈ సందర్భంగా ఇతర విభాగాధిపతులు మాట్లాడుతూ, రోగులకు వ్యాధి నిర్ధారణ అయిన తరువాత ఇచ్చి వైద్యం సూచించే మందుల విషయంలో ఏదైనా దుష్ప్రతికూల సంభవిత వైద్యులకు తెలిపి



తగు సూచనలు, సలహాలు తీసుకోవలసి ఉంటుంది. ఇటువంటి మందులవలన కలిగే ఘటనలకు సంభవించి స్విమ్స్ నందు ఉన్నత స్థాయి అధికారులు సమీక్షించి తదుపరి ఇటువంటి పరిణామాలు జరగకుండా నిర్ణయాలు తీసుకుంటారు. మందులు వాడేటప్పుడు వాటి యొక్క కాల వ్యవధి చూసుకోవలసి ఉంటుంది, అనంతరం సస్విమ్స్ నర్సింగ్ కళాశాల మరియు ఫిజియోథెరపీ కళాశాల విద్యార్థులు రోగులకు వ్యాధి సంక్రమణ నివారణా వద్దతుల గురించి పోస్టర్ ప్రదర్శనతో వివరించారు. ఈ కార్యక్రమంలో రిజిస్ట్రార్ డాక్టర్ డి.సి.కళావతి, మెడికల్ సూపరింటెండెంట్ డాక్టర్ అలోక్ సచన్, ఆర్.యం.ఓ. డాక్టర్ కోటిరెడ్డి, ఇతర విభాగాల వైద్యులు, పేషంట్లు తదితరులు పాల్గొన్నారు.

రోగుల సందేహాలను నివృత్తి చేయండి

తిరుపతి(స్విమ్స్). న్యూస్టుడే: రోగులకు కలిగే సందేహాలను నివృత్తి చేయడానికి వైద్యులు చొరవ చూపాలని స్విమ్స్ డైరెక్టర్, వైస్ చాన్సలర్ డాక్టర్ భూమా వెంగమ్మ పిలుపునిచ్చారు. 2019 - 20 విద్యాసంవత్సరానికి యండి, డిఎం, యంసీహెచ్లో చేరిన సూతన విద్యార్థులకు ప్రత్యేక అవగాహన కార్యక్రమాన్ని శ్రీపద్మావతి ఆడిటోరియంలో శనివారం నిర్వహించారు. ముఖ్య అతిథిగా హాజరైన డైరెక్టర్ జ్యోతి వెలిగించి కార్యక్రమాన్ని ప్రారంభించారు. తర్వాత రెసిడెంట్ మాన్యువల్ను ఆవిష్కరించారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ.. వివిధ రాష్ట్రాల విద్యార్థులు పీజీ విద్యను అభ్యసించడానికి స్విమ్స్ వైద్య సంస్థను ఎంపిక చేసుకోవడం గర్వకారణమని పేర్కొన్నారు. స్విమ్స్ ఇన్చార్జ్ రిజిస్ట్రార్ డాక్టర్ కేవీ శ్రీధర్బాబు మాట్లాడుతూ.. పీజీ విద్యార్థులు పట్టుదలతో నాణ్యమైన వైద్య సేవలు అందించడమే కాకుండా వైద్యరంగంలో చోటుచేసుకుంటున్న సూతన ఒరవడులను చక్కగా ఆకళింపు చేసుకొని నిబద్ధతతో జ్ఞానాన్ని మెరుగుపరుచుకోవాలని సూచించారు. కార్యక్రమంలో వైద్యులు హనుమంత రావు, అల్లాడి మోహన్, అలోక్ సచన్, పీవీఎల్ఎన్ శ్రీనివాసరావు, కోటిరెడ్డి, వనజ, వెంకటరామిరెడ్డి, నరేంద్ర, శర్మ తదితరులు పాల్గొన్నారు.



రెసిడెంట్ మాన్యువల్ను ఆవిష్కరిస్తూ స్విమ్స్ డైరెక్టర్ తదితరులు

సానుకూల ఆలోచనలతో మతిమరపు మాయం

తిరుపతి హెల్త్, సెప్టెంబర్ 21 (ప్రభుత్వం) ఆరోగ్యకరమైన జీవన విధానం, సానుకూల ఆలోచనల ద్వారా జీవిత ప్రమాణాన్ని పెంపొందించుకోవడం (మతిమరపు) వంటి వ్యాధులకు గురికాకుండా ఉండవచ్చునని స్విమ్స్ డైరెక్టర్ డాక్టర్ వెంగమ్మ పేర్కొన్నారు. శనివారం మతిమరపు వ్యాధి దీనితోనూ సంబంధం ఉన్నందున ప్రపంచ హెల్త్ డే అంటే ఆవరణలో స్విమ్స్ న్యూరాలజీ, సైకియాట్రి విభాగాల సంయుక్త కార్యక్రమంలో విజయవంతంగా నిర్వహించారు. కార్యక్రమానికి ముఖ్య అతిథిగా విచ్చేసిన స్విమ్స్ డైరెక్టర్ వెంగమ్మ జ్యోతి వెలిగించి ప్రారంభించారు. ఈ సందర్భంగా ప్రజలనుద్దేశించి డాక్టర్ వెంగమ్మ మాట్లాడుతూ ప్రపంచ హెల్త్ డే అర్థజీవనం ప్రతి సంవత్సరం సెప్టెంబర్ 21న ప్రపంచ మతిమరపు దినోత్సవాన్ని ప్రకటించడం జరిగిందని, ఈ సంవత్సరం ప్రజలకు అర్థమర్చి



కార్యక్రమాన్ని ప్రారంభిస్తూ స్విమ్స్ డైరెక్టర్ వెంగమ్మ

జబ్బు గురించి అవగాహన కల్పించడం అనే నినాదంతో జరుపుకుంటున్నామన్నారు. వ్యాధి గ్రస్తైనవారికి అనేక సమస్యలు ఎదుర్కొంటున్నాయని, ప్రతిరోజూ 6 నుంచి 8 గంటల వరకు నిద్రలేచుకోవడం, ఆధునిక జీవన ప్రమాణాల్లో మార్పురావడం వంటివి దీనికి కారణమన్నారు.

మతిమరపు అనేది 75 ఏళ్లనుండి 80 ఏళ్ల వైద్యుల వారికి వస్తుందని, దీనిపై అనేక పరిశోధనలు జరుగుతున్నాయని, ఈ సందర్భంగా అల్టిమర్గ్ అవగాహనకు సంబంధించిన పోస్టర్ను విడుదల చేశారు. అనంతరం సైకియాట్రి విభాగం ఇన్చార్జ్ విభాగాధిపతి శివానంద్ మాట్లాడుతూ దేశ జనాభాలో 20 శాతంమంది వ్యధులు అనగా 3 నుండి 5 కోట్లమంది ఈ జబ్బుతో బాధపడుతున్నారని తెలియజేశారు. ఈ సందర్భంగా ఓపిడి ముందు ప్రాంగణంలో అల్టిమర్గ్ వ్యాధి దీనితోనూ గుర్తుగా స్విమ్స్ డైరెక్టర్ వెంగమ్మ మొత్తం కార్యక్రమంలో న్యూరాలజీ, మెడికల్ విద్యార్థులు, పీజీ రాజశేఖర్, నర్సింగ్ విద్యార్థులు, డాక్టర్లు, నర్సులు, పాషంట్లు, ఇతర విభాగాల వైద్యులు, పేషంట్లు తదితరులు పాల్గొన్నారు.

SVIMS NEWS



వైద్యరంగంలో ఫార్మసిస్ట్ పాత్ర కీలకం

- స్విమ్స్ డైరెక్టర్, వైస్ ఛాన్సలర్ డాక్టర్ బి.వెంగమ్మ



విశాలాంధ్ర - తిరుపతి ఎస్సీయూ : వైద్య రంగంలో ఫార్మసిస్ట్ల పాత్ర కీలకమని స్విమ్స్ డైరెక్టర్, వైస్ ఛాన్సలర్ డాక్టర్ బి.వెంగమ్మ అన్నారు. పర్యేత దీపావళి అంశంలో శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్విమ్స్) శ్రీపద్మావతి హాస్పిటల్ నందు బుధవారం సాయంత్రం ప్రపంచ ఫార్మసిస్ట్ దినోత్సవాన్ని ఘనంగా నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా వచ్చేసిన స్విమ్స్ డైరెక్టర్ పర్యేత దీపావళి అంశంలో వివిధ సమీక్షల కోసం ఏర్పాటు చేసిన ప్రత్యేక కాన్ఫరెన్స్ హాలును ప్రారంభించారు. ఈ సందర్భంగా ఫార్మసిస్ట్లను ఉద్దేశించి మాట్లాడుతూ ఈ సంవత్సరం ఫార్మసిస్ట్ దినోత్సవం యొక్క ముఖ్య ఉద్దేశ్యం 'సేవ్ అండ్ ఎన్ఫోర్స్ మెడిసిన్' ఫర్ ఆల్ అని తెలుపుతూ వైద్యరంగంలో వైద్యుల స్థానం ఎంత గొప్పదో, ఫార్మసిస్ట్లకు కూడా అంత స్థానం ఉన్నదన్నారు. రోగులు కోలుకోవడంలో మెడిసిన్ ఎంతో ప్రాధాన్యమని తెలిపారు. ప్రతి ఒక్కరికీ నాణ్యమైన, సమర్థవంతమైన మెడిసిన్ అందడం ఎంతో ముఖ్యమని తెలిపారు. విదేశాలలో ఫార్మసీ రంగం ఎంతో ప్రముఖమైనదని తెలుపుతూ అత్యవసర వైద్యులు, పేషంట్లకు ఏ మెడిసిన్ తీసుకోవాలో మాత్రమే చెబుతారని, అమెడిసిన్ శాతం ఎంత దోసెజ్ తీసుకోవాలి, ఎలా తీసుకోవాలి అనే విషయాలను ఫార్మసిస్ట్ తెలుపుతారని అన్నారు. మన ఇండియాలో కూడా ఫార్మసీ రంగం అంతే స్థాయిలో అభివృద్ధి చెందాలని ఆశాభావం వ్యక్తం చేశారు. ఈ కార్యక్రమంలో స్విమ్స్ ఫార్మసీ విభాగం ఉద్యోగులు స్విమ్స్ సందా లకు, ఉపకులపతి డాక్టర్ బి.వెంగమ్మకు పుష్పగుచ్ఛం అందించి దుక్ఖాలువాతో సన్మానించారు. ఈ కార్యక్రమంలో పర్యేత దీపావళి అంశంలో అన్నింటి డైరెక్టర్ ఎం.ప్రసన్న లక్ష్మి స్పీకర్స్ అన్నింటి డైరెక్టర్ సతీష్, అరుణ, ఫార్మసీ సెల్లందీ సీనియర్ ఫార్మ సిస్ట్ వేటా సుబ్రహ్మణ్యం, గ్రేడ్-1 ఫార్మసిస్టులు యు.ఎస్.లక్ష్మీకామేశ్వరి, బాబు సురేష్, సుబ్రహ్మణ్యం, పర్యేత విభాగం సెల్లందీ, బెటెనోర్నింగ్ ఫార్మసిస్టుల తదితరులు పాల్గొన్నారు.

స్విమ్స్ ప్రాణదాన ఆపరేషన్లకు 113 మంది ఎంపిక

తిరుపతి (వైద్యం), నెప్టెంబరు 28: డి.డి.డి ప్రాణదాన పథకం కింద ఉచిత ఆపరేషన్ల కోసం 113 మంది నిరుపేద రోగులను ఎంపిక చేసినట్లు స్విమ్స్ డైరెక్టర్ డాక్టర్ భూమా వెంగమ్మ తెలిపారు. తిరుపతిలోని స్విమ్స్లో గురువారం ఆమె ఆధ్వర్యంలో కమిటీ సభ్యులైన డాక్టర్లు రామ్, కోటిరెడ్డి, కుసుమకుమారి, మురళీధర్ రావు, నాగమనెయ్య, వీవీ రమేష్చంద్ర, సందీప్రెడ్డి సమావేశమయ్యారు. రోగుల ఎంపిక ప్రక్రియను చేపట్టారు. స్విమ్స్లో ఇది వరకే చికిత్స పొందుతున్న రోగి ఆర్థోగ్ స్థితిగతులు, బియ్యం కాపు కలిగి దారిద్ర్యరేఖకు దిగవన జీవిస్తున్న నిరుపేదలను వారి అర్హతలను బట్టి 113 మందిని ఎంపిక చేపట్టారు. అందులో న్యూరాలజీ విభాగంలో 8, నెఫ్రాలజీలో 12, న్యూరో సర్జరీలో 31, కార్డియోథొరాసిక్లో 14, అంతాల్జీలో 43, మెడిసిన్లో 3, గ్యాస్ట్రోఎంట్రాలజీలో 1 చొప్పున పేద



రోగులను ఎంపిక చేస్తున్న డైరెక్టర్ డాక్టర్ వెంగమ్మ

రోగులను ఎంపిక చేశామని వెంగమ్మ తెలిపారు. పేద రోగులకు ఖరీదైన ఆపరేషన్లు ఉచితంగా అందించేందుకు దాతలు ప్రాణదాన పథకానికి విరివిగా విరాళాలు అందించాలని కోరారు.

నర్సింగ్ రంగంలో పరిశోధనలకు ప్రోత్సాహం



స్విమ్స్ డైరెక్టర్ డాక్టర్ వెంగమ్మను సన్మానిస్తున్న నర్సింగ్ అధ్యాపకులు

తిరుపతి వైద్యం, నెప్టెంబరు 27: నర్సింగ్ రంగంలో పరిశోధనలకు మరింత ప్రోత్సాహాన్ని అందిస్తామని స్విమ్స్ డైరెక్టర్ డాక్టర్ భూమా వెంగమ్మ తెలిపారు. శుక్రవారం స్విమ్స్లోని శ్రీపద్మావతి ఆడిటో రి యంలో ఎంఎస్సీ నర్సింగ్ విద్యార్థులకు వీడ్చిలా కార్యక్రమంలో ఆమె మాట్లాడారు. వైద్య రంగం లో నర్సింగ్ విభాగం పాత్ర చాలా కీలకమన్నారు. నర్సింగ్ అధ్యాపక వృత్తిని కూడా చేపట్టడానికి వీహెచ్డీ అవసరమన్నారు. త్వరలోనే నర్సింగ్ రంగంలో పరిశోధనలకు ప్రోత్సాహాన్ని అందించేలా ప్రణాళికలను సిద్ధం చేస్తున్నట్లు తెలిపారు. స్విమ్స్ ఇన్ ఛార్జ్ రిజిస్ట్రార్ డాక్టర్ శ్రీధర్ బాబు మాట్లాడుతూ స్విమ్స్ యూనివర్సిటీలో ఎంఎస్సీ వీహెచ్డీ కోర్సును ఏర్పాటు చేయనున్నట్లు తెలిపారు. ప్రీన్సిపాల్ డాక్టర్ సుధారాణి పాల్గొన్నారు.

ఆంటీమైక్రోబయోల్ స్ప్రెడ్ షిప్పై సిఎంఐ విజయవంతం

విశాలాంధ్ర - తిరుపతి ఎస్సీయూ : శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్విమ్స్) నందు మైక్రోబయాలజీ విభాగం, ఆంటీమైక్రోబయోల్ స్ప్రెడ్ షిప్ కమిటీ విభాగాల సంయుక్త ఆధ్వర్యంలో శనివారం శ్రీ పద్మావతి ఆడిటోరియం నందు ఆంటీ మైక్రోబయోల్ స్ప్రెడ్ షిప్-నో యాక్షన్ టుడే, నో క్యూర్ టుమోర్ - డబ్ల్యు.హెచ్.ఓ. అనే అంశంపై నిరంతర వైద్య కార్యక్రమాన్ని విజయ వంతంగా నిర్వహించారు. ఈ సందర్భంగా స్విమ్స్ డైరెక్టర్, వైస్ ఛాన్సలర్ డాక్టర్ బి.వెంగమ్మ మాట్లాడుతూ ఆంటీమైక్రోబయోల్ స్ప్రెడ్ షిప్ అనేది ఒక సమస్యను కార్యక్రమం లాంఛనం, యూటీ బయోటిక్స్ యొక్క సరైన వాడకాన్ని ప్రోత్సహించడం ద్వారా రోగి యొక్క చికిత్సా ఫలితాలు మెరుగుపడతాయి, తద్వారా తర్రంలో హాక్సుజీవుల నిరోధకాన్ని తగ్గిస్తుందన్నారు. అలాగే మట్టి ద్రగ్గి వలన కలిగే ఇతర వ్యాధులను కూడా నియంత్రించడానికి ఉపయోగపడుతుందని తెలిపారు. వీని ముఖ్య ఉద్దేశ్యం రోగి యొక్క ఆరోగ్య ఫలితాలను పెంచడం, అనవసరమైన మెడికేషన్ ఖర్చులను తగ్గించడం, యూటీబయోటిక్స్ వాడకాన్ని తగ్గించడం అని చెప్పారు. ఇటువంటి సి.యూ.ఐ. కార్యక్రమాలు నిర్వహించడం వలన వైద్య పరిశోధనా రంగంలోని వారికి ఎంతో ఉపయుక్తంగా ఉంటుందని తెలిపారు. ఈ కార్యక్రమంలో స్విమ్స్ వైద్యులు మైక్రోబయాలజీ విభాగం అసోసియేట్ ప్రొఫెసర్ డాక్టర్ అర్.జయప్రకాశ కాంపోనెంట్స్ అఫ్ ఎ.యం.



ఎస్.సి. - స్పెష్ డ్రాఫ్టింగ్, ప్రెజెంటేషన్ ద్వారా వివరించారు. ఈ సందర్భంగా మైక్రోబయాలజీ విభాగాధిపతి, ఇతర సీనియర్, స్విమ్స్ సందా లకులు, ఉపకులపతి డాక్టర్ బి.వెంగమ్మను దుక్ఖాలువాతో సన్మానించి, శ్రీవారి చిత్రాన్ని బహూకరించారు. ఎ.పి.యం.సి. ఆజ్ఞాపకం, రుయి హాస్పిటల్ ను సర్వర్ విభాగాధిపతి డాక్టర్ మనోహర్ను స్విమ్స్ డైరెక్టర్, మెడికల్ కలెజ్ బెందెంట్ డాక్టర్ రామ్, డాక్టర్ కె.కె.తల్లూ దుక్ఖాలువాతో సన్మానించారు. కార్యక్రమంలో రిజిస్ట్రార్ డాక్టర్ శ్రీధర్ బాబు, డాక్టర్ కె.కె.తల్లూ, తర్రు సింగ్, డాక్టర్ పి.వి.ఎల్.ఎస్.శ్రీనివాస్, జయాలజీ విభాగం వైద్యులు, వి

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స్విమ్స్లో 'డిస్లిపిడేమియా'పై వైద్య విద్య

తిరుపతి తుదా: స్థానిక స్విమ్స్ అసోసియేషన్ కార్యాలయ విభాగం ఆధ్వర్యంలో శనివారం 'మేనేజ్మెంట్ ఆఫ్ డిస్లిపిడేమియా' అనే అంశంపై నిరంతర వైద్య విద్యార్థులకు మాన్యు నిర్వహించారు. ఈ కార్యక్రమాన్ని స్విమ్స్ డైరెక్టర్ డాక్టర్ వెంగమ్మ జ్యోతి వెలిగించి ప్రారంభించారు. అనంతరం ఆమె మాట్లాడుతూ సాధారణంగా రక్తంలో లిపిడ్లు అసాధారణ స్థాయిలో ఉన్నప్పుడు డిస్లిపిడేమియాకు గురవుతారని తెలిపారు. ఆధునిక జీవితంలో పేద, ధనిక, లింగ భేదాలు లేకుండా చిన్న వయసులోనే చాలా మంది గుండెపోటుకు గురవుతున్నారని తెలిపారు. శారీరక వ్యాయామం, మంచి పోషక ఆహారం తీసుకుంటూ క్రమం తప్పకుండా నిర్దిష్టమైన పద్ధతులను పాటించినప్పుడే ఆరోగ్యమైన జీవితం గడవవచ్చున్నారు. కార్యాలయ విభాగం సిబ్బంది, డాక్టర్లు ఇలాంటి కార్యక్రమాలు నిర్వహించడం సంతోషకరమని, వారిని ఆమె ఆభినందించారు. ఈ కార్యక్రమంలో



కార్యక్రమాన్ని జ్యోతి వెలిగించి ప్రారంభిస్తున్న స్విమ్స్ డైరెక్టర్ డాక్టర్ వెంగమ్మ

కార్యాలయ విభాగాధిపతి డాక్టర్ రాజశేఖర్, వైద్యులు డాక్టర్ సుమంతర్, డాక్టర్ టి సురేష్ బాబు, డాక్టర్ ప్రవీణ్ కుమార్ రెడ్డి, డాక్టర్ వనజాక్షమ్మ, డాక్టర్ శ్రీధర్ బాబు, డాక్టర్ హనుమంతరావు, పీజీ వైద్యవిద్యార్థులు, నర్సింగ్ విద్యార్థులు, టిప్సీయన్లు పాల్గొన్నారు.

ఆహార నియమాలతోనే ఆరోగ్యం



సమావేశంలో మాట్లాడుతున్న స్విమ్స్ డైరెక్టర్ వెంగమ్మ

తిరుపతి(వైద్యవిభాగం). స్వాస్థ్యమే సాధారణ ఆరోగ్యం సాధ్యమని స్విమ్స్ డైరెక్టర్ డాక్టర్ భూమా వెంగమ్మ పేర్కొన్నారు. శనివారం స్విమ్స్ కార్యాలయ విభాగం ఆధ్వర్యంలో శ్రీపద్మావతి ఆడిటోరియంలో 'మేనేజ్మెంట్ ఆఫ్ డిస్లిపిడేమియా' అనే అంశంపై నిరంతర వైద్యవిద్య కార్యక్రమం జరిగింది. ఈ సందర్భంగా ఆమె మాట్లాడుతూ.. లిపిడ్లు అసాధారణ స్థాయిలో ఉన్నప్పుడే డిస్లిపిడేమియాకు గురవుతారని తెలిపారు. పేద, ధనిక లింగ, వర్గ విభేదాలు లేకుండా గుండెపోటు వస్తుందని తెలిపారు. శారీరక వ్యాయామం తప్పనిసరిగా ఉండాలన్నారు. కార్యాలయ విభాగాధిపతి డాక్టర్ రాజశేఖర్ ఆధ్వర్యంలో జరిగిన కార్యక్రమంలో వైద్యులు సురేష్ బాబు, ఎస్.ప్రవీణ్ కుమార్ రెడ్డి, నాగనరసింహారెడ్డి, వి. వనజాక్షమ్మలు అంశాలపై పవర్ పాయింట్ ప్రజెంటేషన్ ద్వారా వివరించారు.

శ్రీవారి భక్తులకు స్విమ్స్ వైద్యసేవలు

తిరుపతి అర్బన్: శ్రీవారి బ్రహ్మోత్సవాల సేవల్లో స్విమ్స్ సేవలకు భక్తులకు ప్రత్యేక వైద్యసేవలు అందించడానికి సిద్ధంగా ఉన్నట్లు స్విమ్స్ డైరెక్టర్ అండ్ వైస్ చాన్సలర్ డాక్టర్ వెంగమ్మ తెలిపారు. సోమవారం ఆమె మీడియాతో మాట్లాడుతూ వివిధ విభాగాలకు చెందిన ప్రత్యేక వైద్యనిపుణులు 40 మందిని నియమించినట్లు పేర్కొన్నారు. అంతేకాకుండా స్విమ్స్ డైరెక్టర్ వెంగమ్మ తండ్రి పలువురు సాధారణ డాక్టర్లతోపాటు 35 మంది నర్సింగ్ చెప్పారు. సోమవారం నుంచి అక్టోబర్ 9వ తేదీ వరకు సేవ సిబ్బందిని ఏర్పాటు చేసినట్లు స్పష్టం చేశారు. గతంలో కన్నా లు అందిస్తామన్నారు.



ఈ ఏడాది అధికంగా నియమించినట్లు వెల్లడించారు. నడకదారి భక్తుల కోసం అలిపి, శ్రీవారి మొట్ట బెంత వస్యమిడ్ సెంటర్లను ఏర్పాటు చేయడంతోపాటు తిరుమలలో ఆశ్వని ఆస్పత్రిలో అత్యవసర సేవలు అందించడానికి ఏర్పాటు చేసినట్లు స్పష్టం చేశారు. అంతేకాకుండా శ్రీవారి భక్తులకు అవసరం అయిన మేరకు ఉచితంగా మందులు వంపిణీ చేయనున్నట్లు తెలిపారు.



రేగిగుంట విమానాశ్రయంలో శిక్షణాంకం తిరుపతి వైద్యుల నిమిత్తం విచ్చేసిన ఉప ముఖ్యమంత్రి, వైద్య ఆరోగ్య శాఖా మంత్రి లక్ష్మీ నాని ని స్విమ్స్ డైరెక్టర్ & వైస్ చాన్సలర్ డాక్టర్ వెంగమ్మ ముఖ్యధికారిగా కలిశారు.

నిశ్చలమైన ప్రవర్తన ఉండాలి: స్విమ్స్ డైరెక్టర్

తిరుపతి పోల్డ్, సెప్టెంబర్ 18 (ప్రభుత్వం). స్విమ్స్లోని ఫిజియోథెరపీ కాలేజీలో చెన్నైకి చెందిన ప్రముఖ మేనేజ్మెంట్ కన్ఫరెన్స్ శ్రీధియ విచ్చేసి అస్సోసియేట్ కమ్యూనికేషన్, వర్కింగ్ విత్ కోలాబోరేషన్ అంశంపై అతిథి ఉపన్యాసం అందించినట్లు స్విమ్స్ డైరెక్టర్ వెంగమ్మ తెలియజేశారు. ఈ సందర్భంగా శ్రీధియ మాట్లాడుతూ నేటి యాంత్రిక జీవితంలో ప్రతిఒక్కరూ దృఢమైన, నిశ్చలమైన ప్రవర్తన కలిగి ఉండాలని, తమ జీవితంలో ఎదురయ్యే క్లిష్టపరిస్థితులను ఎలా ఎదిరించాలో వివరణాత్మకంగా వివరించారు. ఈ సందర్భంగా స్విమ్స్ డైరెక్టర్ వెంగమ్మ మాట్లాడుతూ ప్రతిఒక్కరూ ఒకరికోసం ఒక గ్రూప్గా ఏర్పడి సహకరించుకోవడం వలన తమ వైద్యబ్యాసు మెరుగుపరుగుకోవచ్చని, జ్ఞానం, అనుభవాన్ని పెంచుకోవచ్చని,



అతిథి ఉపన్యాసం చేసిన సుప్రయా మణితో స్విమ్స్ విద్యార్థులు



అతిథి ఉపన్యాసం చేసిన సుప్రయా మణితో స్విమ్స్ విద్యార్థులు

తద్వారా తమ దైనందిన జీవితంలో విజయం సాధించడానికి ఉపయోగపడతాయని తెలిపారు. ఫిజియోథెరపీ శ్రీధియమణికి శ్రీవారి చిత్రపటం, స్వామివారి కార్యక్రమంలో స్విమ్స్ ఫిజియోథెరపీ కాలేజీ పాల్గొన్నారు.

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మురళీకృష్ణకు పుష్పగుచ్ఛం అందిస్తున్న స్విమ్స్ అధికారులు

స్విమ్స్ అభివృద్ధికి కృషి

తిరుపతి(వైద్యవిభాగం), న్యూస్టుడే: తిరిపే పాలకమండలి సభ్యుడు, స్విమ్స్ ఎగ్జిక్యూటివ్ బోర్డు సభ్యుడు పెరిగల మురళీకృష్ణ సోమవారం ఉదయం స్విమ్స్ను సందర్శించారు. స్విమ్స్ డైరెక్టర్ డాక్టర్ భూమా వెంగమ్మ, ఆర్ఎంఓ డాక్టర్ కోటిరెడ్డి, ఇన్చార్జ్ రిజిస్ట్రార్ డాక్టర్ శ్రీధర్బాబు, ప్లాస్టిక్ సర్జరీ విభాగాధిపతి డాక్టర్ ప్రవీణ్ కుమార్ రెడ్డి స్వాగతం పలికారు. స్విమ్స్ ఓపీడీ విభాగం, ఎమర్జెన్సీ వార్డు, ఆర్ఐసీయూ, ఎంఐసీయూ, డాక్టర్ వైఎస్ఆర్ ఆరోగ్యశ్రీ విభాగం, న్యూరాలజీ, కార్డియాలజీ, నేఫ్రాలజీ, ఎంఆర్ఐ, రేడియాలజీ, నెఫ్రోప్లస్, శ్రీపద్మావతి మహిళా వైద్య కళాశాల, హాస్పిటల్ను సందర్శించారు. ఈ సందర్భంగా వెంగమ్మ స్విమ్స్లో జరుగుతున్న అభివృద్ధి కార్యక్రమాలు, రోగులకు అందిస్తున్న వైద్య సేవలను వివరించారు. స్విమ్స్ అభివృద్ధికి తనవంతు కృషి చేస్తానని హామీ ఇచ్చారు. కార్యక్రమంలో మెడికల్ సూపరింటెండెంట్ డాక్టర్ రామ్ పాల్గొన్నారు.

స్విమ్స్ శ్రీ బాలాజీ ఆరోగ్య వరప్రసాదానికి రూ. 5 లక్షలు విరాళం



విశాలాంధ్ర - తిరుపతి
విస్వీయూ : శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్విమ్స్) ఆసుపత్రికి, తమిళనాడు రాష్ట్రం, చెన్నైకి చెందిన ప్రొఫెసర్ ఆర్.చర్మతం రూ. 5,00,000 విరాళాన్ని డి.టి.డి స్విమ్స్ శ్రీ బాలాజీ ఆరోగ్య వరప్రసాదానికి అందజేశారు. ఈ మేరకు విరాళాన్ని శుక్రవారం స్విమ్స్ డైరెక్టర్, వైస్ చాన్సలర్ డాక్టర్ బి.వెంగమ్మ కు అందించారు. ఈ సందర్భంగా స్విమ్స్ డైరెక్టర్ దాతకు ప్రత్యేక కృతజ్ఞతలు తెలియచేస్తూ, దాత అందించిన విరాళాలను వైద్య పరిశోధనలకు వినియోగించునున్నట్లు తెలియచేశారు.

స్విమ్స్ బాలాజీ ఆరోగ్య వరప్రసాదానికి రూ.10,00,116 విరాళం

తిరుపతి హెల్త్, నవంబర్ 8
(ప్రభుత్వం) స్విమ్స్ ఆసుపత్రికి, మంగళగిరికి చెందిన లియా ఇన్ఫ్రాస్ట్రక్చర్ ప్రైవేట్ లిమిటెడ్ వారు టిటిడి స్విమ్స్ శ్రీబాలాజీ ఆరోగ్య వరప్రసాదానికి 10,00,116 రూపాయల విరాళాన్ని అందజేసినట్లు స్విమ్స్ డైరెక్టర్ వెంగమ్మ తెలియజేశారు.



స్విమ్స్ డైరెక్టర్ వెంగమ్మకు డిడి అందజేస్తున్న దాత

టిటిడి పాలకమండలి సభ్యుడు, స్విమ్స్ ఎగ్జిక్యూటివ్ బోర్డు మెంబర్ మురళీకృష్ణ ఈ విరాళ మొత్తాన్ని డిడి రూపంలో స్విమ్స్ డైరెక్టర్ రాంబాబ్ డాక్టర్ వెంగమ్మకు కలిసి అందజేశారు. శ్రీవారిపై ఉన్న భక్తి విశ్వాసాలతో, స్విమ్స్ డైరెక్టర్ వెంగమ్మ పేద ప్రజలకు అందజేస్తున్న వైద్యసేవలను పరిగణనలోకి తీసుకుని ఈ విరాళ మొత్తాన్ని అందజేసినట్లు లియా ఇన్ఫ్రాస్ట్రక్చర్ ప్రైవేట్ లిమిటెడ్ అధినేత రాఘవేంద్ర తెలిపారు.

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మహిళలకు పింకీబస్సు వైద్య పరీక్షలు ఎంతో ఉపయోగకరం - స్వప్న భైరవర్
వెంగమ్మ

మంసూరు, అక్టోబరు 2 ప్రకారము :

మహారాజు వీరు బహు ప్రేక్షక వర్తకులలో ఒకరు. ఇదిమొకరినను వీరు ప్రేక్షక ప్రేక్షకుల మధ్య అంతా. ఇదిమొకరు ముగ్గురు కల్యాణముల వద్ద స్వీయ ప్రేక్షకల అభ్యర్థనలకు వీరు బహు ప్రేక్షక కీర్తిని నిర్వహించారు. అదిమొగ్గుగా ఆమె మహారాజులను అనే వివిధరీతల సుఖాలను కలిపి ప్రేక్షక వీరు హుల్లా చేసినట్లు తెలుసు. సుమారు రూ.10.00 నిలువ చేసి ప్రేక్షక వర్తకుల కదితంగా నిర్వహిస్తూ వున్నారు. 40వేల మందిమహారాజుల మహారాజు ప్రేక్షకులను అనేక విధాల ప్రార్థనలను చేస్తూ వున్నారు. వీరు హుల్లా చేసినట్లు తెలుసు. మొదటి, రెండవ స్థాయిలకు వీరు వచ్చి భార్యను చేసివచ్చారు. సెం రోజులు ప్రేక్షక రీతలకు చేసుకునే వచ్చి మహారాజుల అంతాగ కదితంగా. అభ్యర్థన గురించి అనేమీ చేసి వీరు తీరని కారాన్ని చేసివచ్చినట్లు తెలుసు. అంతరంగిని నిలువ చేసుకునే ముగ్గురును విడిచివేసి ప్రేక్షక రీతలకు చేసుకునే మహారాజు చేసుకునే కదితం చేసి వర్తకుల



సమావేశంలో మాట్లాడుతున్న స్పీచ్మెన్ డైరెక్టర్ వెంగమ్మ



పింక్ బస్ ద్వారా క్యాన్సర్ వ్యాధి నిర్ధారణ పరీక్షలు

[illegible]

పాపిష్టి ఎదురుపడి జబ్బులలో రైతుసహకరణ అలోచనా పరిషత్తును మేకరేపాడు తెలిపారు. స్వస్థిలో ప్రైవేట్ వాసుల నుండి ధాన్యంని లాభాల్లో పంచుకోవడంపై సహకరణ వారి సభ్యుల ఆడిమిపాటును సహకారంలో చూడాలనిపించిన నందు మేధావంతులగా పిల్ల వేళ్లకు సహకార కిరణాల క్రాఫ్టును ఏర్పాటు చేశామన్నారు. ఇప్పటి వరకు 15 క్రాఫ్టులను నిర్వహించారు. ఇది 20వ క్రాఫ్టుగా చేర్చేటటు, కుటుంబం ఆ పనులలో ప్రీమియంపై అతిథి క్రాఫ్టులకు కిరణాల్లో మరలాలనుకున్నా గానూ ఇప్పటివరకు కుటుంబం సభ్యుల అలోచనా కూడా పరిషత్తులో పాల్గొని ఏదీ చేయలేదు. కల కలగనివచ్చినా, ఈ క్రాఫ్టులను సహకారంలో పంపిస్తే, ధాన్య కిరణాల, డిల్లీరాల, సాగులను, మేడి, బియ్యం, పరిశుభ్రం, ఆట, సాగరకాసు, సాగు నిల్వ, మరీ, బావి తదితరాలను స్వస్థిలో ప్రైవేట్ వేడి పొందుకున్న మధ్యతరాలలో కనిపించారు.



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[illegible]

స్వీమ్మలో రోగిని పరామర్శిస్తున్న టీటీడీ చైర్మన్ వైవీ సుబ్బారెడ్డి, ఎమ్మెల్యే చెవిరెడ్డి భాస్కర్ రెడ్డి

తెలంగాణ ప్రైవేట్, నవంబరు 1 స్పెషల్ లో చీకటి ప్రయాణాన్ని క్రింద
 వీధి పార్కింగ్ లో టీడీపీ ప్రభుత్వ సేన సురక్షితం చేసి పార్క్ చేసి
 నెలరోజుల పాటు కక్షపూరితంగా వైఎస్ఆర్ పార్కింగ్, కృష్ణ కలా నాటికలను
 ఏడవ ఏలూరు బంగారు లోడిలో క్లిష్టత చేసింది చివరకు నాటికలు
 చివరకు ప్రైవేట్ గానుంచీ బంగారు నేలలో వచ్చింది చివరకు తెలంగాణ
 ప్రభుత్వం, ఇంజనీర్ల పక్షాన్ని, అక్కడ నుంచి మెరుగైన చీకటి కేసు
 స్పెషల్స్ పట్ల ప్రైవేట్ చీకటి ప్రయాణం, అవినీతి నాటికలలో
 దాదా చీకటి ప్రయాణాన్ని అందుకు వై సుబ్బారావు, దాదా క్లిష్టత లోకి
 వై పార్కింగ్ పార్కింగ్. ఆ సందర్భాల్లో అవినీతి దాదా క్లిష్టత లోకి
 అందుకున్న ప్రైవేట్ నాటిక, అటు లోకం ప్రైవేట్ ప్రైవేట్ పార్కింగ్
 బంగారు మెరుగైన ప్రైవేట్ నేల అందుతుంది వీధి స్పెషల్ ప్రైవేట్ దాదా
 నాటికల నాటికల నాటికల

తిరుపతి(స్వీట్స్), న్యూస్టుదే:

[illegible]

ముఖ్య అతిథిని సత్కరించిన దృశ్యం

[illegible]

తిరుపతి హిల్స్, అక్టోబర్ 29 (ప్రభుత్వం)

స్వీష్టునునుపాత్రలోని ధైర్యం చాపి ఆపరణలో మంగళవారం
ఉదయం 11 గంటలకు స్వీష్టు ప్యాకల్టీ డాక్టర్లు, రెసిడెంట్ డాక్టర్లు,
పాఠామెడికల్ సిబ్బంది, నాన్ పాఠామెడికల్ సిబ్బందితో ఇంటిగ్రేటెడ్ ప్లీడ్
కార్యక్రమాన్ని నిర్వహించినట్లు స్వీష్టు ధైర్యం వెంగమ్మ తెలియజేసారు.
ఈ సందర్భంగా ఆమె మాట్లాడుతూ సెంట్రల్ విజిలెన్స్ కమిషన్,

[illegible]

తిరుపతి హిల్స్, నవంబర్ 2 (ప్రభన్యూస్)

[illegible]

ప్రతిజ్ఞ చేయిస్తున్న మహిళా వైద్య కళాశాల ప్రిన్సిపాల్ శరణ్

స్వేచ్ఛలో ధ్యాన

మించిరి - డాక్టర్ వెంగమ్మ
 చిరువడే పాత్ర. నవంబర్ 8
 (ప్రభాకర్) స్వీయ కార్మికులాలే
 వివాహం అభ్యర్థించి శ్రీకృష్ణుల
 ఉదయం క్రిందపూజించి ఉపేక్ష వహి
 రుడం నెం. 40లో స్వీయ
 ఉద్యోగులు, పేషెంట్ల కోసం డాక్టర్
 వివాహాన్ని ప్రారంభించి స్వీయ
 డైరెక్టర్ వెంగమ్మ తెలియజేశారు.
 డాక్టర్ వెంగమ్మ ప్రేమకావ్యం, మే
 మేడికల్ నూపాకెంట్ల రామలక్ష్మి
 కలిసి డాక్టర్ వెంగమ్మ డాక్టర్
 వివాహాన్ని ప్రారంభించి పూజా
 కార్యక్రమాలు నిర్వహించారు.
 కార్మికులాలే వివాహం ప్రాసెస్
 నవంబర్ అభ్యర్థించి ఉదయం నెం.
 బుడ, శ్రీకృష్ణరాజ్ ఉదయం 8
 అభ్యర్థించి 1 గంటపాటు
 స్వీయ ఉద్యోగులు, పేషెంట్ల
 డాక్టర్ ముప్పాడు నెం. 40లో
 ఈ సందర్భంగా స్వీయ డైరెక్టర్
 ముప్పాడు మా నేటి ఆయన
 నవంబర్ అభ్యర్థించి అనేక
 మార్పుల వలన వివరీకృతం
 అభివృద్ధి పాలు మానవ
 అభివృద్ధి సందర్భంగా
 అభివృద్ధి వారు పూజా
 డాక్టర్ వద్దనుండి ప్రసాద
 డాక్టర్ అనేక జ్ఞానము
 నయం పేషెంట్లవారు ముప్పాడు
 డాక్టర్ డాక్టర్ అభివృద్ధి
 నివారించుకొనవచ్చు, ప్రజలు ఈ
 అవకాశాన్ని వినియోగించుకొనవచ్చు
 నివృద్ధులైనారు. కార్మికులాలే
 ప్రేమకావ్యం, మే
 మేడికల్, కార్మికులాలే ప్రేమకావ్యం.
 నెం. 40లో నివృద్ధుల, పేషెంట్లు.
 నివృద్ధుల పాత్రాన్ని.



మాటాడుతున్న జిడీ రామ్ గోపాల్

కలువాయి, మూసీబుడే : తిరువతిలో శ్రీ వెంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్పిమ్మ) ఆధ్వర్యంలో తిరువతి నాలుగో అదనపు జిల్లా జడ్జి జి.రామ్గోపాల్ సహకారంతో కలువాయిలోని బీబీఎంఆర్ జమ్మి ఉన్నత పాఠశాలలో శనివారం ఉచిత వైద్య శిబిరం నిర్వహించారు. ఈ సందర్భంగా జడ్జి జి.రామ్గోపాల్ మాట్లాడుతూ ఉచిత వైద్య శిబిరాన్ని ప్రజలు ఈ అవకాశాన్ని అవసరమైన ప్రతి ఉభయ సమస్యయిగా పరచుకొనాలని సూచించారు. వ్యాధిలో బాధపడేవారికి చికిత్స చేసి మందులను అందజేశారు. ఈ కార్యక్రమంలో స్పిమ్మ డైరెక్టర్ వెంగమృతి, జమ్మిబీసీ మాజీ సభ్యుడు బి. అనిల్కుమార్ రెడ్డి, మెంబర్లతో ప్రధాన మాజీ సభ్యుడు రమూరామిరెడ్డి, సొసైటీ అధ్యక్షుడు సుబ్బారామిరెడ్డి, పాఠశాల ప్రధానాధికారివ్యాయుడు జనారాం వైతాళి కలువాయి మండల నాయకులు మంతకునరసారెడ్డి, సుందరయ్య పాల్గొన్నారు.



Rare surgery at SVIMS saves 18 month-old girl

- ▶ She has been suffering from hypoglycaemia since birth
- ▶ She is operated in SVIMS after her condition deteriorates

V PRADEEP KUMAR

Pirapatti: Hypoglycaemia for an 18 months old baby, child caused ripples in her family who even approached court for her mercy killing. Now, with the prompt response of District Collector Dr N Bharat Guptha and officials of Medical and Health Department she has undergone surgery at SVIMS and has been recovering. Reddy Suhana has been suffering from low blood sugar levels since her birth causing worry to her parents AK Bavajan and Shabana of B Kothakota near Madanapalle, who lost their first two sons in a similar manner. To save the girl, they have approached many doctors, but her condition was deteriorating.

The parents approached the court seeking mercy killing to the child and the a report appeared in the newspapers. Chief Minister YS

DM&HO Dr M Penchalalah enquiring about the health condition of Reddy Suhana at SVIMS hospital in Tirupati (right) Shabana with her daughter Reddy Suhana after surgery

Jagan Mohan Reddy has directed the Collector to provide immediate assistance of Rs.1 lakh. When she was getting treatment at Madanapalle Government Hospital, her condition was deteriorated forcing the parents to shift her to a hospital in Bengaluru. The doctors told the parents that the girl's brain is infected and she needs immediate surgery that may cost Rs.5 lakhs.

Helpless Bavajan who is a street side food vendor has again approached the Collector for help. As

that surgery was not listed in YSR Arogyasri list, Collector took initiative for shifting the girl to SVIMS for surgery as a special case. Collector Bharat Gupta has directed the District Coordinator of Hospital Services (DCHS) Dr I. Saralamma to take steps and shift the girl to SVIMS.

Accordingly, she was brought to SVIMS on December 11 and undergone surgery on the next day. The DM&HO Dr M Panchalaiah visited the hospital on Monday

and enquired about the health condition of the baby. Speaking to The Hans India, he said that the surgery was successful and the girl has been recovering.

Reddy Suhana's father Bavajani also felt happy that his daughter has been recovering. "We must be thankful to CM, Collector and other officials for their timely help which saved her life. I have gone for loans and spent Rs.12-13 lakhs which is a big amount for me, he said.

సి.పి.ఆర్. పై వైద్య విద్యా కార్యక్రమం విజయవంతం

[illegible][illegible]

స్కిమ్మను సందర్శించిన ప్రముఖులు

[illegible][illegible]

స్విమ్మింగు ఉన్నత స్థాయికి తీసుకెళ్తాం

[illegible][illegible][illegible]

ಎಯಿಮ್ಮ, ನಿಮ್ಮ ತರಹಲೆ ಸ್ವಿಮ್ಮ ಅಭಿವೃದ್ಧಿ

తిరువతి హెల్త్ డివిజన్ 27 (ప్రధానమంత్రి) స్క్రిమ్మి సూపర్ స్పెషాలిటీ ఆసుపత్రిని ఎయిమ్స్ నిమ్స్ కలహతలో ఆవిష్కరించేయాలనే లక్ష్యంతో ముఖ్యమంత్రి జగన్ నాయుని టీడీపీ పరం చేయాలని నెకలంగదాని టీడీపీ డ్రైల్స్ వై.వి.సుబ్బారెడ్డి స్పష్టం చేశారు. స్టాన్ బి స్క్రిమ్మి ఆవరణలో శుభరూపం నాయులందరి టీడీపీ డ్రైల్స్ నిమిత్తం ప్యాకట్లని వరించడం చేసి కార్యక్రమం జరిగింది. ఆ సందర్భంగా తమను పరిచయం చేసుకున్న వివిధ విభాగాల వైద్య సిఫలజ్ఞులందరూ తమ తమ విభాగాలలోని సమస్యలను డ్రైల్స్ సుబ్బారెడ్డికి వివరించారు. అనంతరం సుబ్బారెడ్డి మాన్యువల్ రూపాన్ని తమ వాసులకు ఉత్తమ వైద్య సివలంధించే విధంగా తయారు చేసి తీర్చిదిద్దడానికి ముఖ్య మంత్రి జగన్మోహన్రెడ్డి కృత నిశ్చయంతో ఉన్నారన్నారు. బాణాశ్రమ వైద్యాన్ని కలహత వ్యయంతో ఆందరికి అందంచే విధంగా చేయాలనే స్క్రిమ్మిని టీడీపీ పరిచయించడానికి ఆమోదం తీసివారన్నారు. తయను ఆశయించి ఆయననిజంగా స్క్రిమ్మిని ఎయిమ్స్ నిమ్స్ కలహతలో ఆవిష్కరిస్తే తమిళనాడులో కృషి చేసేమన్నారు. తల వాగి కలహతలో కలహతనిధిని

- టీటీడీ చైర్మన్ వైవీ సుబ్బారెడ్డి

రెస్టారం చేస్తూన్నారు. స్విమ్మిడెక్కర్, షెన్ హార్వల్ రిడాక్ట్ వెంగమ్మ మాట్లాడుతూ స్విమ్మిడు అబీడిన్ షమ్సుద్దీన్ నుంచి పెండ్లాని, ఎమ్మెల్యే వాడను. క్యాబాలిటీను ఆదనకరించాలని అవ్వలించారు. ఆనందధర్మంగా సమూహకర్తని స్విమ్మి షైమ్సుద్దీన్ దుర్గాలు చేత సత్కరించారు. నిర్మితమవుతున్న కొత్త క్యాబాలిటీని, ప్రస్తుతం షైమ్సుద్దీన్ క్యాబాలిటీని, ఎంపెనియూ, ఆర్పెనియూ, వార్డియన్ న్యూరాజి, రేడియోధర్మి వార్డు, న్యూక్లియర్ షెడ్యూల్ విధానాలను సందర్శించారు. ఆ కార్యక్రమాలలో ఓన్ డ్యూ మంరతాపు, రిజిస్ట్రార్ డాక్టర్ శ్రీధర్బాబు, సుపరింటెండెంట్ డాక్టర్ రామ్, ఆర్ఎంఓ, డాక్టర్కోటే వెంకట్రామిరెడ్డి, డాక్టర్ శ్రీకాంత్, వివిధ విభాగాల అధికారులు పాల్గొన్నారు.



SVIMS NEWS



SVIMS Family greetings to SVIMS Director cum Vice Chancellor Dr. B. Vengamma Garu



SVIMS NEWS

