

ANNUAL REPORT 2020



**SRI VENKATESWARA
INSTITUTE OF MEDICAL SCIENCES**

(University established by an Act of A.P. State Legislature)

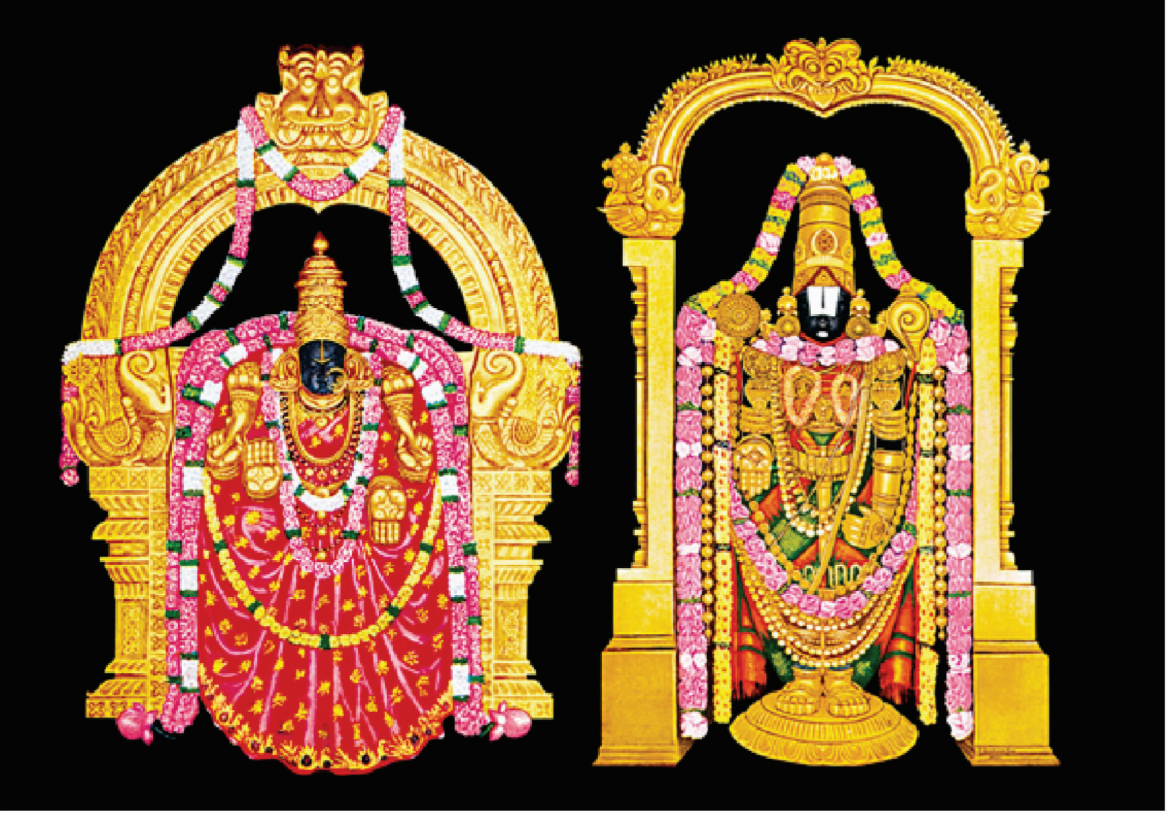
Website: <http://svimstpt.ap.nic.in>

TIRUMALA TIRUPATI DEVASTHANAMS, TIRUPATI



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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 క్రియాసుః

గతస్పృహో ధైర్యధరః కృపాళుః శుద్ధోధికారి భిషగీదృశః స్యాత్ ॥ (సుభాషితసుధాస్త్రభాణ్డాగారే)

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 వ్యాధిగ్రస్తే 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 VICE CHANCELLOR'S DESK



It gives me immense pleasure to once again share my thoughts with you through our Annual Report for the year 2020. 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 tough 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. The resilience and commitment shown by every member of SVIMS family in the fight against COVID-19 has been phenomenal and is appreciated. 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-VC

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**

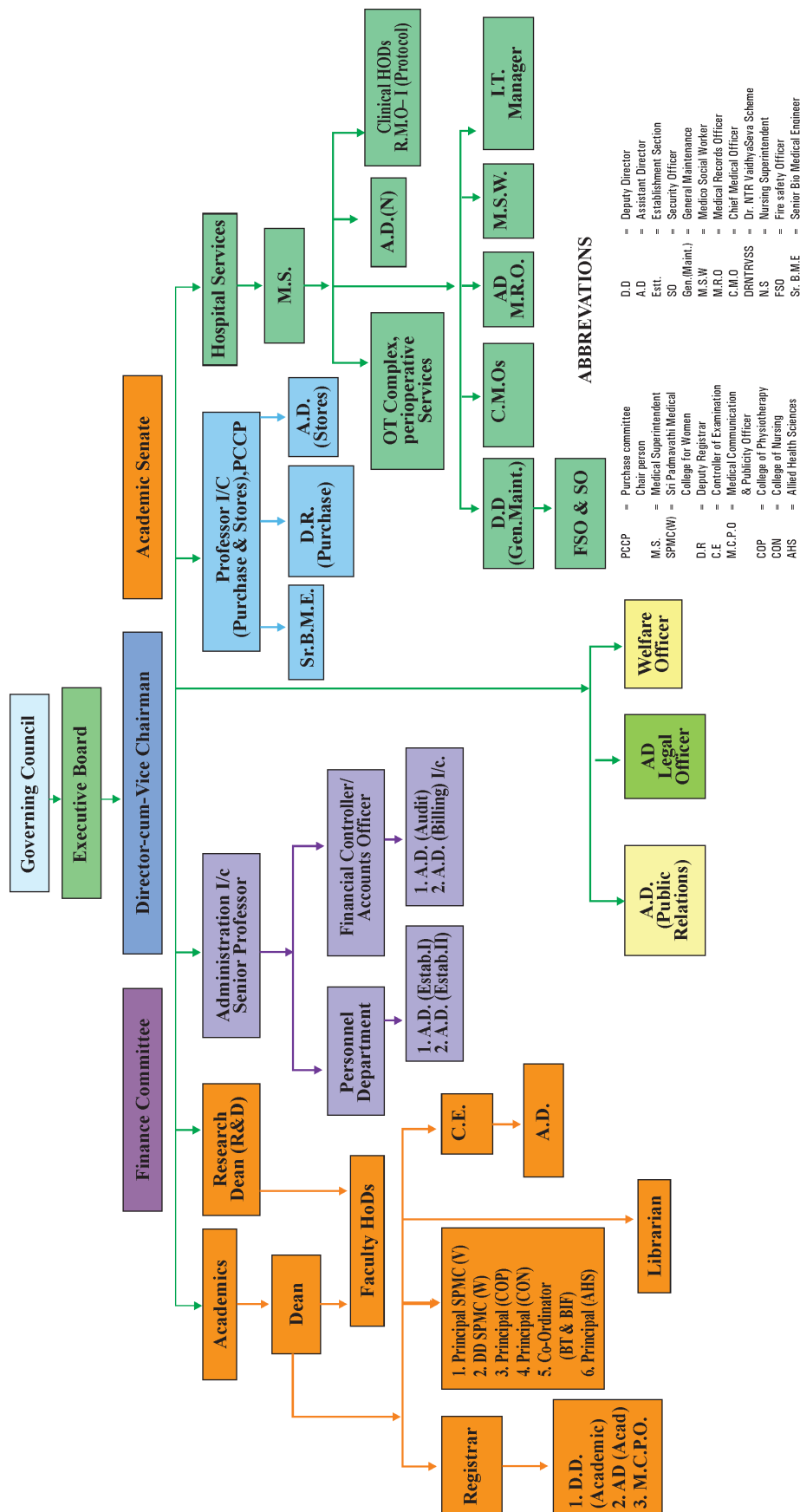
Objectives of the Institute

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 interdisciplinary fields of physical and biological sciences.
- ◆ To render service for community health care education needs and to function as a referral hospital.

SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES: TIRUPATI

ORGANIZATIONAL SETUP



Sri Venkateswara Institute of Medical Sciences

Sri Venkateswara Institute of Medical Sciences

(A University Established by Andhra Pradesh State Legislature)

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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 2020 is prepared.

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Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



I. ACADEMIC ACTIVITIES



Sri Venkateswara Institute of Medical Sciences

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, four colleges and two inter-disciplinary departments and 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 (now NMC) 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 2179.

1.1 Courses offered

Faculty	Courses	No. of seats	Duration (Yrs)
Modern Medicine	MBBS	175	5 ½
	Broad-specialties		
	MD-Medicine	09	
	- Pathology	02	
	- Biochemistry	01	
	- Microbiology	01	
	- Anaesthesiology	09	3
	- Transfusion Medicine	01	
	- Radiotherapy	03	
	- Radio diagnosis	07	
	- Nuclear Medicine	04	
	- Emergency Medicine	02	
	- General Surgery (From a.y. 2020-21)	04	
	Super-specialties		
	DM-Cardiology	04	
	- Nephrology	02	
	- Endocrinology	02	
	- Medical Oncology	02	
	- Neurology	03	3
	MCh- Cardiothoracic Surgery	04	
	- Neurosurgery	03	
	- Urology	04	
	- Surgical Oncology	02	
	- Surgical Gastroenterology	01	
	Fellowship Certificate Courses		
	- Surgical Gastroenterology	03	1
	- Cardiac Anaesthesia	02	

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Faculty	Courses	No. of seats	Duration (Yrs)
	<ul style="list-style-type: none"> - Neuro Anaesthesia - Critical Care - Nephrology - CT Surgery 	02 02 02 02	1
	N.C. Gupta Pulmonary Fellow	01	6 months
	Certificate Courses for Medical Graduates <ul style="list-style-type: none"> - Emergency Medicine - Basics of Dialysis Management 	04 02	1
Ph.D	Ph.D 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 availability of vacancies	3-5
Nursing	B.Sc. Nursing M.Sc. Nursing Post Basic Diploma in Nursing <ul style="list-style-type: none"> - Cardiac Intensive Care and Catheterization Laboratory Nursing - Cardiothoracic Surgery - Peritoneal Dialysis - Hemo Dialysis - Renal Transplantation 	100 30 05 05 02 02 02	4 2 1
Physiotherapy	BPT MPT	50 15	4 ½ 2
Allied health sciences	BSc Paramedical <ul style="list-style-type: none"> - 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) - Radiotherapy Technology (RT) 	20 12 04 09 12 02 08 02 04 04	4
	PG Degree (MSc) <ul style="list-style-type: none"> - Echocardiography - Cardiac Catheterization Intervention Technology - Dialysis Technology PG Diploma <ul style="list-style-type: none"> - Medical Records Science 	01 01 02 08	2
Life Sciences	MSc <ul style="list-style-type: none"> - Biotechnology - Bioinformatics 	15 15	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 Six successful years with intake of 150 students each year and now the college is in the 7th year with an intake of 175 students from 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. The first batch MBBS students were awarded degrees during the convocation of SVIMS University held on 29.02.2020 at S.V.University auditorium on successful completion of their MBBS course in SVIMS-SPMCW, Tirupati

Sri Padmavathi Medical College Hospital: The newly constructed Sri Padmavathi Medical College hospital developed by APMSIDC with an estimated cost of Rs.98.86 Crores with 650 bed strength 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 General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Ophthalmology, E.N.T, Dermatology, Dental Surgery, TB & Chest diseases and Psychiatry are presently being run in the new hospital building.

Girls Hostel: The newly constructed MBBS girl's hostel was constructed with an amount of 16.4 Crores and inaugurated by Hon'ble Vice-President of India, Sri M. Venkaiah Naidu on 07-08-2017. It has 144 rooms (72 rooms single occupancy and 72 rooms triple occupancy) with supporting facilities.

College council: The college council was constituted comprising the heads 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 and clinico pathological meetings, periodical research review in the institution regularly.

The College Council meetings for the year 2020 were held on the following dates with regard to the following subjects: 13th January, 2020 – Discussed about formation of College Development Society; 12th March, 2020 - Students teaching schedules, internal assessment marks, issue of certificates to the first batch MBBS (2014-15), Hostel issues and conducting of Medical camps.

- Due to COVID-19 crisis, this year (2020) regular activities were not carried out, the theory classes were conducted for all the MBBS batches through online only and the students were drafted/scheduled by Group/batch wise towards practical classes/clinical exposure.

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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 V. Suresh Controller of Examinations	Member
5.	Dr K.V. Sreedhar Babu, Professor & Head of Transfusion Medicine - Registrar, SVIMS	Member from Library Committee
6.	Dr V.Vanajakshamma Professor ,Dept. of Cardiology & Chief Warden, SPMCW	Member

Anti ragging Committee: The Anti ragging committee was constituted as per guide lines of Supreme Court of India, MCI(now NMC) and UGC norms.

Anti-ragging Committee members are as follows:

S. No.	Name of the Officers Faculty	Designation	Phone/ 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

Anti Ragging Committee as Per UGC

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

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Curriculum committee:

This committee is constituted as per the MCI guidelines with the specialists from the following fields as members for implementation of Attitude, Ethics & Communication competencies (AETCOM 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 Chowhan, Assoc. Prof, Dept. of Pathology
Clinical Medicine & Allied specialties	Dr. Alladi Mohan, Prof. (Sr. Grade) & HOD, Dept. of Medicine
Clinical surgery & Allied specialities	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 grasp on the specific topic.

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(2020) - 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 Sharvani - Member
Associate Professor of Physiology

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

The Medical Education Unit activities for the year 2020 as follows:

1. The Medical Education Unit (MEU) conducted Curriculum Implementation Support Programme (CISP-II) for 2 days from 28th Sep 2020 to 29th Sep 2020.
2. Orientation Programme for 2015-16 batch (supplementary 23 students) was held on 12.10.2020.
3. To incorporate the new CBME based curriculum, 2nd Board of studies for 1st MBBS was conducted on 29.06.2020.

Students Awards and achievements:

1. 2017-18 batch student, Hasya singamsetty got selected to participation in Anatomy Pedagogy competition, Inter-Collegiate Academic Competitions 98th Foundation Day of AMC- 19th July, 2020. Dr. P.V. Sudhakar, Principal, Andhra Medical College.
2. 2017-18 batch student, Hasya singamsetty got selected for participation in Pathology Quiz competition, Inter-Collegiate Academic Competitions 98th Foundation Day of AMC- 19th July, 2020. Dr. P.V. Sudhakar, Principal, Andhra Medical College.

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3. 2017-18 batch student, Shaistha Nayyar got selected for participation in India's biggest virtual talent hunt for medicos "AAPI-MEDICOS GOT TALENT" From 19th JUNE to 25th June. Shubham Anand, Organizing chairman, Medicos got talent.
4. 2017-18 batch student, Bommadi Bhavya got selected for participation in "IMUN ONLINE CONFERENCE 25.0" From October 3rd to 4th 2020, Mohneesh Bhardwaj, Executive Chairman.
5. 2017-18 batch student, Haysa Singamsetty participated in online edition of Brazilian International Congress of Medical Students, July 10th and 11th contributing with great honor to the largest international congress of medical students in latin America, made by Federal University of Sao Paulo, that took place on the 10th and 11th of July of 2020. Beatriz Brito, Chief of Public Relations Braincoms 2020.
6. 2017-18 batch student, Haysa Singamsetty participated in TYPE 2 MAYER-ROKITANSKY – KUSTER—HAUSER SYNDROME WITH OVARY IN INGUINAL CANAL in the Poster Presentation Competition for Undergraduates during the Annual International Conference of Gurukul of Surgical Disciplines, Gurukulcon-2020, organised online in collaboration with the American college of Surgeons India chapter. 09th-13th December 2020, Dr. Sukriti Rastogi, Joint Organising Secretary, Surgery Clinics & Master Classes.
7. 2017-18 batch student, Haysa Singamsetty from SVIMS-SPMCW has participated in Indicia 2020- A National Level Online Quiz in Forensic Medicine and Toxicology conducted by Dr. S. Maruthu Thurai, Dean, Thanjavur Medical College, Thanjavur.
8. 2017-18 batch student, Haysa Singamsetty Participated in U-DEBATE COMPETITION on "Is bollywood and Indian TV industry affecting minority rights in a negative way?" Organised by PRESOG-DELHI, PRESOG, certificate of participation.
9. 2017-18 batch student, Nikita Ravva Certificate of Appreciation was Presented for successfully completing suture practicum and Surgery Skills Workshop Organized under ACADEMIA-Virtual Academic Week held from 21st to 23rd August, 2020. WEBMEDQUEST.
10. 2017-18 batch student, Bommadi Bhavya has participated in online writing competition conducted during COVID-19 Lockdown by NMO Andhra Pradesh 12th July, 2020. National Medicos Organization South Zone.
11. 2017-18 batch student, M. Shaistha Nayyar participated in the event CRACK THE MEDICODE on 6th September, 2020 by SOUTH INDIAN MEDICAL STUDENTS ASSOCIATION.
12. 2017-18 batch student, Nikita Ravva for participated in Asterion 2020- The Academic fest of Kasturba Medical College Held on 13-16th August 2020.
13. 2017-18 batch student, Yuvakeerthana has participated in PULMONOQUEST, a National level online intercollegiate quiz on Respiratory system hosted by GMKMC Salem at Government Mohan Kumaramangalam Medical College, Salem.
14. 2017-18 batch student, R. Yuvakeerthana has participated in the preliminary round of THE MEDICAL CONCLAVE in e-AEGIS 2020, the 6th Annual Edition of Gandhi's Intermedical Symposium, Gandhi Medical College. Telangana.
15. 2017-18 batch student, Haysa singamsetty has been awarded the fifth prize in the Poster Presentation competition for Undergraduates during the Annual International Conference of Gurukul of Surgical Disciplines, Gurukulcon-2020, organised online in collaboration with the American College of Surgeons India Chapter.
16. 2019-20 batch student, Gauri Lekshmi M., received first prize for Elocution competition on "Anemia Free India: Your strategies to Manifest this Dream" held at MBBS hostel, SVIMS-SPMCW in Jan 2020.
17. 2019-20 batch students, Gauri Lekshmi M. and Nikita Gidwani participated in Table Tennis (Girls) held by SVIMS for UNIFES and won first prize.

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MBBS ADMISSIONS during the Academic Year 2020-21

MBBS Admissions during the year 2020-21 (Female) category wise details :

Sl. No.	Course	Intake	OC (incl. EWS)	BC	SC	ST	PHC	Minority	NRI/NRI * sponsored	Total
1.	MBBS	175	50	60	25	9	1	7	23	175

* Admission is under process

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 2020, an amount of 43,10,560/- was released to the beneficiaries as detailed below:

S. No.	Student Category	No. of students benefited	Amount sanctioned
01.	SC	36	9,14,000
02.	ST	9	18,800
03.	BC	87	26,35,634
04.	EBC (OC)	99	33,600
05.	Minority	17	7,08,526
	TOTAL	248	43,10,560

Stipend paid to Internees:

MBBS students after completion of their MBBS course had to undergo compulsory internship for 1 year period. During the calendar year 2020, an amount of Rs. 2,88,11,107/- was paid to internees of SVIMS-SPMCW towards monthly stipend.

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 100 and MSc (N) is 30 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 50 and MPT is 15 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.



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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 15 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 15 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/NMC

MCI inspections were held for the following academic programmes:

S.No.	Name of the course	Purpose	Date	Result
1.	Biochemistry	Renewal of Recognition	24.06.2020	Recognized
2.	Anaesthesia	Recognition	25.06.2020	Awaited
3.	Nuclear Medicine	Recognition	26.06.2020	Awaited
4.	Medicine	Recognition	26.06.2020	Awaited
5.	Radiotherapy	Recognition	29.03.2020	Recognized
6.	Radiology	Recognition	30.06.2020	Awaited

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1.7 Student enrollment for the academic year 2020-21

Admission procedure

MBBS course: The 7th batches (2020-21) 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 43 seats in 11 broad specialities, admissions are made for 50% of seats through All India quota 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 3655 applications for various courses and admissions were made on the basis of the marks secured in the qualifying examination except Ph.D, M.Sc Nursing, MPT & other M.Sc courses which were based on merit in the Entrance test conducted by SVIMS.

The academic calendar started in December, 2020 for all the courses except PG Medical (MD) courses in August 2020, MBBS in February 2021.

For the academic year 2020-21, 545 students were admitted against 590 seats offered in various academic programmes with enrollment of 92.37%. The details of students admitted in each course is as follows:

1.7.1 Modern Medicine

S. No.	Course	Intake	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	-	65	-	65	-	28	-	9	-	1	-	7	-	175	175
2	PG courses	43	5	10	5	13	4	2	1	1	-	-	-	-	15	26	41
	Anaesthesiology	09	-	3	-	4	1	1	-	-	-	-	-	-	1	8	09
	Biochemistry	01	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1
	Microbiology	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	Medicine	09	2	4	1	1	1	-	-	-	-	-	-	-	4	5	9
	Pathology	02	-	-	-	1	-	-	-	1	-	-	-	-	-	2	2
	Transfusion Medicine	01	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1
	Radiotherapy	03	-	-	-	2	-	1	-	-	-	-	-	-	-	3	3
	Radio-diagnosis	07	-	2	-	4	1	-	-	-	-	-	-	-	1	6	7
	Nuclear Medicine	04	-	1	1	-	-	-	-	-	-	-	-	-	1	1	2
	Emergency Medicine	02	-	-	-	1	1	-	-	-	-	-	-	-	1	1	2
	General Surgery	04	2	-	1	-	-	-	1	-	-	-	-	-	4	-	4
3	DM courses	13	6	2	4	-	-	1	-	-	-	-	-	-	10	3	13
	Cardiology	04	2	-	2	-	-	-	-	-	-	-	-	-	4	-	4
	Neurology	03	1	1	1	-	-	-	-	-	-	-	-	-	2	1	3
	Nephrology	02	-	-	1	-	-	1	-	-	-	-	-	-	1	1	2
	Endocrinology	02	1	1	-	-	-	-	-	-	-	-	-	-	1	1	2
	Medical Oncology	02	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2

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S. No.	Course	Intake	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	
4	MCh courses	14	7	-	1	1	1	-	-	-	-	-	-	-	9	1	10
	Cardiothoracic Surgery	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neurosurgery	03	2	-	1	-	-	-	-	-	-	-	-	-	3	-	3
	Urology	04	3	-	-	-	1	-	-	-	-	-	-	-	4	-	4
	Surgical Oncology	02	1	-	-	1	-	-	-	-	-	-	-	-	1	1	2
	Surgical GE	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
5	Fellowship Certificate courses	07	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	Surgical GE	05	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	Head & Neck Oncology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Endocrinology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N.C Gupta Pulmonary Fellow	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Certificate course for Medical graduates - Emergency Medicine	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Students:		257	19	77	10	79	5	31	1	10	-	1	-	7	35	205	240

1.7.2. Ph.D Programmes

S. No.	Course	Intake	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	03	-	1	1	1	-	-	-	-	-	-	-	-	1	2	03
	Cardiology	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	01
	Physiotherapy	02	-	1	1	-	-	-	-	-	-	-	-	-	1	1	02
	Total students:	03	-	1	1	1	-	-	-	-	-	-	-	-	1	2	03

1.7.3. Life sciences, paramedical and allied health sciences courses

S. No.	Course	Intake	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)	100	2	14	11	36	1	23	4	4	-	-	1	4	19	81	100
9	BPT	50	4	4	6	13	5	10	2	2	-	1	1	2	18	32	50
10	BSc (Para medical)	77	1	14	9	23	3	12	7	2	-	-	2	4	22	55	77
	AT	12	-	-	2	5	-	1	4	-	-	-	-	-	6	6	12
	MLT	20	1	3	2	7	-	3	1	1	-	-	2	-	6	14	20
	CVT	08	-	3	-	1	1	1	-	1	-	-	-	1	1	7	08
	NPT	04	-	1	1	1	-	1	-	-	-	-	-	-	1	3	04
	RIT	09	-	3	-	1	2	1	1	-	-	-	-	1	3	6	09
	NMT	02	-	-	-	1	-	1	-	-	-	-	-	-	-	2	02
	DT	12	-	2	2	5	-	1	1	-	-	-	-	1	3	9	12
	CPPT	02	-	-	-	2	-	-	-	-	-	-	-	-	-	2	02
	EMST	04	-	-	2	-	-	2	-	-	-	-	-	-	2	2	04
	RT	04	-	2	-	-	-	1	-	-	-	-	-	1	-	4	04

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S. No.	Course	Intake	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	
11	M.Sc (N)	30	1	7	-	5	2	3	-	1	-	-	-	-	3	16	19
12	MPT	15	-	3	-	7	-	3	-	1	-	-	1	-	1	14	15
13	M.Sc.,	34	-	10	-	8	2	3	-	-	-	-	-	1	2	22	24
	Biotechnology	15	-	5	-	5	1	3	-	-	-	-	-	1	1	14	15
	Bioinformatics	15	-	3	-	3	1	-	-	-	-	-	-	-	1	6	7
	Echocardiography	01	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
	Cardiac Catheterization Intervention Technology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dialysis Technology	02	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
14	Post Basic Diploma in Nursing	16	-	-	4	4	-	4	-	1	-	-	-	1	4	10	14
	Cardiac Intensive Care & Catheterization Laboratory	05	-	-	1	2	-	2	-	-	-	-	-	-	1	4	5
	Cardiothoracic surgery	05	-	-	1	-	-	2	-	1	-	-	-	1	1	4	5
	Peritoneal Dialysis	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hemo Dialysis	02	-	-	-	2	-	-	-	-	-	-	-	-	-	2	2
	Renal Transplantation	02	-	-	2	-	-	-	-	-	-	-	-	-	2	-	2
15	PG Dip. in Para medical courses	08	-	1	-	-	-	2	-	-	-	-	-	-	-	3	3
	Medical Records Science	08	-	1	-	-	-	2	-	-	-	-	-	-	-	3	3
	Total Students:	330	8	53	30	96	13	60	13	11	-	1	5	12	69	233	302
	GRAND TOTAL (1+2+3)	590	27	131	41	176	18	91	14	21	-	2	5	19	105	440	545

1.8 Scholarships

The eligible students belonging to SC/ST/ BC/EBC/KAPU and Minority categories were sanctioned scholarships from the Government through respective welfare authorities. For the academic year 2019-20, an amount of 1,93,98,640/-- was released to the beneficiaries as detailed below:

S. No.	Student Category	No. of students benefited	Amount sanctioned ()
01.	SC	136	29,88,780.00
02.	ST	40	21,40,104.00
03.	BC	288	54,41,688.00
04.	EBC	76	43,59,065.00
05.	KAPU	35	32,18,956.00
06.	Minority	48	12,50,047.00
	TOTAL	623	1,93,98,640.00

For the year 2019-20, 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, KAPU & 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.

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1.9 Hostels

List of Wardens

1.	Dr. K. Nagaraj	Professor & Head, Department of Community Medicine	Chief Warden (PG Hostel)
2.	Dr V. Vanajakshamma	Professor, Department of Cardiology	Chief Warden (UG Hostel)
3.	Dr Arpana Bhide	Associate Professor, Department of Physiology	Deputy Warden
4.	Dr V.S.Kiranmayi	Associate Professor, Department of Biochemistry	Deputy Warden
5.	Dr Anju Verma	Assistant Professor, Department of Microbiology	Deputy Warden

List of Matrons

- | | | | |
|----|---------------------|----|-------------------------|
| 1. | Mrs. K. Sumalatha | 5. | Mrs. K. Malini |
| 2. | Mrs. A. Chandrakala | 6. | Mr. L. Parandhama Naidu |
| 3. | Ms. K. Divya Teja | 7. | Mr. A.S.N. Hari |
| 4. | Mrs. G. Prasanna | | |

Total number of students accommodated in the hostel =730

Events conducted in the hostel.

Academic

1. An elocution competition was conducted on 04-01-2020 for 2018 batch MBBS students on the topic ***“Women atrocities-causes and remedies”***. The competition was conducted under the guidance of Dr V.Vanajakshamma and judged by Dr V.Vanajakshamma, Dr N.Sharvani (Assistant Dean, Student Affairs) and Dr V.S.Kiranmayi.
2. An elocution competition was conducted on 24-01-2020 for 2019 batch MBBS students on the topic ***“Anaemia free India- your strategies to manifest this dream”***. The competition was conducted under the guidance of Dr V.Vanajakshamma and judged by Dr Sunitha (Associate Professor, Department of Obstetrics and Gynaecology, SVRRGGH and Secretary, Women’s wing of IMA, Tirupati; Secretary TOGS,Tirupati), Dr N.Sharvani and Dr V.S.Kiranmayi.
3. An elocution competition was conducted on 25-02-2020 for the first batch of Internees of SVIMS, SPMC(W) (2014 batch MBBS) on the topic ***“Tips to boost work life balance”***. The event was conducted under the guidance of Dr V.Vanajakshamma and was judged by Mrs Komala (Clinical psychologist), Dr N.Sharvani and Dr V.S.Kiranmayi.
4. On occasion of International Women’s day celebrated on March 8th of every year worldwide, an elocution competition was conducted for students from all the batches of MBBS on 6th March 2020 on the topic ***“Diverse presentation of women in today’s world – your view”***. The event was organised and coordinated by Chief Warden, Dr V.Vanajakshamma. The competition was judged by Dr N.Sharvani (Asst. Dean, Student Affairs) and Dr V.S.Kiranmayi.
5. As part of Women’s day celebrations, a quiz competition was held on 7th March 2020 on the topic ***“Eminent women of the society”*** for students from all the batches of MBBS. The competition was coordinated by Dr V.Vanajakshamma, Dr N.Sharvani and Dr Anju Verma and Dr V.S.Kiranmayi. The questions for the quiz were compiled by Dr M.M. Suchitra, Dr K. Vijaya Chandra Reddy and Dr V.S. Kiranmayi.

Cultural

1. On the occasion of International Women’s day, celebrated on 8th March of every year worldwide, solo and group singing competition was held on 5th March 2020. The theme of the competition was ***“Women Empowerment,”*** and the program included active participation of students from all batches of MBBS. The competition was conducted under the guidance of Dr V.Vanajakshamma, Dr N.Sharvani,

and Dr Arpana Bhide. The program was judged by Mrs Varalakshmi and Mrs Naga Prasuna.

Yoga, meditation, and walking

1. A walkathon was organized for the hostel students on 8th March 2020 from 06:00 am to 09:00 am from SPMCW hostel to Divyaramam. A total of 10 Km distance was covered. A total of 33 hostel students and four faculty members, including Dr V.Vanajakshamma, Dr N. Sharvani, Dr V.S.Kiranmayi and matron Mrs A.Chandrakala participated in the event.
2. During the walkathon, a meditation session was conducted at Divyaramam by Dr V.Vanajakshamma. All the students, faculty, and matron participated in the meditation.
3. Meditation was conducted at Sri Padmavati Auditorium, SVIMS, on 8th March, 2020, for all the participants who gathered for the International Women's day celebrations.

Recreational activities

1. Students of 2018 batch were taken for a picnic to Queensland in Chennai on 5th January 2020. Dr V.Vanajakshamma, Dr Usha Kalawat, Dr Anju Varma, Dr V.S.Kiranmayi and Mrs K. Sumalatha accompanied the students during their visit.
2. A picnic was organised for the internees (2014 batch MBBS students) to Mahabalipuram in the month of January. The students were accompanied by Dr V.Vanajakshamma and Miss Divya teja.
3. The internees (2014 batch MBBS students) were taken to Tirumala in the month of January for Darshan of Lord Venkateswara. They were accompanied by Dr V.Vanajakshamma and Mrs Sumalatha.

Regular meditation sessions, classical dance, classical music, elocution, yoga, and Bhagavad Gita were conducted in the hostel for students until March, 2020. Yoga sessions were conducted every day at 5:00 am by Dr V.Vanajakshamma. Classical dance and music sessions were conducted three days in a week. Meditation sessions were conducted every Sunday at 9:00 am. Elocution competitions were conducted once in a month. Bhagavad Gita classes were conducted twice in a month.

Prizes and Awards

1. Ms Sindhu V and Ms Anjana N of 2018 batch shared the 1st prize in the elocution competition held on 4th January 2020 on the topic "***Women atrocities-causes and remedies***".
2. Ms Prashanthi Sharma and Ms Pulkit of 2018 batch won 2nd prize in the elocution competition held on 4th January 2020 on the topic "***Women atrocities-causes and remedies***".
3. Ms Hindu Prashanthi of 2018 batch won 3rd prize in the elocution competition held on 4th January 2020 on the topic "***Women atrocities-causes and remedies***".
4. Ms Gauri Lekshmi of 2019 batch won the 1st prize in the elocution competition held on 24th January 2020 on the topic "***Anaemia free India- your strategies to manifest this dream***".
5. Ms J. Yasaswi of 2019 batch won the 2nd prize in the elocution competition held on 24th January 2020 on the topic "***Anaemia free India- your strategies to manifest this dream***".
6. Ms M. Vamsi Priya of 2019 batch won the 3rd prize in the elocution competition held on 24th January 2020 on the topic "***Anaemia free India- your strategies to manifest this dream***".
7. Ms B Vandana, internee, won the 1st prize in the elocution competition held on 25th February 2020 on the topic "***Tips to boost work life balance***".
8. Ms Sreeja, internee, won the 2nd prize in the elocution competition held on 25th February 2020 on the topic "***Tips to boost work life balance***".
9. Ms Kavitha Krishna and Ms T. Ravali, internees, shared the 3rd prize in the elocution competition held on 25th February 2020 on the topic "***Tips to boost work life balance***".
10. Ms Leena Sanju of 2019 batch won 1st prize in the elocution competition held on the occasion of Women's day on 6th March, 2020 on the topic "***Diverse presentation of women in today's world – your view***".
11. Ms J. Yasaswi of 2019 batch won 2nd prize in the elocution competition held on the occasion of Women's day on 6th March, 2020 on the topic "***Diverse presentation of women in today's world – your view***".

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12. Ms Anukrati Agarwal of 2018 batch won 3rd prize in the elocution competition held on the occasion of Women's day on 6th March, 2020 on the topic ***"Diverse presentation of women in today's world – your view"***.
13. Ms M. Shaistha of 2017 batch won 1st prize in the singing competition held on the occasion of Women's day on 5th March, 2020.
14. Ms P. Gayathri of 2016 batch and Ms K. Aruna of 2017 batch shared 2nd prize in the singing competition held on the occasion of Women's day on 5th March, 2020.
15. Ms N. Gayathri and Ms N.L. Sanjana of 2017 batch won the 3rd prize in the singing competition held on the occasion of Women's day on 5th March, 2020.
16. Ms Pavani, Ms Alia and Ms Noshitha of 2017 batch won the 1st prize in the quiz competition conducted on the occasion of Women's day on 7th March, 2020.
17. Ms Sreeja, Ms Gayathri R and Ms Swathi of 2016 batch won the 2nd prize in the quiz competition conducted on the occasion of Women's day on 7th March, 2020.
18. Ms Preethi Krishna, Ms M Vaishnavi and Ms Sanjana of 2017 batch won the 3rd prize in the quiz competition conducted on the occasion of Women's day on 7th March, 2020.

List of students participated in various events conducted:

Elocution competition

Topic: Present scenario of women atrocities- causes and remedies

	Name of the student	Batch
1.	Ms Sindhu V	2018
2.	Ms Akhila Varma	2018
3.	Ms Anjana N	2018
4.	Ms Himanshi	2018
5.	Ms Hindu Prashanthi	2018
6.	Ms M Pavithra	2018
7.	Ms K Prasanna	2018
8.	Ms. Prashanthi Sharma	2018
9.	Ms Pulkrit	2018
10.	Ms Varnitha	2018

Topic: Anaemia free India- your strategies to manifest this dream

	Name of the student	Batch
1.	Ms Y Yogitha	2019
2.	Ms Charvi Sharma	2019
3.	Ms S. Rizwana Begum	2019
4.	Ms K. Yamini	2019
5.	Ms M. Vamsi Priya	2019
6.	Ms Gauri Lekshmi	2019
7.	Ms P. Poojitha	2019
8.	Ms. J. Yasaawi	2019
9.	Ms G. Kavya	2019
10.	Ms Y. Ramya Teja	2019

Topic: Tips to boost work life balance

	Name of the student	Batch
1.	Ms B Vandana	2014
2.	Ms Kavitha Krishna	2014
3.	Ms Maheesa Sai	2014
4.	Ms Neha	2014
5.	Ms Sreeja	2014
6.	Ms D. Sravanthi	2014
7.	Ms T. Ravali	2014

Topic: Diverse presentation of women in today's world – your view

	Name of the student	Batch
1.	Ms K. Bhavana	2016
2.	Ms B. Nashitha	2017
3.	Ms M. Preethi Krishna	2017
4.	Ms Anukrati Agarwal	2018
5.	Ms N.L.Sanjana	2017
6.	Ms Y.Ramya Teja	2019
7.	Ms Leena Sanju	2019
8.	Ms. J. Yasaawi	2019

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Quiz competition

Name of the student	Batch
Ms Pavani, Ms Alia & Ms Noshitha	2017
Ms Sreeja, Ms Gayatri R & Ms Swathi	2016
Ms Preethi Krishna, Ms M.Vaishnavi & Ms Sanjana	2017
Ms Udhiti, Ms Yamini & Ms Kavya	2019
Ms Gauri, Ms Bhargavi & Ms Jyothrimayee	2019
Ms Nazreen, Ms Niharika & Ms Anusha	2017
Ms G.Leena Sanju, Ms Hemalakshmi & Ms Madhulitha M	2019
Ms Bhoomika, Ms Darshini & Ms Bhavani	2019

Singing competition

Name of the student	Batch
1 Ms P. Gayathri	2016
2 Ms M. Shaistha	2017
3 Ms K.Aruna	2017
4 Ms N. Gayathri	2017
5 Ms N.L.Sanjana	2017
6 Ms B. Bhavana	2017
7 Ms C.H. Hema Deepthi	2017
8 Ms.Bindu and Ms Bhavya	2017
9 Ms Vennela	2017
10 Ms Mounika	2019
11 Ms Y. Ramya Teja	2019

The University provides hostel facility for boys, girls and resident doctors. The accommodation available and occupied for the year 2020 is furnished below:

Sl. No.	Name of the Hostel Block	No. of Rooms	
		Total	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 2020 is furnished below:

Sl. No.	Name of the Hostel Block	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(SVIMS) (3 blocks of 12 each)	36	36
7	Nursing/ Non-Teaching staff Quarters(BIRRD) (2 blocks)	12	10
	Total:	111	109

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2.0 Examination Activities

The Examination Section makes all the arrangements necessary for holding examinations and timely declaration of results. During 2019-20 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 2019-20 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, 2020	June to Dec, 2020	Jan/Feb, 2020	June to Dec, 2020	Jan/Feb, 2020	June to Dec, 2020
Medical PG Courses:						
D.M./M.Ch	-	22	-	22	-	100
M.D.	-	36	-	36	-	100
Medical UG Courses						
3rd (Final) MBBS – II	150	23	128	23	85.3	100
Post Graduate Course: (MPT, M.Sc. Nursing, M.Sc. AHS, M.Sc. Life Sciences)						
Master of Physiotherapy	-	15	-	15	-	100
M.Sc. Nursing	-	30	-	30	-	100
M.Sc. Medical	-	10	-	10	-	100
M.Sc. Biotechnology & Bioinformatics	-	17	-	17	-	100
M.Sc. Echocardiography	-	01	-	01	-	100
Under Graduate Courses: (BPT, B.Sc. Nursing, B.Sc. AHS)						
Bachelor of Physiotherapy	3	48	2	47	66.7	97.9
B.Sc. Nursing	-	93	-	93	-	100
B.Sc. Paramedical Technical courses	2	61	2	61	100	100
P.G.Diploma/Diploma/Certificate courses:						
Post Basic Diploma in nursing	-	15	-	15	-	100
Diploma in Radiotherapy Technology	-	04	-	04	-	100

2.2 Best outgoing students (2019-20)

Course Name	Name of the student
D.M.	Dr. Vandana Setti Santhosh, D.M. Medical Oncology
M.Ch.	Dr. Thushar Sharma, M.Ch. Genito Urinary Surgery
M.D. (over all)	Dr. K.Navakiran Reddy, M.D. Emergency Medicine
M.D. Medicine	Dr.Vasili Pradeep
M.B.B.S.	Ms. Owk Esther
M.Sc. Nursing	Ms.T. Rajeswari

Course Name	Name of the student
M.P.T.	Ms.M. Sahithya
M.Sc. Medical	Ms. KNT. Durga
M.Sc. Biotechnology	Ms.Y.Swetha
M.Sc. Bioinformatics	Ms.P. Jyothirmayee
B.Sc. Nursing	Ms.P.Sandhya
B.P.T.	Ms.M.Sai Rishita
B.Sc. Paramedical	
Technical courses	Ms.D.Tejevathi

Merit certificates will be awarded to the above toppers in the next convocation.

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2.3 Medals awarded

The list of toppers to be awarded with medals in the next (11th) convocation;

1. **Dr.Nyapathi Ramachandra Rao Gold Medal:** Dr. Vasili Pradeep, M.D. Medicine-Topper in Medicine
2. **Dr G.Subramanyam & Dr Sunitha Subramanyam Medal:**
 - Dr. K.Navakiran Reddy, M.D. Emergency Medicine - First among the students of all M.D. courses
 - Dr. Vandana Setti Santhosh, D.M. Medical Oncology- First among the students of all D.M. courses
 - Dr. Thushar Sharma, M.Ch. Genito Urinary Surgery - First among the students of all M.Ch. courses
 - Mr. P.Sandhya - Topper in B.Sc. Nursing
- Ms. M.Sai Rishita -Topper in Bachelor of Physiotherapy– 2019
3. **Late Dr.P.Subrahmanyam, IAS Medal :** Mr. P. Jyothirmayee, M.Sc. Bioinformatics- First among the students of Life Sciences
4. **Faculty, College of Physiotherapy Medal :** Mr. M. Sahithya - Topper in Master of Physiotherapy
5. **Komal Reddy Foundation Trust Medal :**
 - Mr. T. Rajeswari - Topper in M.Sc. Nursing
 - Mr. Ms.D.Tejevathi, B.Sc. ECG & CVT - Topper in B.Sc. AHS courses
6. **Late Sri Nara Sreenivasulu Nadiu and Smt. Nara Nagamma” Medal :**
 - Topper in M.B.B.S.: Ms. Owk Esther-First among the students of M.B.B.S.

2.4 Entrance Examinations

Sl. No	Name of the course	Date of Examination	No. of candidates appeared
1	Ph.D. Programme	09.11.2020	08
2	M.Sc. Nursing	31.10.2020	41
3	Master of Physiotherapy	31.10.2020	49
4	M.Sc./P.G. Diploma in Paramedical Courses	31.10.2020	32

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 adopted 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.

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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 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 2020, 21 camps have been conducted and screened 2399 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 Director-cum-Vice Chancellor Dr. B. Vengamma inaugurated PINK BUS Cancer Screening camp conducted by SVIMS at Shilparamam, Tirupati Rural Mandal of Chittoor District on 02.02.2020 by lighting the lamp.



SVIMS conducted PINK BUS Cancer Screening camp on 05.01.2020 at KBR Village, Puttur 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.



SVIMS conducted PINK BUS Cancer Screening Camp on 04.03.2020. G. Muniratnam, RASS President and Dr. B. Vengamma, Director-cum-VC, SVIMS lighting the lamp to mark the inauguration of Cancer Awareness Programme at RASS Office, Tirupati



4.0 Recognitions for SVIMS contributions

4.1 Awards

1. **Prof B. Vengamma**, Senior Professor & HoD, Dept. of Neurology was awarded *Heartful Professor Award* from Heartfulness Education trust, Kanha santhivanam India on 13th January 2021.
2. **Dr V. Vanajakshamma**, Professor, Dept. of Cardiology was received *Meritorious service award* from District Collector of Chittoor on the eve of Republic day celebrations held at Chittoor Collectorate on 26th January 2020.
3. **Prof. Abha Chandra**, Professor & HoD, Dept. of CT Surgery, has been received
 - *Awarded the Certificate of Excellence in Reviewing in recognition of an outstanding contribution to quality of the Journal (Asian Journal of Case reports in Medicine and Health).*
 - *Bestowed with the “Best Reviewer” award for the Indian Journal of Thoracic and Cardiovascular Surgery for the year 2020.*
4. **Dr K.Nagaraj**, Professor & Head has received as member of *Technical committee appointed by Government of Andhra Pradesh* to study and analyse CLIA results as part of sero- surveillance of covid-19 in Andhra Pradesh.
5. **Dr A.Y.Lakshmi**, Professor & HoD, Dept. of Radiology was awarded *Certificate of appreciation and Honour* by Indian Radiological and Imaging Association on 5th September 2020.
6. **Dr Ramesh Chandra VV**, Professor & HoD, Dept. of Neurosurgery secured *Best Poster award* for poster presentation in National symposium on Biomedical Innovations and small business opportunities in Innovations in Medical devices category during 22-23 January at Tirupati.
7. **Dr Aparna R.Bitla**, Professor and Head, Dept. of Biochemistry was received the *Dr Subhashini Yaturu Gold medal* for the research work titled on “Association of single nucleotide polymorphisms of adiponectin and leptin genes with breast cancer” On the eve of Annual day celebrations of SVIMS, Tirupati on 26th February 2020.
8. **Dr K.V.Sreedhar Babu**, Professor & Head, Dept. of Transfusion Medicine was awarded *“Appreciation Certificate”* from the District Collector, Chittoor during 71st Republic Day celebrations on 26th January 2020 as a recognition for his excellent services.
9. **Dr Usha Kalawat**, Professor & PI, Dept. of Microbiology, was received
 - *Corona warrior award* from Indian Medical Association, Tirupati on 2nd October 2020.
 - Best service against *Corona awarded* by Andhra Pradesh Government on 15-8-2020 at Vijayawada.
10. **Dr Anju D Ade**, Professor, Dept. of Community Medicine, has received *Dr APJ Abdul Kalam Eminent Professor award* at Tirupati on 15th October 2020.
11. **Dr A. Padmaja**, Professor, College of Nursing was received
 - *International Achieves Award* for her outstanding contribution and praise worthy achievements in the Field of Education at an International Conference on “Global Friendship day conferred at DUBAI (U.A.E) for the year 2020.
 - *National Florence Nightingale Award 2020*, Hon’ble President of India will be conferring the award at New Delhi.
12. **Dr Silpa T**, Assistant Professor, Dept. of Biochemistry, won *First Prize* for poster presentation on “Association of the bone isoform of Alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus” in 3rd State Chapter conference of Association of Medical Biochemists of India, AP AMBICON 2020 on virtual platform at Tirupati, during 29-30 December 2020.
13. **Dr Chandrasekhar Valleppalli**, Assistant Professor, Dept. of Community Medicine was
 - Awarded the certificate from **ICMR-NIE, Chennai** for successfully completing the course on *“Basic Course in Biomedical Research”* with a consolidated score of **95%** through NPTEL /

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Swayam portal of Ministry of HRD, Govt. of India in March to June 2020 session.

- Awarded “**WHO Scholar Level 2 certification**” on data triangulation for improved decision making in immunization programmes course conducted by the World Health Organization from March to May 2020.
- Received the “**Quiz Maker certificate**” for his contribution to National Quiz on Nutrition and Health of “1st Online National Conference on Nutrition and Health 2020” organized by the Department of Community and Family Medicine, AIIMS, Mangalagiri, Andhra Pradesh, India during 12th and 13th September, 2020.
- Awarded certificate with distinction “**Teach to Reach Level 1 certification**” to improve immunization training from **The Geneva Learning Foundation** organized from March to April 2020.
- Received the certificate of Achievement from NIMHANS, Bangalore for successfully completing the “**Diploma in Community Mental Health**” (DCMH) for Doctors course with a Final score of 97% through **NIMHANS Digital Academy** in September 2019 to January 2020 session.
- Shortlisted as **NPTEL Translator** for Telugu language with translator ID Tran0889 by NPTEL - A Project funded by MHRD, Govt. of India in 2020.
- Received Certificate of Appreciation from NPTEL/ SWAYAM-A Project funded by MHRD, Govt. of India for translating the files of the course ‘**TALE 2: Course Design and Instruction of Engineering course**’ (Multidisciplinary course) offered by IISC Bangalore in Telugu language on 29th August 2020.
- Received Certificate of Appreciation from NPTEL/ SWAYAM-A Project funded by MHRD, Govt. of India for reviewing the files of the course ‘**Health Research Fundamentals**’ (Multidisciplinary course) offered by ICMR – National Institute of Epidemiology, Chennai in Telugu language on 23rd August 2020.
- Proposed as one of the **Andhra Pradesh State OR interim Committee member** by Andhra Pradesh State OR Committee Chairman and was approved by Joint Director (TB) & State TB Officer, Andhra Pradesh.

14. **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 2020**.
- Successfully completed with a consolidated score of 96 percentage in Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute of Epidemiology, Chennai during March to July 2020.

15. **Dr Avinash Patil**, Assistant Professor, Dept. of Endocrinology won **first prize** in the quiz at ENDOCRINE WEEK, a virtual Endocrine conclave during 16-22 November 2020

16. **Dr K Venkat**, Assistant Professor, Dept. of Endocrinology secured **Best paper award** for platform presentation in “Neurology and Neurosurgery Award paper category” in 2nd Telangana Neurosciences annual conference TNSCON-2020, in Hyderabad, Telangana, during 7-9 March 2020.

17. **Dr Kunal Kumar**, Assistant Professor, Dept. of Neurosurgery was awarded **Best poster** for Trephine Craniotomy versus Burr Hole Drainage for Chronic Subdural Hematoma—An Institutional Analysis of 156 patients and **2nd prize** for best poster for “Retrospective analytic study of neurosurgical patients who developed post-operative hydrocephalus” at TNSCON 2020, Hyderabad on 15th June 2020.

18. **Dr G. Sunil Naik**, Assistant professor was awarded Fellowship in Clinical Nutrition by MEDVARSITY, Hyderabad on 8th January 2020

19. **Dr G. Ram Pavan Kumar**, Senior Resident, Dept. of Cardiology won Dr G. Subramanyam Gold medal for **best research paper** presentation at APCSI-2020 virtual conference for his paper titled on “Assessment of Right Ventricular Strain and Strain

- rate before and after Percutaneous Atrial Septal Defect closure” during 27-29 November 2020.
20. **Dr Sravanti B**, Senior Resident, Dept. of Surgical Gastroenterology was awarded **Best Poster** for the poster “Intra-operative peri-pancreatic fluid Amylase concentration in predicting post-operative pancreatic fistula after Pancreaticoduodenectomy” at National conference of International Hepato Pancreato Biliary Association, Indian chapter (IHPBA 2020) held at Bhubaneswar during 24-26 January 2020.
 21. **Dr S. Nagesh Kumar**, Senior Resident, Dept. of Surgical Oncology was awarded “**Best paper presentation**” at Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) 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 Hotel Fortune Grand Ridge, Tirupati during 29th February – 1st March 2020.
 22. **Dr C. Sai Praneeth**, Senior Resident, Dept. of Surgical Oncology was awarded
 - “**Best poster presentation**” at Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a poster “An unusual case report of solitary retroperitoneal extramedullary plasmacytoma” held at Hotel Fortune Grand Ridge, Tirupati during 29th February – 1st March 2020.
 - **3rd prize** in “**Dr Vyageswarudu Best Paper Award**” category at 43rd APASICON – 2020 virtual Conference for paper titled “A prospective study to analyse the pattern of axillary lymphnode metastasis individually at each level and prevalence of positive Rotter’s nodes, level III and skip metastasis in patients undergoing axillary lymphnode dissection for carcinoma breast” during 6-8 November 2020.
 23. **Dr S. Chaitanya Vani**, Senior Resident, Dept. of Surgical Oncology was awarded **2nd prize** in “**Dr Vyageswarudu Best Paper Award**” category at 43rd APASICON – 2020 virtual Conference for paper titled “A retrospective analysis of implications of lymphnode ratio and lymphnode positivity on survival in node positive women with breast cancer” during 6-8 November 2020.
 24. **Dr P. Sameera**, Junior Resident, Dept. of Anaesthesiology has received **First Prize** for poster presentation on Anaesthetic Management of traumatic Diaphragmatic hernia at ISA Karnataka Virtucon 2020 State Conference.
 25. **Dr Mohammad Arslan**, Junior Resident, Dept. of Biochemistry won the **First Prize** for oral presentation among PG presentations for the paper titled, “Effect of Rosuvastatin on Lipid indices in patients with type-2 diabetes mellitus” in 3rd state chapter conference of Association of Medical Biochemists of India, AP AMBICON 2020 held on virtual platform at Tirupati, during 29-30 December 2020.
 26. **Dr Pasala Chiranjeevi (ICMR-JRF)**, Dept. of Biochemistry was awarded his **Ph.D. degree** in Bioinformatics on the topic entitled on “Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori*”.
 27. **Dr Umakanth Naik V, Dr Sandeep S, Dr Sudheer Kumar K and Dr Umamaheswari A.** PhD Research Scholars, Dept. of Bioinformatics, Targeting RAF-MEK-ERK by novel lead through in silico approaches was presented, published and awarded as the **best poster** in the two-day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India during 22-23 January 2020.
 28. **Dr D.S.Hemalatha**, Junior Resident, Dept. of Nuclear Medicine 2018 Batch student received Dr Major General N. Lakshmi Pathi, **Best Paper award** on “Utility of ^{99m}Tc MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia” in the Virtual ANMPI conference during 2-3 October 2020.
 29. **Dr G.Sandhya**, Junior Resident, Dept. of Transfusion Medicine was awarded **third prize** for the oral paper in the CME programme on “Apheresis – An apprehension” at Tamilnadu Government Multi Specialty Hospital, Omandurar Estate, Chennai on 24th February 2020.

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4.2 Honors and key assignments

1. **National Institutional Ranking Framework (NIRF) – 2020:** Sri Venkateswara Institute of Medical Sciences got 38th rank in Medical category among top Higher Education Institution in India conducted by Ministry of Human Resource Development, Govt. of India.



2. **Dr V. Vanajakshamma**, Professor, Dept. of Medicine has received Meritorious service award and **Dr K.V.Sreedhar Babu**, Professor & Head, Dept. of Transfusion Medicine has awarded “*Appreciation Certificate*” from the District Collector, Chittoor during 71st Republic Day celebrations on 26th January 2020.



SVIMS Director-cum-Vice Chancellor appreciated the faculty and Staff who received Awards from District Collector on the occasion of 71st Republic Day held at Chittoor

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3. **Dr A. Padmaja**, Professor, College of Nursing has received *International Achieves Award* for her outstanding contribution and praise worthy achievements in the Field of Education at an International Conference on “Global Friendship day conferred at DUBAI (U.A.E) for the year 2020.



4. A 101-year-old patient successfully discharged on 25.07.2020 from SVIMS – Sri Padmavathi State COVID hospital after completion of her treatment.



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5.0 Visitors to SVIMS

1. Dr. Mohan Mallam, an Eminent Internal Medicine and Geriatric Medicine doctor of California of U.S.A. Visited SVIMS on 10.01.2020 (Friday) and giving guest lecture on the topic "Selected topics in hospice medicine (Board Review Questions) at Sri Padmavathi Auditorium, SVIMS, Tirupati. On this SVIMS Director cum Vice Chancellor Dr. B.Vengamma felicitated Dr. Mohan Mallam with Shall and Memento



2. Dr. Asokan, Consultant Radiologist, Illinois, USA presented guest lecture on the topic Point of Care Ultrasound (POCUS) at Sri Padmavathi Auditorium, SVIMS on 21.01.2020. on this occasion SVIMS Director cum Vice Chancellor Dr B.Vengamma, Director-cum-VC felicitated the guest Dr. Asokan and presented memento.



3. SVIMS Director cum Vice Chancellor Dr. B.Vengamma inaugurated the 2 days Symposium on Bio-Medical Innovations and Small Business oppertunties organised by SVIMS Sugen Life Sciences Pvt. Ltd, Tirupati on 22.01.2020. Dr S. Eswar Reddy, Joint drug controller, CDSCO, New Delhi, inaugurating symposium of Biomedical Innovation at Sri Padmavthi Auditorium, SVIMS, Tirupati



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4. Sri Y.V. Subba Reddy, Chairman, TTD visited SVIMS COVID Hospital on 17.04.2020 and suggested to provide 500 beds for SVIMS COVID Hospital.



5. Deputy Chief Minister K Narayana Swamy and District Collector Dr N Bharat Gupta on Wednesday visited SVIMS – Sri Padmavathi COVID Centre and unveiled Aarogya Sri posters on 08.07.2020. Speaking on the occasion, the Deputy Chief Minister praised the contributions of SVIMS Doctors, nurses and other para medical staff, who have been doing relentless service during this pandemic



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6. A.P. Deputy Chief Minister **Sri Alla Kali Krishna Srinivas** visited and inspected **SVIMS – Sri Padmavathi State COVID Hospital** on 06.08.2020, along with other Govt. Officials . wearing PPE suits, inspected Isolated wards and enquired about the services provided to them at SVIMS COVID hospital



7. TUDA Chairman and Chandragiri MLA **Chevireddy Bhaskar Reddy** interacting with patients on 13.08.2020 during his visit to the SVIMS, SPMC COVID Hospital in Tirupati.



8. Govt. of India, Ministry of Labour and Employment (National Board for workers Education and Development) organised awareness programme on 22.12.2020, EPF and ESI facilities for Outsourcing and Contract employees at SVIMS. Director cum Vice Chancellor **Dr. B.Vengamma** attended as a Chief Guest and distributed new ESI cards to outsourcing employees .



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9. SVIMS Director cum VC Dr. B.Vengamma and Indian Medical Association, Tirupati Chapter members jointly felicitated SVIMS V.R.D.L. Staff (Doctors, Research Scholars, Lab Technicians, Data Entry Operators and Lat staff) on 03.10.2020, on the occasion of successfully completion of 2 lakh covid tests .



10. SVIMS Director cum Vice Chancellor Dr. B.Vengamma inaugurated a special outpatient department as post COVID Care OPD for the people recovered from the clutches of COVID – 19 launched by SIDDHA Clinical Care Research Unit (Govt. of India) located in SVIMS campus on 27.11.2020



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11. TTD Chairman Sri Y.V.Subba Reddy visited SVIMS Oncology wards and interacted with Cancer Patients and assured that TTD will support to increase the Pranadanam Funds for free surgeries. On this occasion SVIMS Director cum Vice Chancellor Dr.B.Vengamma felicitated TTD Chairman Sri Y.V.Subba Reddy on 26.12.2020.



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12. A.P. Govt. newly appointed Chief Secretary Sri Adhityanadh Das, IAS and other Senior IAS officers S.S.Rawath, Karthikeya Mishra & Satyanarayana visited on 25.12.2020 to SVIMS Cardiology ICU for enquired about health condition of Sridhar IAS, M.D., A.P. Genco.



13. Dr B. Vengamma, Director-cum-VC, SVIMS welcomed Hon'ble Chief Minister of A.P. Sri Y.S. Jagan Mohan Reddy with flower boquet at Renitgunta airport on 28.12.2020 during his visit of Chittoor District.



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6.0 Activities at SVIMS

6.1 Institute day celebrations:

The 27th Anniversary day and UNIFEST celebrations of SVIMS were held on 26.02.2020. Prof. Bhaskar C. Harinath, Recipient of Dr B.C. Roy National Award-1992, Ex. Director, JBTDRC and Honorary Professor in Biochemistry & Mahatma Gandhi Institute of Medical Sciences, Sevagram, Wardha & Former member of Governing Council, SVIMS. Sri Y. Sreenivasulu Reddy, Hon'ble M.L.C., Dr Subhashini Yaturu 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 2019 and Akanksha 2020



The students of College of Physiotherapy are seen receiving overall champion trophy of UNIFEST 2020

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 2020.

1. The 12th Annual Cardiology Endowment oration was delivered by Dr.K.G. Balakrishnan, former Dean & former Professor and Head, Department of Cardiology, SCTIMST, Thiruvananthapuram, on 22nd January, 2020 on the topic “Metamorphosis of Cardiology in the past five Decades of my practice - Ring side view with recollections. The oration was organized by the Dept. of Cardiology.
2. The 11th Annual Balaji Gold Medal Nephrology Chair Oration was delivered by Dr.M. Thomas Mathew, MD, DM, FRCP, Senior Nephrologist, Former Professor and Head, Nephrology, Government Medical College, Calicut on 8th February, 2020 on the topic “Light & Darkness – The Rhythm in use”. The oration was organized by the Dept. of Nephrology.
3. The 4th Annual Surgical Oncology Chair Oration was delivered by Dr. S. Chandra Sekhar Rao, Soumya Multi Speciality Hospital, Hyderabad on 28th February 2020. on the topic “Changing Trends in the Management of Carcinoma Breast Over a Span of Three Decades- A Surgical Oncologist’s Perspective”. The oration was organized by the Dept. of Surgical Oncology.
4. The 7th Cherukuri Narasimham and Subhadra Devi Chair Oration was delivered by Dr. Vijendra Kumar Jain, Senior Director Neurosurgery & Spine Surgery, MAX Hospital, New Delhi on 9th March, 2020 on the topic “Some Advances in Neurosurgery”. The oration was organized by the Dept. of Neurosurgery
5. The 5th Annual Radiation Oncology Gold Medal Chair Oration was delivered by Dr. Dillip Kumar Parida, Professor & HOD, Department of Radiation Oncology, AIIMS, Bhubaneswar on 20th March, 2020 on the topic Is Brachytherapy Relevant in the Era of Conformal Radiotherapy”. The oration was organized by the Dept. of Radiation Oncology.



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6. The 2nd Annual Balaji Gold Medal Anaesthesiology Chair Oration was delivered by Dr. Ashok Shankarrao Badhe, Medical Superintendent, Professor, Dept. of Anesthesia & Critical Care, JIPMER, Puducherry on 16th October, 2020 on the topic “An Anaesthesiologist’s Odyssey”. The oration was organized by the Dept. of Anaesthesiology.



6.4 Academic programme calendar for the year 2021

The academic schedule proposed for the year 2021 for conduct of clinical meetings, CPC, CME, spotters presentations, capsule on investigations, quiz programs is as detailed below:

[1] SATURDAY'S CLINICAL MEETING		
Date	Research Presentation 8: 00 to 8: 45 a.m.	Spotter Presentation 8:45 to 9:00 a.m.
02/01/21	Endocrinology	OBG
09/01/21	ENT	Oncology (Surgical)
16/01/21	Forensic Medicine	Oncology (Medical)
23/01/21	GE (Surgical)	Ophthalmology
06/02/21	General Surgery	Pathology
13/02/21	Haematology	Pharmacology
20/02/21	Medicine	Psychiatry
06/03/21	Microbiology	Physiology
13/03/21	Nephrology	Paediatrics
20/03/21	Neurology	Plastic surgery
03/04/21	Neurosurgery	Radio Diagnosis
10/04/21	Nuclear Medicine	Radiotherapy
17/04/21	OBG	Rheumatology
01/05/21	Oncology (Surgical)	Transfusion Medicine
08/05/21	Oncology (Medical)	TB & RD
15/05/21	Ophthalmology	Urology
22/05/21	Pathology	Anaesthesiology
05/06/21	Pharmacology	Anatomy
12/06/21	Psychiatry	Biochemistry
19/06/21	Physiology	Cardiology
03/07/21	Paediatrics	CT Surgery
10/07/21	Plastic Surgery	Community Medicine
17/07/21	Radio Diagnosis	Dentistry
24/07/21	Radiotherapy	Dermatology
07/08/21	Rheumatology	Emergency Medicine
14/08/21	Transfusion Medicine	Endocrinology
21/08/21	TB & RD	ENT
04/09/21	Urology	Forensic Medicine

[2] THURSDAY'S CLINICAL MEETING		
Date	Research Presentation 8: 00 to 8: 45 a.m.	Spotter Presentation 8:45 to 9:00 a.m.
07/01/21	Rheumatology	Case
14/01/21	Transfusion Medicine	Topic
21/01/21	TB & RD	Case
28/01/21	Urology	Debate
04/02/21	Anaesthesiology	Case
11/02/21	Anatomy	Topic
18/02/21	Biochemistry	Topic
25/02/21	Cardiology	Case
04/03/21	CT Surgery	Case
11/03/21	Community Medicine	Topic
18/03/21	Dermatology	Case
25/03/21	Dentistry	Case
26/03/21	Emergency Medicine	Debate
01/04/21	Endocrinology	Case
08/04/21	ENT	Case
15/04/21	Forensic Medicine	Topic
22/04/21	GE (Surgical)	Case
29/04/21	General Surgery	Debate
06/05/21	Haematology	Case
13/05/21	Medicine	Case
20/05/21	Microbiology	Topic
27/05/21	Nephrology	Debate
03/06/21	Neurology	Case
10/06/21	Neurosurgery	Debate
17/06/21	Nuclear Medicine	Case
24/06/21	OBG	Case
01/07/21	Oncology (Surgical)	Case
08/07/21	Oncology (Medical)	Debate

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[1] SATURDAY'S CLINICAL MEETING

11/09/21	Anaesthesiology	GE (Surgical)
18/09/21	Anatomy	General Surgery
02/10/21	Biochemistry	Haematology
09/10/21	Cardiology	Medicine
16/10/21	CT Surgery	Microbiology
23/10/21	Community Medicine	Nephrology
06/11/21	Dentistry	Neurology
13/11/21	Dermatology	Neurosurgery
20/11/21	Emergency Medicine	Nuclear Medicine
04/12/21	Endocrinology	OBG
11/12/21	ENT	Oncology (Surgical)
18/12/21	Forensic Medicine	Oncology (Medical)
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[2] THURSDAY'S CLINICAL MEETING

15/07/21	Ophthalmology	Case
22/07/21	Pathology	Case
29/07/21	Pharmacology	Topic
05/08/21	Psychiatry	Case
12/08/21	Physiology	Topic
19/08/21	Paediatrics	Case
26/08/21	Plastic Surgery	Case
02/09/21	Radio Diagnosis	Case
09/09/21	Radiotherapy	Debate
16/09/21	Rheumatology	Case
23/09/21	Transfusion Medicine	Topic
30/09/21	TB & RD	Case
07/10/21	Urology	Case
14/10/21	Anaesthesiology	Debate
21/10/21	Anatomy	Topic
28/10/21	Biochemistry	Topic
04/11/21	Cardiology	Debate
11/11/21	CT Surgery	Case
18/11/21	Community Medicine	Topic
25/11/21	Dermatology	Case
02/12/21	Dentistry	Case
09/12/21	Emergency Medicine	Case
16/12/21	Endocrinology	Debate
23/12/21	ENT	Case
30/12/21	Forensic Medicine	Topic

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 2021 is details hereunder:

[3] CME's: First Saturday between 02: 00 & 04: 00 P.M.

02/01/21	Physiology, Pathology & Forensic medicine
06/02/21	ENT, Dentistry & Ophthalmology
06/03/21	Endocrinology, Biochemistry & Pharmacology
03/04/21	Haematology ,Emergency Medicine & Transfusion Medicine
01/05/21	Microbiology, Community Medicine & Rheumatology
05/06/21	Nephrology, Urology & OBG
03/07/21	Medical Oncology, Surgical Oncology & Radiotherapy
07/08/21	Medicine, Paediatric& TB & RD
04/09/21	Neurology, neurosurgery, Psychiatry
02/10/21	Anaesthesiology, Cardiology & CT Surgery
06/11/21	Anatomy, Surgical Gastroenterology & General Surgery
04/12/21	Nuclear Medicine & Radiology

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[4] CLINICAL PATHOLOGICAL CORRELATION (CPC)/ CLINICO RADIOLOGICAL CORRELATION (CRC)			
Last Saturday between 08:00 & 9:00 A.M. Co-ordinators: For Medical Cases :Dr Ram, Prof. & HOD, Dept. of Nephrology. For Surgical Cases: Dr V.V. Ramesh Chandra, Prof. & HOD, Dept. of Neurosurgery.			
30/01/21	Cardiology	31/07/21	Neurology
27/02/21	General surgery	28/08/21	Surgical Oncology
27/03/21	Medicine	25/09/21	Medical Oncology
24/04/21	Surgical GE	30/10/21	Urology
29/05/21	Endocrinology	27/11/21	Nephrology
26/06/21	Neurosurgery	25/12/21	Emergency Medicine
[5] QUIZ Annual Medical Quiz will be held every year in the month of February		Organizers: 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)		
1.	Dr M. Hanumantha Rao Dean and Sr. Prof. & HoD of Anaesthesia	Chairman
2.	Dr P.V.L.N. Srinivasa Rao Sr. Prof. & HoD of Biochemistry	Member
3.	Dr K.V. Sreedhara Babu Registrar	Member
4.	Dr Alladi Mohan Prof. & HoD of Medicine	Member
5.	Dr A.Y. Lakshmi Prof. & HoD of Radiology	Member
6.	Dr K. Nagaraj Professor & HoD of Community Medicine	Member
7.	Dr K. Umamaheswara Rao Controller of Examinations	Special Invitee

Super Specialties (DM/ MCh)		
	Dr M. Hanumantha Rao Dean and Sr. Prof. & HoD of Anaesthesia	Chairman
	Dr D. Rajasekhar Sr. Prof. & HoD of Cardiology	Member
	Dr Alok Sachan Prof. & HoD of Endocrinology	Member
	Dr R. Ram Prof. & HoD of Nephrology	Member
	Dr Abha Chandra Sr. Prof. & HoD of CT Surgery	Member
	Dr V. Venkatarami Reddy Prof. & HoD of Surgical GE	Member
	Dr V.V. Ramesh Chandra Prof. of Neurosurgery	Member
	Dr K. Umamaheswara Rao Controller of Examinations	Member

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The meetings for the following thesis protocols of the Post graduates admitted during 2019-20 academic year for Broad speciality (S.No. 520 to 555) were held on 21st & 23rd January, 2020 and for Super speciality (Sl.No.556 to 577) were held on 18th & 19th September 2020 and were cleared by the respective Committees.

Institutional Ethics Committee (IEC)

The committee is constituted with the following members. For the year 2020, 107 proposals (Sl.No. 982 to 1088) 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/2020/RR-20, dt: 21.05.2020).

01	Dr B. Vengamma	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	Dr DVR Sai Gopal	Member – Scientific (Non-Institutional)
10	Prof. S. Dakshinamurthy Sarma	Member - Philosopher/Theologian (Non-Institutional)
11	Mrs. M. Subhashini	Member- Legal Expert (Non-Institutional)
12	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 trails 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 2020, 33 proposals (Sl.No. 456 to 488) 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.

Sl.No	Member of the Research Committee	
1.	Director-cum-VC	Chairperson
2.	Dr V. Suresh, Professor, Endocrinology	Convener
3.	Dean	Ex-officio Member
4.	Principal, SVIMS, SPMC(W)	Ex-officio Member
5.	Dr D. Rajasekahar, Sr. Prof. & HoD, Cardiology	Scientific Expert
6.	Dr PVLN. Srinivasa Rao, Sr. Prof. & HoD, Biochemistry	Scientific Expert
7.	Dr K. Nagaraj, Prof. & HoD, Community Medicine	Scientific Expert
8.	Dr A. Mohan, Prof. & HoD, Medicine	Scientific Expert
9.	Dr Alok Sachan, Prof. & HoD, Endocrinology	Scientific Expert
10.	Dr H. Narendra, Prof. & HoD, Surgical Oncology	Scientific Expert
11.	Dr K.V. S. Sarma, Consultant, Biostatistics & Research	Scientific Expert
12.	Dr Usha Kalawat, Professor, Clinical Virology	Scientific Expert
13.	Dr A. Umamaheswari, HoD, Bioinformatics	Scientific Expert
14.	Dr PVGK Sarma, HoD, Biotechnology	Scientific Expert
15.	Principal, College of Physiotherapy	Ex-officio Member
16.	Principal, College of Nursing	Ex-officio Member
17.	Principal i/c, Allied Health Sciences	Ex-officio Member

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Post Graduate students (MD/ DM/ MCh), Thesis protocols for IEC clearance

TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
520	Comparison of the efficacy of fentanyl and dexmedetomidine as adjuvants to intrathecal 2-chloroprocaine for elective lower limb orthopaedic surgeries – a prospective, randomized, double blind study	Dr Manoj .S Postgraduate Junior Resident in MD (Anaesthesiology)	Dr P. Janaki Subhadra	1001	-	-
521	Comparative evaluation of intrathecal dexmedetomidine vs fentanyl for prevention of post-spinal anaesthesia shivering in Endoscopic urological surgeries – A prospective randomized double blind controlled study	Dr G. Sravani Malathi Postgraduate Junior Resident in MD (Anaesthesiology)	Dr P. Hemalatha	1002	-	-
522	Effects of oral metoprolol and atenolol on analgesic and anesthetic requirements in laparoscopic cholecystectomy: a prospective randomized double blind placebo controlled study	Dr A. Aparna Postgraduate Junior Resident in MD (Anaesthesiology)	Dr M. Hanumantha Rao	1003	-	-
523	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation: A comparison of effect of preoperative administration of intravenous paracetamol versus fentanyl – A double blind randomised control trial	Dr M. Brunda Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Aloka Samantaray	1004	-	-
524	A comparative study of the effect of Dexmedetomidine – Ketamine vs Fentanyl in patients undergoing elective open abdominal surgeries – A prospective randomized study	Dr Balaraju Jeevitha Postgraduate Junior Resident in MD (Anaesthesiology)	Dr N. Hemanth	1005	-	-
525	Effect of intravenous infusion of ascorbic acid on hyperbaric bupivacaine spinal block characteristics in infraumbilical surgeries: a prospective, randomized, double blind, placebo controlled study	Dr R Anila Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Aloka Samantaray	1006	473	12,395/-
526	Ratio of height to sternomental distance for assessing difficult laryngoscopy and tracheal intubation: A Prospective, observational, comparative study	Dr Vagga Ramesh Postgraduate Junior Resident in MD (Anaesthesiology)	Dr M. Hanumantha Rao	1007	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
527	Frailty as a predictor of morbidity and mortality in oral and abdominal Oncosurgical patients undergoing surgery : A prospective observational study	Dr C.M. Ravi Kumar Postgraduate Junior Resident in MD (Anaesthesiaology)	Dr Aloka Samantaray	1008		-
528	Pain management in critically ill patients based on Critical-care Pain Observation Tool (CPOT) score: a prospective, randomized observational, double-blind and comparative study	Dr Vijaya Gandipan. A Postgraduate Junior Resident in MD (Anaesthesiaology)	Dr M. Hanumantha Rao	1009	-	-
529	Comparison of methods for measurement of haemoglobin A 1c levels in predialysis chronic kidney disease	Dr K. Mamatha Postgraduate Junior Resident in MD (Biochemistry)	Dr Aparna R Bitla	1010	482	50,000/-
530	Comparison of TIMI and HEART score to assess the risk of major adverse cardiac events in chest pain patients presenting to Emergency Department (ED).	Dr J. Rani Postgraduate Junior Resident in MD (Emergency Medicine)	Dr P.V. Rama Subba Reddy	1011	-	-
531	To study socio-demographic profile, clinical presentation and outcome in patients with acute poisoning presenting to Emergency Medicine	Dr Addepalli Naga Sowmya Postgraduate Junior Resident in MD (Emer. Medicine)	Dr P.V. Rama Subba Reddy	1012	-	-
532	Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital	Dr M. Siva Kumar Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	1013	-	-
533	Clinical characteristics, diagnosis and outcome of respiratory diseases in patients presenting to an advanced lung diseases clinic at a tertiary care teaching hospital in Tirupati, South India	Dr K. Anil Kumar Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	1014	-	-
534	Burden of hepatitis B, hepatitis C and human immunodeficiency virus associated arthritis in patients with rheumatic diseases	Dr Archana M.H Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	1015	-	-
535	Study of nutritional status in patients with various forms of tuberculosis	Dr M.Shriramya Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	1016	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
536	Assessment of quality of life and associated factors in patients of non-diabetic chronic kidney disease in various stages [pre-dialysis, dialysis (peritoneal dialysis and haemodialysis) and post renal transplant]	Dr N. Madhuvanthini Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	1017	-	-
537	A study on clinical features and complications of scrub typhus in a tertiary care institute in Andhra Pradesh, India	Dr A. Anil Kumar Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	1018	-	-
538	Correlation of erythrocyte sedimentation rate (ESR) and C- reactive protein (CRP) at initial presentation with early brain damage and their influence on In-hospital outcome in patients with acute ischemic stroke: A prospective study	Dr Iraga Siva Sai Sireesha Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	1019	-	-
539	Comparison of C-reactive protein and plasma lactate in assessing the severity and outcome of community acquired pneumonia in a tertiary care institute	Dr P. Prasanthi Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	1020	-	-
540	A study on aetiology, clinical features and outcomes in patients admitted with coma in a tertiary care institute	Dr S. Vijayalakshmi Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	1021	-	-
541	Utility of adenosine stress induced ECG changes while reading 99mTc MIBI myocardial perfusion scintigraphy in evaluation of coronary artery disease	Dr N.C. Valaiyapathy Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	1022	-	-
542	Utility of 18F-FDG PET/CT in the initial staging and management of patients with oesophageal carcinoma	Dr Sankari Kommi Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	1023	-	-
543	Immunoexpression of Bcl-2, Cyclin D1, Ki-67 and p53 in oral squamous cell carcinoma	Dr B. Swathi Postgraduate Junior Resident in MD (Pathology)	Dr Amith Kumar Chowhan	1024	-	-
544	Study the association between expression of E-cadherin, β -catenin and vimentin in primary oral cavity squamous cell carcinoma with lymph nodal metastasis	Dr Gopinath Reddy.V Postgraduate Junior Resident in MD (Pathology)	Dr N. Rukmangadha	1025	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
545	Magnetic resonance imaging morphological features, iliolumbar ligament location for characterization of lumbosacral transitional vertebrae	Dr T.Ragini Postgraduate Junior Resident in MD (Radio diagnosis)	Dr A.Y. Lakshmi	1026	-	-
546	Assessment of Ultrasound as a diagnostic biomarker for prognosis of breast cancer	Dr J. Sahitya Postgraduate Junior Resident in MD (Radio diagnosis)	Dr A.Y. Lakshmi	1027	-	-
547	Quantitative apparent diffusion coefficient value as imaging biomarker in patients of cervical cancer	Dr S. Srinivasa Akhil Anirudh Postgraduate Junior Resident in MD (Radio diagnosis)	Dr. B. Vijaya Lakshmi Devi	1028	486	-
548	Study of cerebral white matter hyperintensities in young and middle aged clinical patients and their association with symptoms	Dr Dilip Kumar Duddyala Postgraduate Junior Resident in MD (Radio diagnosis)	Dr Pavan Kumar.G. Kale	1029	-	-
549	Diffusion weighted imaging with ADC mapping in differentiation of glioblastoma from solitary metastatic lesions	Dr D. Meghana Postgraduate Junior Resident in MD (Radio diagnosis)	Dr. B. Vijaya Lakshmi Devi	1030	-	-
550	Detection of colorectal lesions with computed tomography colonography	Dr Sunay Gadigeppa Postgraduate Junior Resident in MD (Radio diagnosis)	Dr. B. Vijaya Lakshmi Devi	1031	-	-
551	Study of utility of ACR tirads scoring in classification of thyroid nodules	Dr B. Bharath Kumar Postgraduate Junior Resident in MD (Radio diagnosis)	Dr A.Y. Lakshmi	1032	-	-
552	A study to formulate Maximum surgical blood order schedule at a tertiary care referral teaching institute in Andhra Pradesh	Dr G. Sandhya Postgraduate Junior Resident in MD (Transfusion Medicine)	Dr K.V. Sreedhara Babu	1033	-	-
553	A Prospective study to assess the impact of patient immobilization using a belly board device on small bowel toxicity among patients with carcinoma cervix receiving pelvic external beam radiotherapy	Dr Divya Sowjanya Postgraduate Junior Resident in MD (Radiotherapy)	Dr B.V. Subramanian	1034	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
554	A prospective study of comparision between non volumetric point based and three dimensional volumetric image based intracavitary brachytherapy in treatment of carcinoma cervix	Dr P. Harika Bhavani Postgraduate Junior Resident in MD (Radiotherapy)	Dr Pranabandhu Das	1035	-	-
555	A comparative study of concomitant boost radiotherapy versus conventionally fractionated chemoradiotherapy in treatment of locally advanced carcinoma of head and neck	Dr P. Angelina Shiny Postgraduate Junior Resident in MD (Radiotherapy)	Dr Pranabandhu Das	1036	-	-
515	A Retrospective analysis of implications of lymph node positivity and lymph node ration on survival in node positive women with breast cancer	Dr S. Chaitanya Vani PG Sr. Resident in Surgical Oncology	Dr H. Narendra	1045	-	-
-	Correlation of Diffusion weighted apparent diffusion coefficient values with immunochemical prognostic factors of breast carcinoma	Dr S. Theja Postgraduate Jr. Resident in Radiology	Dr B. Vijayalakshmi Devi	1046	-	-
556	Correlation between ASCVD score, ankle brachial index and CT calcium score with severity of coronary artery disease on coronary angiogram	Dr B. Kiran Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	1061	-	-
557	Association of Testosterone with the Angiographic severity of coronary artery disease in the middle age males.	Dr P. Venkata Harish Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	1062	-	-
558	Echocardiographic assessment of right ventricular function in inferior wallmyocardial infraction and angiographic correlation with right coronary artery disease.	Dr K. Sriram. Postgraduate Senior Resident in DM (Cardiology)	Dr V. Vanajakshamma	1063	-	-
559	Echocardiographic assessment of inter and intraventricular dyssynchrony in heart failure patients with reduced ejection fraction and normal QRS duration using speckle tracking, tissue Doppler imaging, 2D Echocardio graphy and M-mode.	Dr Varun Mitra Vallabhapurapu Postgraduate Senior Resident in DM (Cardiology)	Dr V. Vanajakshamma	1064	-	-
560	Patterns and predictors of acute complications among patients with type 1 diabetes mellitus	Dr Likhitha Butukuri Postgraduate Senior Resident in DM (Endocrinology)	Dr Alok Sachan	1065	-	-
561	Thyroid specific autoantibodies and calcitonin levels in graves disease with hyperthyroidism before and after treatment with cardbimazole	Dr B. Shruthi Postgraduate Senior Resident in DM (Endocrinology)	Dr V. Suresh	1066	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
562	The safety and efficacy of 5-Fluorouracil, Leucocorin, Oxaliplatin and Docetaxel (FLOT) combination in the front-line treatment for patients with locally advanced and metastatic gastric or gastroesophageal adenocarcinoma	Dr. K. Rajiv Gandhi Postgraduate Senior Resident in DM (Medical Oncology)	Dr D. Bhargavi	1067	-	-
563	A study of olanzapine for the prevention of chemotherapy induced nausea and vomiting (CINV) in patients receiving highly emetogenic chemotherapy (HEC)	Dr P. Sindhu Postgraduate Senior Resident in DM (Medical oncology)	Dr D. Bhargavi	1068	-	-
564	Non-invasive assessment of bone disease in patients of chronic kidney disease in various stages	Dr M. Murali Postgraduate Senior Resident in DM (Nephrology)	Dr R.Ram	1069	-	-
565	A study of oxidative stress, inflammation and endothelial dysfunction in snake bite induced acute kidney injury patients	Dr Lakshmi Aishwarya P Postgraduate Senior Resident in DM (Nephrology)	Dr R.Ram	1070	-	-
567	Clinical, Electrophysiological and serological profile and short term outcome of acquired myasthenia gravis: SVIMS experience	Dr A. Yamini Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	1071	-	-
568	Etiology and clinical profile of new onset seizures in adults: SVIMS experience	Dr P. Phani Kumar Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	1072	-	-
569	Correlation of imaging findings and ease of resectability in intracranial meningiomas	Dr K. Siva Kumar Reddy Postgraduate Senior Resident in MCh (Neurosurgery)	Dr V.V. Ramesh Chandra	1073	-	-
570	A prospective study to predict the Intra cranial pressure, using optic nerve sheath diameter measured through ultrasound in conservatively managed severe head injuries	Dr K. Chandra Sekhar Reddy, Postgraduate Senior Resident in MCh (Neurosurgery)	Dr V.V. Ramesh Chandra	1074	-	-
571	Comparison of delayed gastric emptying following pyloric ring resection whipple's with classical whipple's procedure	Dr Sudish Durgesh Postgraduate Senior Resident in MCh (Surgical G.E.)	Dr V. Venkatarami Reddy	1075	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
572	Study of factors affecting surgical outcome of excision and end-to end – anastomosis for bulbar urethral stricture – A prospective observational study	Dr Vaibhao Nasare Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	1076	-	-
573	Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study	Dr Ashish Kumar Singh Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	1077	-	-
574	A comparative study of the outcomes of laparoscopic transperitoneal simple nephrectomy in non-inflammatory versus inflammatory non-functioning kidneys – A prospective observational study	Dr K. Rakesh Pradeep Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	1078	-	-
575	A prospective study of factors predicting outcome of trial of void without catheter in patients with acute urinary retention secondary to benign prostatic hyperplasia	Dr Shashi Kumar Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	1079	-	-
576	A prospective evaluation of diagnostic accuracy of intraoperative consultation (Frozen section) and its influence in management of complex ovarian masses.	Dr G.V.V. Prasad Reddy Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	1080	-	-
577	Correlation of plasma 25-hydroxy vitamin D levels with risk of breast cancer – A case control study	Dr Metta Jayachandra Reddy Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	1081	-	-

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

TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
1	Prospective study of utilization of CSF xpertMTB/ RIF testing in the diagnosis of tuberculosis meningitis	J. Pranuthi Roy M.Sc (Medical Microbiology)	Dr B. Venkata Ramana	984	-	-
2	Bacteriological profile and their antimicrobial susceptibility patterns in body fluids: A study from a tertiary care teaching hospital in SVIMS	Y. Supriya M.Sc (Medical Microbiology)	Dr K.K. Sharma	985	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
3	A study of Aerobic Gut Microbiome and its antimicrobial susceptibility patterns in chronic kidney disease (CKD) patients: (Predialysis, Dialysis-peritoneal dialysis/ Hemodialysis) & post renal transplants in a tertiary care teaching hospital SVIMS, Tirupati, A.P.	K.N.T. Durga M.Sc, (Medical Microbiology)	Dr R. Jayaprada	986	-	-
4	Study of oxidant and antioxidant status in obese individuals	T. Keerthika M.Sc (Medical Biochemistry)	Dr V.S. Kiranmayi	987	-	-
5	Study of lipid profile and lipid indices in postmenopausal women	T.H. Harshitha M.Sc (Medical Biochemistry)	Dr V.S. Kiranmayi	988	-	-
6	Study of Bone turnover markers in post menopausal women	P. Leela M.Sc (Medical Biochemistry)	Dr V.S. Kiranmayi	989	-	-
7	Effect of heartfulness meditation on oxidative stress markers in patients with coronary artery disease	M. Haripriya PhD Scholar (Physiology) SVIMS, SPMC(W)	Dr N. Sharvani	990	478	-
8	The effect of heartfulness meditation on vital parameters and biomarkers of stress in healthy female medical students	K. Pujitha PhD Scholar (Physiology) SVIMS, SPMC(W)	Dr Sharan B SinghM	991	479	-
9	Efficacy of low level laser therapy on pain, jaw movement and quality of life in oral mucositis individuals with post radiation therapy head and neck cancer subjects	S. Balaji (MPT) SVIMS	Dr K. Madhavi	992	-	-
10	Influence of positioning and breathing exercises on lung function and arterial blood gas analysis (ABG) parameters in postoperative coronary artery bypass graft (CABG) individuals	R. Geervani (MPT) SVIMS	Dr K. Madhavi	993	-	-
11	The influence of aerobic exercises through telehealth on cardiorespiratory fitness in middle age group individuals	P. Sai Sandeep (MPT) SVIMS	Dr K. Madhavi	994	-	-
12	A comparative study to evaluate the effectiveness of thodi raga and ahir bhairavi raga on chronic hypertensive patients	V.G. Leena Lakshmi Prasanna MSc (Physiology)	Dr N. Sharvani	995	-	-
13	Intraocular pressure in myopia subjects MSc (Physiology)	D. Sucharitha B Singh M	Dr Sharan	996	-	-

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TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. Grant	SBAVP Sanctioned Rs.
14	Prevalence and description of psychological depression and fatigue in women with breast cancer	Kalikiri Sandhya MBBS II year SVIMS, SPMC (W)	Dr H. Narendra	1059	-	-
15	Design of leads to manage parkinson's disease through transcriptomic analysis	V. Umakanth Naik (Research Scholar) Dept. of Bioinformatics	Dr A. Umamaheswari	1082	-	-
16	Identification of potential drug targets and design against human cervical cancer through transcriptomic approach	P. Sivaranjani (Research Scholar) Dept. of Bioinformatics	Dr A. Umamaheswari	1083	-	-
17	Prospective randomized controlled study comparing the efficacy of manual lymphatic drainage and pneumatic compression therapy on secondary lower limb lymphedema in patients undergoing surgery and / or radiotherapy for gynaecological malignancies	S. Raghava Krishna (Research Scholar) Dept. of Surgical Oncology	Dr H. Narendra	1084	-	-

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

IEC No.	Title	Principal Investigator	R.C. No. & SBAVP sanctioned Rs.
982	Evaluation of antibiotic stewardship initiative, monitoring of adverse drug reactions (ADR's) and pharmacoconomics in nephrology unit of a tertiary care teaching hospital in South India: a pilot study	Dr R. Ram Professor & HoD Nephrology	-
-	To study the utility of high resolution ultrasound and magnetic resonance imaging in patients presenting with shoulder joint pain	Dr A.Y. Lakshmi Professor & HoD Radiology	456 2,50,000/-
983	Effect of biofeedback on treatment course of anxiety and unipolar depression	Dr B. Sivanandh Assoc. professor, Psychiatry	- -
997	Study of Microbiome and its antimicrobial susceptibility patterns among Central Line Associated Blood Stream Infections (CLABSI) in a tertiary care hospital, India	Dr S. Yamini Asst. Professor (ad hoc) Microbiology	-
1000	A surveillance study of multidrug resistant organisms among clinically significant gram negative bacteria in a tertiary care teaching hospital	Dr N. Ramakrishna Asst. Professor Microbiology	-
1037	Endoscopic septoplasty: A retrospective analysis of 230 cases	Dr S.B. Amarnath, Assoc. Professor & i/c HoD, ENT	-
1038	Comparison of pain on injection of newer formulation propofol and standard propofol with added lignocaine: A randomized double blind prospective study	Dr M. Hanumantha Rao Sr. Professor & Dean Anaesthesia	- -

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IEC No.	Title	Principal Investigator	R.C. No. & SBAVP sanctioned Rs.
1039	A prospective multi-center study to develop an antibiotic resistance prediction model supporting empirical antibiotic therapy	Dr B. Vengamma Director-cum-VC	-
-	New generation ultrathin strut (60 microns) everolimus eluting stents for coronary artery disease, an all comers study	Dr D. Rajasekhar Sr. Prof. & HoD Cardiology	459
1040	A Phase-II, open label randomized controlled trial to assess the safety and efficacy of convalescent plasma to limit COVID-19 associated complications in moderate disease	Dr K.V. Sreedhar Babu Professor & HoD Transfusion Medicine	460
-	To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus	Dr D.T. Katyarmal Assoc. Professor Medicine	461 2,65,500/-
1041	A Short scale for measuring loneliness in COVID-19 patients	Dr Sunnesh Reddy Anapalli Asst. Professor. Nephrology	-
1042	Clinical presentation, laboratory characteristics and outcome in patients with COVID-19: A prospective study	Dr A. Mohan Professor & HoD, Medicine	-
1043	The effect of combined antegrade and retrograde vs antigrade cold blood cardioplegia on myocardial protection in patients undergoing open heart surgery for acquired adult cardiac diseases	Dr Abha Chandra Prof. & HoD, CT Surgery	-
1044	Role of intraoperative frozen section in the diagnosis of ovarian neoplasms – an Oncology center experience	Dr N. Rukmangadha Prof. & HoD of Pathology	-
1047	Prospective study for validation of proposed novel 'SVIMS criteria' for the diagnosis of intracranial tuberculoma	Dr V.V. Ramesh Chandra Prof. & HoD of Neurosurgery	-
-	Study of lipid profile and lipid indices in postmenopausal women	Dr V.S. Kiranmye, Assoc. Professor, Biochemistry	471 31,200/-
-	Study of Bone turnover markers in post menopausal women	Dr V.S. Kiranmye, Assoc. Professor, Biochemistry	472 61,500/-
-	Utility of 18F-FDG PET/CT in the initial staging and management of patients with oesophageal carcinoma	Dr T.C. Kalawat, Prof. & HoD of Nuclear Medicine	475 7,20,000/-
-	Effect of heartfulness meditation on oxidative stress markers in patients with coronary artery disease	Dr N. Sharvani, Assoc. Professor, Physiology	476 62,400/-
-	Effect of Heartfulness meditation on vital parameters and biomarkers of stress in healthy female medical students	Dr Sharan B Singh, Professor & HoD of Physiology	477 2,29,800/-
-	Proposal to purchase Skeletons for Anatomy Department	Dr C. Sreekanth, Assoc, Prof. & i/c HoD, Anatomy	480
1049	Recording the molecular signature of SARS-CoV-2 using mass spectrometry: A rapid noninvasive and reagent-free approach for COVID-19 diagnostic	Dr Usha Kalawat Professor of Virology	-

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IEC No.	Title	Principal Investigator	R.C. No. & SBAVP sanctioned Rs.
1050	Microbiological, Immunological and Molecular haracterization of COVID-19 pandemic in Andhra Pradesh, India	Dr Alladi Mohan Prof. & HoD of Medicine	-
1051	Intravenous TREatment for Scrub Typhus (INTREST) Trial Protocol	Dr Alladi Mohan Prof. & HoD of Medicine	-
1052	Clinical performance of Recombinant Immunogenic Marker (IHF's COVIDAG-SP) based on single-chain fragment variable (scFv) specific to Spike SI & S II variable regions of COVID-19 for Rapid Detection of Antigen.	Dr Alladi Mohan Prof. & HoD of Medicine	-
1053	Clinical performance of Recombinant Immunogenic Marker (IHF's COVIDAG-SP) based on single- chain fragment variable (scFv) specific to Spike SI & S II variable regions of COVID-19 for Rapid Detection of Antibody.	Dr Alladi Mohan Prof. & HoD of Medicine	-
1054	Genomic sequencing of SARS-CoV-2 virus	Dr Usha Kalawat Professor of Virology	-
1055	A study of needle stick injury incidence among health care workers and its root cause analysis in a tertiary care teaching hospital, SVIMS, Tirupati, Andhra Pradesh	Dr R. Jayaprada Assoc. Professor Dept. of Microbiology	-
1056	Assessment of blood culture contamination rate in a tertiary care teaching hospital: A single centre study of South India	Dr S. Noble Ujesh Senior Resident Dept. of Microbiology	-
1057	'HTA of National Stroke Care Registry Programme – development of Hospital Based Stroke Registries (HBSR)in different regions of India, SVIMS, Tirupati – Prospective observational study	Dr S.V. Naveen Prasad Assoc. Professor Dept. of Neurology	-
1058	Microbiological profile of peritoneal dialysis fluid in acute and chronic renal failure patients in a tertiary care hospital, South India	Dr V.S. Srikala Senior Residnet Dept. of Microbiology	-
-	Comparison of methods for measurement of haemoglobin A1c levels in predialysis chronic kidney disease	Dr Aparna R Bitla Professor & HoD of Biochemistry	481 2,48,000/-
-	Correlates of atherosclerotic vascular disease in stable postrenal transplant patients	Dr R.Ram Prof. & HoD of Nephrology	483 3,28,800/-
-	A study on markers of inflammation and oxidative stress in patients of ESRD with peritonitis on peritoneal dialysis	Dr R.Ram Prof. & HoD of Nephrology	484 2,31,900/-
1060	A Randomised controlled trial of high-flow nasal oxygen versus non rebreathing oxygen face mask therapy in acute hypoxemic respiratory failure	Dr T. Bhargavi Asst. Professor Anaesthesia	-
-	Quantitative apparent diffusion coefficient value as imaging biomarker in patients of cervical cancer	Dr B. Vijaya Lakshmi Devi Prof. of Radio-diagnosis	486 4,44,000/-

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6.6 Events at SVIMS

- 1 A national workshop on scope of Integrative Medical Treatment in Clinical practice (SIMTI) has been organized by Siddha Clinical Research Unit Tirupati and CCRS in association with SVIMS on 03.01.2020.
2. Sri Gopal Bajaj and Sri Rajiv Bajaj, Managing Directors of Vital Laboratories Pvt. Ltd, Mumbai donated Rs. 10,00,000/- on this occasion SVIMS Director cum Vice Chancellor Dr.B.Vengamma felicitated Sri Gopal Bajaj, for giving Valuable donation for Sri BalajiAarogyavaraprasadini Scheme and their support for development of SVIMS on 09.01.2020.



3. SVIMS Director cum Vice Chancellor Dr. B. Vengamma hoisting the National Flag in connection with 71st Republic Day Celebrations on 26.01.2020 conducted in SVIMS campus. On this occasion Director presented Meritorious Awards to regular employees and Cash Prize to outsourcing employees for their best services for SVIMS.

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4. SVIMS Director cum Vice Chancellor Dr B.Vengamma addressing the students about Epilepsy in connection with an awareness programme on International Epilepsy Day has been organised jointly by Nursing College of SVIMS and Indian Epilepsy Association, Tirupati Branch at Ramachandrapuram, ZP High School on 28.01.2020.



5. SVIMS family grandly felicitated Sri Baaji Rao on his Superannuation on 30.01.2020 at Sri Padmavathi Auditorium, SVIMS.



6. SVIMS Director cum Vice Chancellor Dr.B.Vengamma inaugurated UNIFEST – 2020 Cultural events at Sri Padmavati Auditorium along with Dr. Ram, Dr. Sridhar Babu, Dr. Rama Subbareddy, Dr.Suchitra in connection with SVIMS 27th Anniversary



7. SVIMS successfully conducted World Cancer Day on 04.02.2020 at Sri Padmavathi OPD Hall, SVIMS, Tirupati. SVIMS Director-cum-Vice Chancellor Dr.B.Vengamma inaugurated World Cancer Day



8. SVIMS conducted Epilepsy Awareness programme in connection with International Epilepsy Day Celebrations on 06.02.2020 at Mangalam Primary Health Centre, Tirupati.



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9. SVIMS – SPMC(W) jointly organised Ethics Awareness Programme at Lecture Gallery 1 on 07.02.2020 at Sri Padmavathi Medical College for Women for 1st Batch MBBS Internees.



11. SVIMS conducted Sports Day at Sports ground Sri. Gopinath Jetti, IPS, CVSO, TTD attended as a Chief Guest and inaugurated the function along with SVIMS Director cum Vice Chancellor and senior faculty on 23.02.2020.



10. SVIMS – SPMC(W) conducted Epilepsy Awareness Programme in connection with International Epilepsy Day on 10.02.2020 at Sri Padmavathi Medical College Lecture Gallery. In connection with Dr.Nandana Rajaneesh, Bangalore and Dr. G.C.M. Pradeep, M.S. Memorial Hospital attended and delivered guest lecture on Epilepsy Day



12. SPMC(W) 1st Batch MBBS internees felicitated to Director cum Vice Chancellor and senior faculty of SPMC(W) on their completion of MBBS course on 26.02.2020.



13. SVIMS Successfully conducted 10th Convocation at Srinivasa Auditorium, Sri Venkateswara University Campus, Tirupati on 29.02.2020.



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14. The Government Organisation SETWIN has conducted International Women's Day in Sri Padmavathi Auditorium, SVIMS. District Collector Dr. Narayan Bharath Gupta has inaugurated the above programme on 08.03.2020.



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15. 10 members of Corona Patients discharged with good health condition as a first Batch from State COVID Hospital of SVIMS on 17.04.2020.



16. Sri B. Karunakar Reddy, MLA, Tirupati and Board Member, TTD praised the services of Sanitary workers, Security Staff and Bed Side Assistants for the Corona Patients and distributed Provisions and Rice Bags for all staff on 27.04.2020



19. SVIMS Director and staff felicitated Smt. Madhuranthakam Vimala on the occasion for her retirement on 30.05.2020. In this connection SVIMS Director appreciated her best services for a long period in SVIMS Hospital on 25.05.2020

17. SVIMS successfully conducted International Nurses Day in connection with birthday of Florence Nightingale on 12.05.2020.



18. Lions Club of Tirupati donated and handed over Rs. 3/- Lakhs worth of 360 Nos PPE Kits to the SVIMS Director Dr.B.Vengamma through Sri B.Karunakar Reddy, MLA, Tirupati. The PPE kits are distributed to the Faculty, Medical and Nursing staff who are rendering Medical Services 24x7 in State COVID Hospital by SVIMS Director and Tirupati MLA on 25.05.2020



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20. Indian Medical Association Tirupati Chapter felicitated SVIMS Director cum Vice Chancellor Dr.B.Vengamma, Doctors, Nursing Staff, Paramedical Staff and Sanitary Staff who are rendering the best services for the COVID 19 patients on 10.06.2020 in SVIMS – State Covid Hospital.



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21. Indian Medical Association Tirupati Chapter felicitated SVIMS Director cum Vice Chancellor Dr.B.Vengamma, Doctors, Nursing Staff, Paramedical Staff and Sanitary Staff who are rendering the best services for the COVID 19 patients on 10.06.2020 in SVIMS – State Covid Hospital.



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22. SVIMS Director cum Vice Chancellor Dr.B.Vengamma felicitated Prof. Dr. P.V.L.N. Srinivasa Rao, Dept. of Bio Chemistry, SVIMS on the occasion of his superannuation who rendered 27 years of service in the institution on 30.06.2020.



23. Dr B.Vengamma, Director-cum-VC, SVIMS and Tirupati MLA Sri BhumanaKarunakar Reddy and SVIMS staff felicitated Dr Y.Venkatarama Reddy, Deputy Director (PR) on the occasion for his superannuation on 30.06.2020. In this connection SVIMS Director and Tirupati MLA appreciated his services who rendered 27 years in SVIMS Hospital.



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24. SVIMS successfully conducted National Doctors Day. SVIMS Director cum Vice Chancellor Dr B.Vengamma inaugurated the programme by lighting the lamp and appealed the doctors to render best services for the patients on 01.07.2020.



25. SVIMS Director cum Vice Chancellor Dr.B.Vengamma received donation of Rs. 2,00,232/- from Dr. BCM Prasad, Senior Professor, Dept. of Neurosurgery, SVIMS and His son Sri Sivachaitanya towards Sri Balaji Aarogyavaraprasadini Scheme on 03.07.2020.



26. SVIMS Incharge Director Dr M.Hanumantha Rao hoisting the National Flag on 74th Independence Day Celebrations on 15.08.2020 at SVIMS.



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27. SVIMS Director cum VC Dr.B.Vengamma received 10 stretchers donation to SVIMS on 14.09.2020 from Nagari M.L.A. Smt. R.K. Roja along with Tirupati M.L.A. Sri Bhumana Karunakar Reddy.



28. The Medical Education Unit of SVIMS –Sri Padmavathi Medical College for Women (SPMCW), Tirupati conducted 2 days curriculum implementation support programme for competency based medical Education on 28.09.2020.



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29. The Medical Education Unit of SVIMS –Sri Padmavathi Medical College for Women (SPMCW), Tirupati conducted 2 days curriculum implementation support programme for competency based medical Education on 28.09.2020.



30. SVIMS provide additional Phone (Land line) facility for Inpatients in Sri Padmavathi State COVID 19 Hospital on 19.10.2020.



32. SVIMS – Sri Padmavathi Medical College for Women conducted Integrity pledge “Vigilant India – Prosperous India” on the occasion of Vigilance Awareness Week on 31.10.2020 at SPMC(W) Hall.



31. SVIMS conducted Integrity pledge with the theme “Vigilant India – Prosperous India” on the occasion of Vigilance Awareness Week on 28.10.2020 at Sri Padmavathi Auditorium.



33. SVIMS – SPMC (W) MBBS admissions started for the Academic year 2020-21. Kum. G. Seersha (Rank: 10,268) received first admission from SVIMS Director cum Vice Chancellor Dr.B.Vengamma on 9.11.2020.

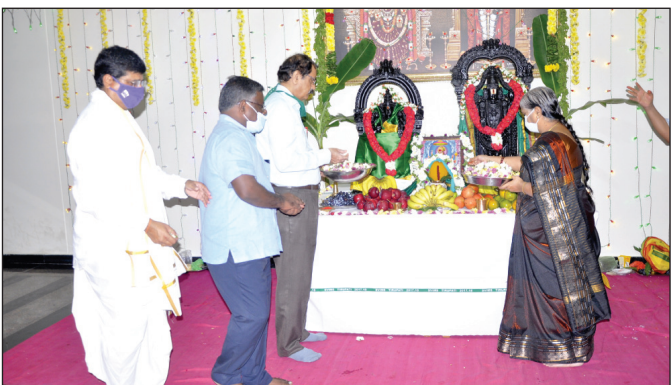


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34. SVIMS Transport department organised Ayudha Puja on at SVIMS Directors Office premises. SIVMS Director cum Vice Chancellor Dr.B.Vengamma attended and performed puja on 11.11.2020



35. SVIMS –Sri Padmavathi Medical College for Women organised Ayudha Puja (Friday) at SPMC(W) hall. SIVMS Director cum Vic e Chancellor Dr.B.Vengamma attended and performed puja on 13.11.2020.



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36. SVIMS successfully conducted Orientation programme for Paramedical Students who got admission in 2020-21 batch on 25.11.2020.



39. SVIMS Director cum Vice Chancellor Dr.B.Vengamma felicitated Sr. Prof. Dr. M. Hanumantha Rao, Dept. of Anaesthesiology and Dean, SVIMS on the occasion of his superannuation who rendered 27 years of service in the institution on 31.12.2020.



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 2020.

6.8 UNIFEST -2020

On the occasion of 27th Anniversary and Unifest celebrations sports and Games competitions were held during Jan-Feb 2020. During the competitions, the staff, their children and students actively participated. The winners of the competitions are as follows:

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Champions in various sports and games:

S.No	Event Name	Category	Winner Champion	Runners Champion
1.	Throw Ball (women)	Staff	Mrs. Sarada Devi, HN & Team	Dr Janaki Subadra, Assoc. Prof. & Team
2.	Badminton (women)	Staff	Dr Krishnaja M, Nucl. Med & Dr Anusha, Endo.	Dr Deepthi, Dept. of Pathology & Mrs. Prasanna Lakshmi, Dept. of Nursing
3.	Badminton Doubles (Men)	Staff	Mr P. Devendra Kumar, Ayush & Mr. Murali Mohan Reddy, CE office	Mr. NSR. Murali Krishna, AMRO Asst. & Mr. Chandra Mohan, Out sousing, GM Section.
4.	Cricket [Men]	Staff	Doctors team, Captain Dr. Sai Krishna, Nucl. Med. & Team Players	Dialysis Team Captain Mr. Sankar and Team Players
5.	Cricket [Men]	Students	College of Physiotherapy, SVIMS- Captain – G. Lokesh, MPT Firsr year & team Players	College of Nursing team, Captain – Mr. JSS.Sai Kumar, M.Sc .[Nur Final yr.], team Players.
6.	Cricket [Women]	Students	College of Nursing, SVIMS - Captain- Mis. S.Nagamani, Nur. IV yr. & Team Players	College of Physiotherapy, Svims – captain – Mis. Suseela, MPT Final yr. & team Players.
7.	Volleyball [Men]	Students & Staff	College of Physiotherapy, SVIMS- Captain - S.Md. Ali, MPT Final yr. & team players	AHS [PMTc] Team, Svims-captain - Mr.T.Sarath Kumar, MLT Final yr .& Team Players
8.	Volleyball [Women]	Students	College of Nursing, Svims Captain- Mis. N.Pooja, B.Sc.Nur Final Yr.& team Players.	College of Physiotherapy, Svims – captain- B.Meena Gayathri, BPT,III yr. & team players.
9.	Throw Ball [Women]	Students	College of Nursing: Captain Mis.N.Pooja, B.Sc.Nur. F.Yr. & Team	SPMC-[W]-SVIMS: Captain Mis.Iswarya, III Yr. MBBS & Team
10.	Badminton Doubles (Men & Women)	Students	College of Nursing Boys:Mr. JSS.Sai Kumar, MSc [Nur Final yr.] & G.Ganga Prasad,B.Sc.Nur Final yr. SPMC-[W]-SVIMS: Girls: Mis.Prathyusha, MBBS II yr. & Mis.Ramya, MBBS Iyr.	College of Physiotherapy Boys: Mr.K.V.Sai Kishore, BPT final yr. & Mr.Divakar, BPT final yr., College of Physiotherapy: Girls: C.Deepika, MPT, Final Yr.& Mis. Bhargavi, BPT Final yr.
11.	Kho-Kho (Men & Women)	Students	College of Nursing Boys:Mr.Pavan Kalyan,B.Sc(N) F.YR.& Team Players Girls: Mis.Goutahmy,B.Sc.(N) F yr. & Team Players.	College of Physiotherapy Boys: Mr.E.Sreekanth, BPT, III Yr. & Team players. Girls: Mis.Shusmitha , BPT, III yr. & team players.
12.	Kabaddi (Men)	Students	AHS[PMTc] Team Captain Mr. Uday Kumar Reddy, B.Sc MLT fial yr. , & team players.	College of Nursing Mr.T.Arun Kumar Reddy B.Sc[Nur] final yr. & Team Players
13.	Kabaddi (Men)	Staff	SVIMS-Dialysis Team Captain: Mr.V.Sreenu, Nur. Staff	SVIMS- PMTC team Captain: Mr.Harha, MLTech.

Unifest- 2020 Students Individual Champions:

Men : Mr. T.Sarath Kumar, AHS, B.Sc [MLT] final yr. with 21 points (100 mt. 2nd place, 200 mt. 2ndplace, 400 mt. I place, Long Jump I place, and High Jump I place.)

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

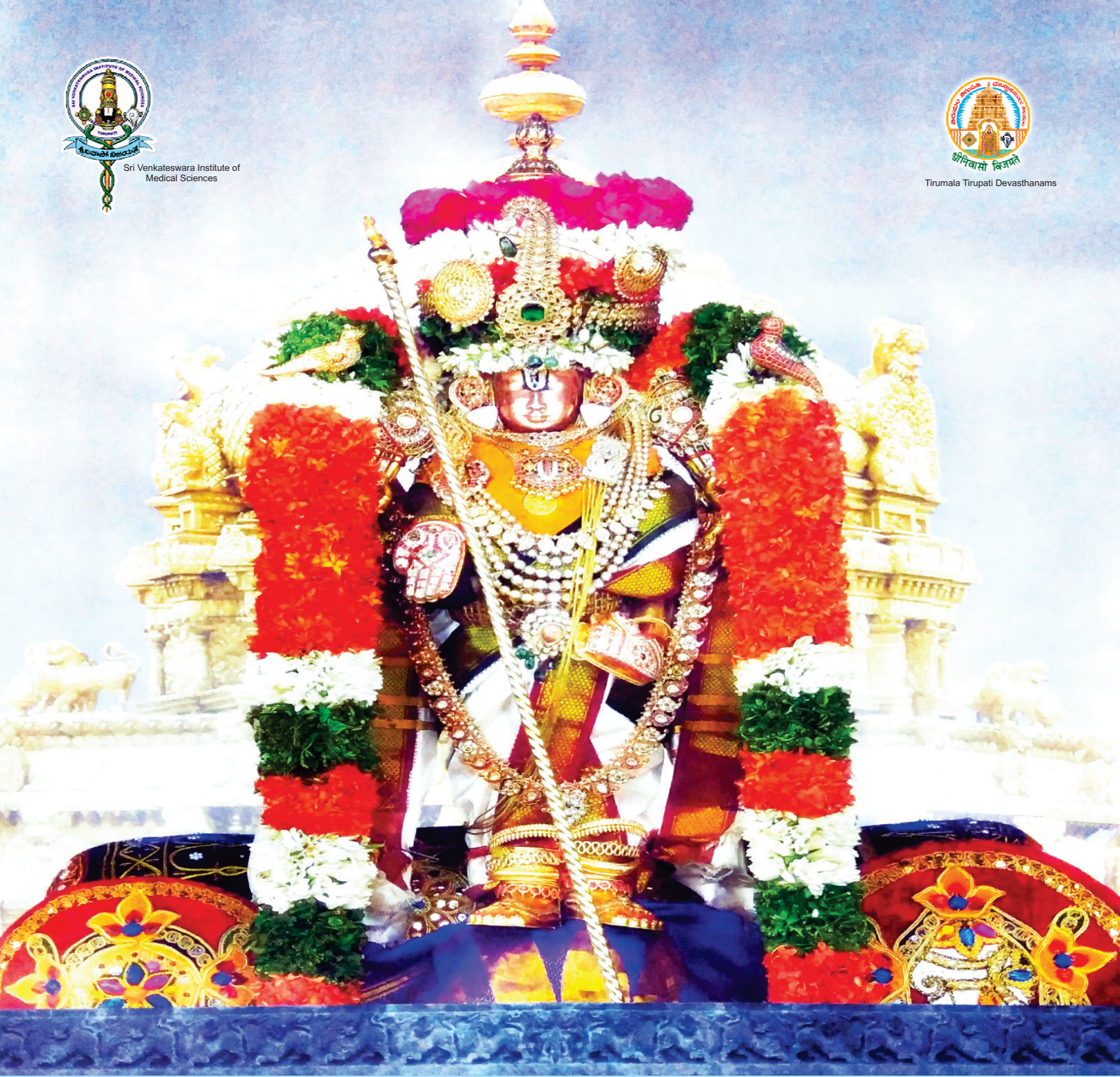
Over All championship: The College of Nursing secured Over All Championship with total 194 points



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 and some national holidays) with registration time from 7.00 am to 11.00 am. In addition to out-patient services, special clinics are run by various departments weekly. Similarly, monthly free clinics are also being conducted for the benefit of the poor 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 to Sat	18 & 19	Sri Padmavathi OPD Block
2.	C.T. Surgery	Mon to Sat	16	
3.	Community Medicine/ Wellness / Non Communicable Diseases	Mon to Sat	29	
4.	Medicine - I	Monday	25 & 26	
5.	Medicine - II	Tuesday		
6.	Medicine - III	Wednesday		
7.	Medicine - IV	Thursday		
8.	Medicine - V	Friday		
9.	Medicine - VI	Saturday		
10.	Surgical Gastroenterology	Mon to Sat	41 & 42	
11.	Neurology	Mon to Sat	21, 22 & 23	
12.	Neurosurgery	Mon/ Wed/ Fri	27 & 28	
13.	Nephrology	Mon/ Wed/ Fri	35, 36 & 37	
14.	Medical Oncology	Tue / Thu/ Sat	37, 39 & 40	
15.	Radiation Oncology	Tue / Thu/ Sat	27 & 28	
16.	Urology	Mon to Sat	45	
17.	Surgical Oncology	Tue / Thu/ Sat	31	
18.	Plastic Surgery	Mon / Wed / Fri	31	
19.	Endocrinology	Mon to Sat	18	SPMC W, Hospital
20.	General Surgery - I	Mon & Thu	15	
21.	General Surgery - II	Tue & Fri		
22.	General Surgery - III	Wed & Sat		
23.	Medicine - VII	Mon to Sat	10	
24.	Obstretics & Gynecology	Mon to Sat	17	
25.	Paediatrics	Mon to Sat	13	
26.	Ophthalmology	Mon to Sat	14	
27.	E.N.T.	Mon to Sat	12	
28.	Dermatology	Mon to Sat	9	
29.	Dental	Mon to Sat	19	
30.	TB & RD	Mon to Sat	11	
31.	Haematology	Mon to Sat	9 B	
32.	Psychiatry	Mon to Sat	16	
33.	Rheumatology	Mon / Wed / Fri	16 B	
SUNDAY - HOLIDAY				

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SPECIAL CLINICS

S.No.	Departments	Days	Room No.	Timings	Place
1.	Breast Clinic	Monday	39	7.00 -11.00 am	Sri Padmavathi OPD Block
2.	Heartfulness Meditation	Mon / Wed / Fri	40		
3.	Chest Clinic	Mon & Thu	25 & 26		
4.	Clinic for Advanced Lung Disorders	Friday	25	2.00- 4.00 pm	
5.	Juvenile Diabetic Clinic	2nd Saturday	40	7.00 – 11.00 am	
6.	Gastro Intestinal (GI) Tumor Clinic	Tuesday	39	8:00 - 1:00 pm	
7.	Gynae Oncology Clinic	Thursday			
8.	Lymphoma, Leukemia and Myelome Clinic	Saturday			
9.	Speech Therapy	Mon to Sat	48	8:00 - 4:00 pm	
10.	Master Health Check-up	Mon to Sat	25	7.00 – 11.00 am	
11.	Geriatric	Wed / Sat	25 & 26	7.00 – 11.00 am	
12.	Vascular Clinic (Arterial Disease)	Wednesday	16	12.00 noon	
13.	Deep Venous Thrombosis	Friday			
14.	Paed. Endocrinology	Tuesday	18	2:30 - 3:00 pm	SPMC (W) Hospital
15.	Thyroid Clinic	Monday		9.00 am-12.00 pm	
16.	Diabetes Clinic	Wednesday		9.00 am-12.00 pm	
17.	Growth Disorder Clinic	Tuesday		2:00 - 4:00 pm	
18.	Foot Clinic	Friday		9.00 am -12.00 pm	
19.	Obesity clinic	Saturday		9.00 am -12.00 pm	

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

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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 Check Up		19		
3.	Oral Hygiene Clinic		19		
4.	Well Baby Clinic		13		
5.	Deafness		12		
6.	Thyroid & Varicose Veins		15		
7.	Glaucoma, Paediatric Ophthalmology & Squint		14	9.00 – 11.00 am	SPMC (W), Hospita
8.	Carcinoma Breast	II Sunday	17		
9.	Well Baby Clinic		13		
10.	Carcinoma Cervix		17		
11.	Endocrinology	II Sunday	39 & 40	7.00 – 11.00 am	Sri Padmavathi OPD Block
12.	Epilepsy	III Sunday	21 & 22		
13.	Hypertension Clinic	Last Sunday	18 & 19		
14.	Prosthetic Valve Clinic	Last Sunday	18 & 19		

* **Registration fee exempted for WRC holders**

Services Not Available in SVIMS: Family Medicine, Orthopaedics (Treated At BIRRD) & Burns

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.

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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

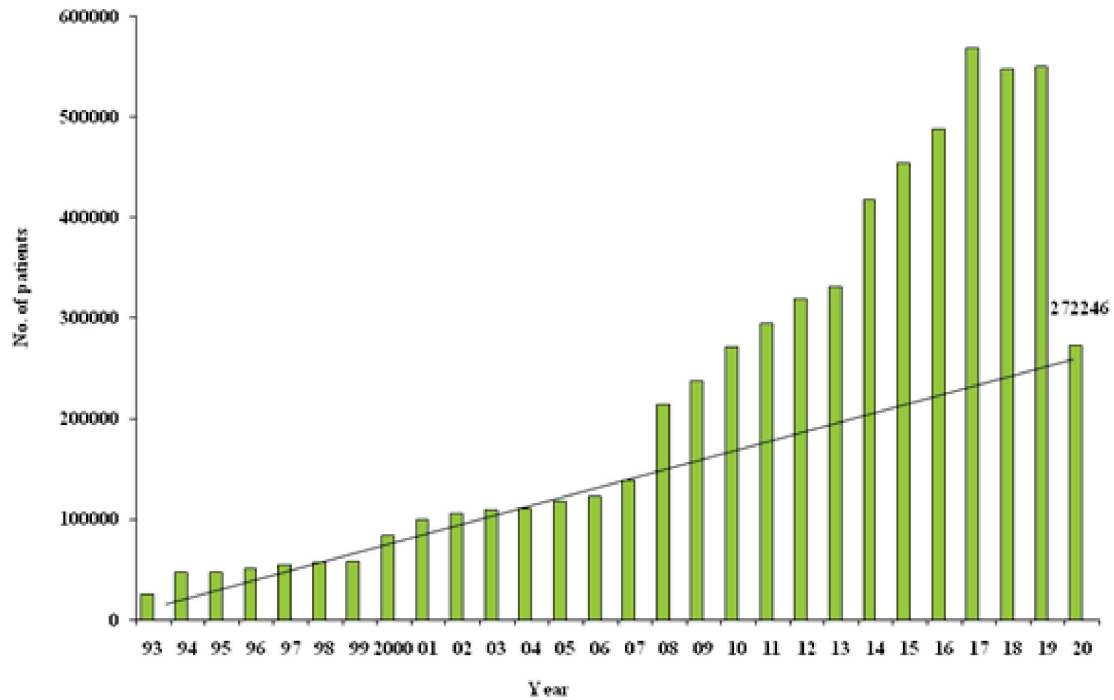
1.1 SVIMS APP

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 IOS 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.

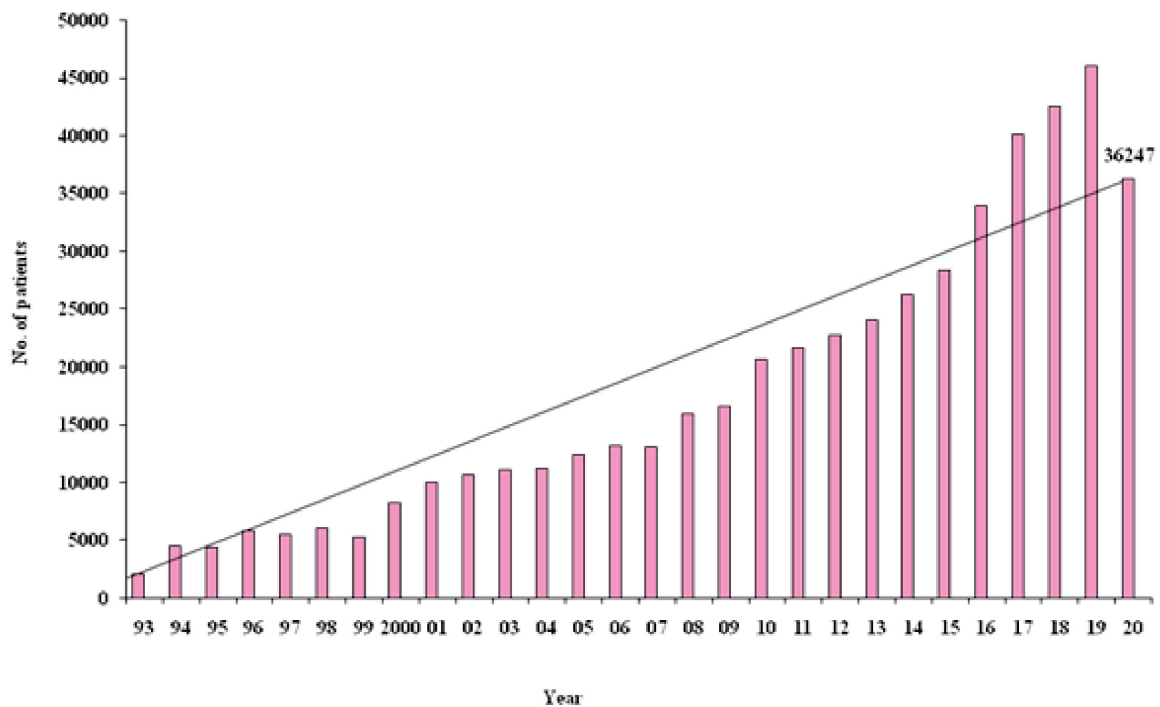
1.2 SVIMS Clinic

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. with Sufficient waiting space.

Yearly flow of out-patients
(1993 - 2020)



Yearly flow of in-patients
(1993 – 2020)



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Laboratory – wise investigation statistics (1993-2020)

S. No.	Department	No. of Investigations
1	Biochemistry	93,68,896
2	Haematology	83,02,672
3	Microbiology	19,51,557
4	Radiology	17,66,289
5	Blood Bank	14,56,446
6	Clinical Pathology	14,22,808
7	Cardiology	13,32,484
8	Endocrinology	7,78,786
9	Dialysis	5,19,363
10	VRDL(C-far lab)	4,34,036
11	Pathology	2,63,451
12	Neurology	85,942
13	HIC (MB)	85,508
14	G.E	56,862
15	Nuclear Medicine	54,005
16	PFT	44,035
17	Urology	20,606
18	C.T.Surgery	13,792
19	Dental	7,885
20	Psychiatry	798
	Total	2,79,66,221

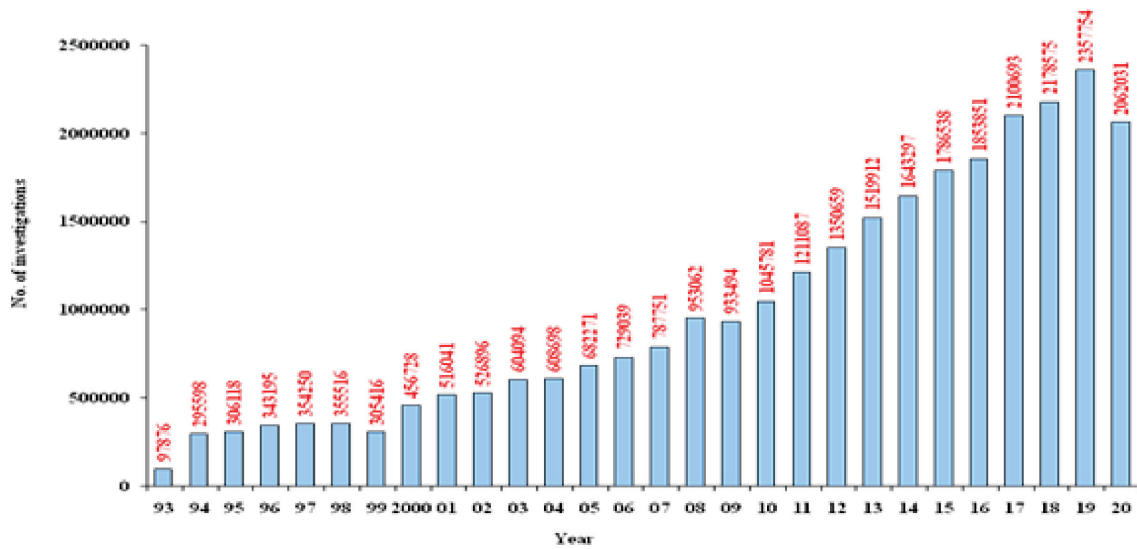
Laboratory – wise investigation statistics (2020)

S. No.	Department	No. of Investigations
1	Biochemistry	5,21,187
2	Haematology	5,10,604
3	VRDL(C-far lab)	4,34,036
4	Microbiology	1,43,323
5	Dialysis	91,169
6	Radiology	86,321
7	Blood Bank	70,862
8	Cardiology	68,712
9	Clinical Pathology	51,755
10	Endocrinology	51,447
11	Pathology	13,156
12	HIC (MB)	10,266
13	Nuclear Medicine	3,635
14	Neurology	2,675
15	G.E	1,238
16	PFT	1,120
17	Urology	240
18	Dental	233
19	Psychiatry	52
	Total	20,62,031

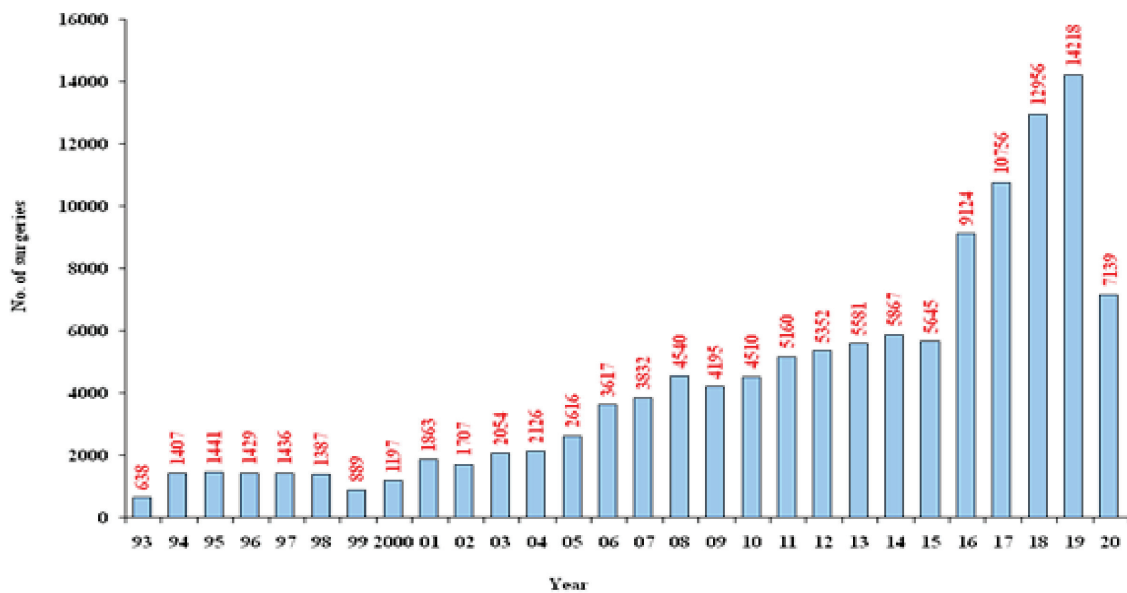
Vital statistics Comparison with 2019 & 2020

S. No.	Vital Statistics	2019	2020	%
1	Bed occupancy rate	70.77	55.01	↓ 22
2	Average length of stay	6.55	6.64	1
3	Gross death rate	3.83	7.26	↑ 90
4	Net death rate	1.86	3.89	↑ 109
5	Monthly Average Bed Turnover rate	3.75	2.95	↓ 21
6	Daily Average Inpatient census	724	564	↓ 22

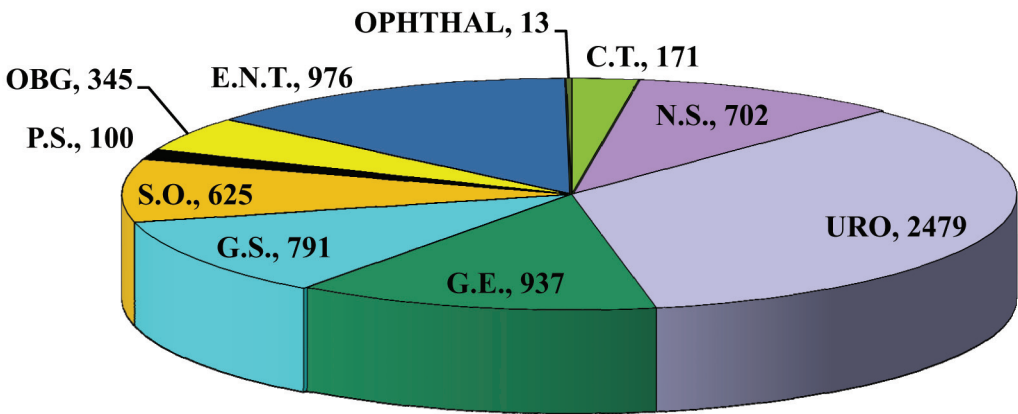
Year wise Investigation No. of patients (1993-2020)



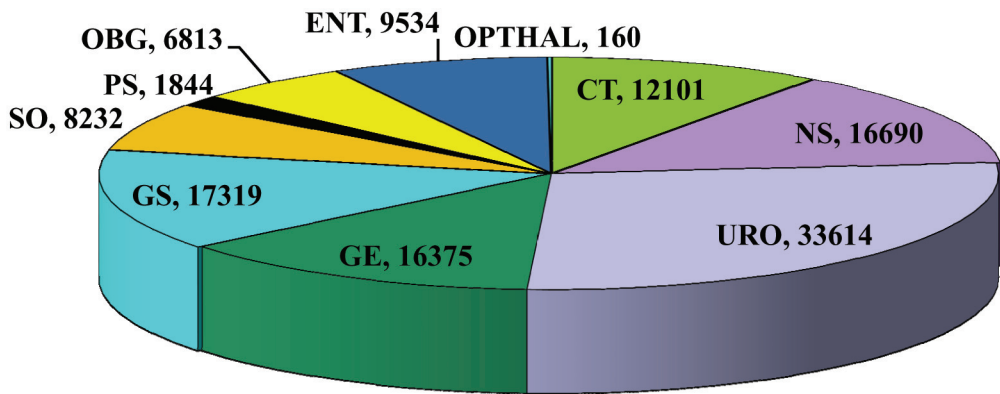
Year wise surgeries performed (1993-2020)



Total No. of Surgeries Performed
2020



Department wise surgery statistics
1993 – 2020



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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



Dr Y.S.R. 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 Dr YSR 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 (2 Senior MEDCOs and 3 Junior MEDCOs), 01 Medical Records Officer, 01 Office Senior Assistant, 02 Pharmacists, 43 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 from 4:00 pm to 5:00 pm every 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' 2020)

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
14	2020	02	1,392	26
	Total	480	1,17,472	5,752

Surgeries conducted under Dr. YSR Aarogyasri Scheme (Aug' 2007 – Dec' 2020)

Period	C.T. Surgery	Neuro surgery	Urology	Surgical Oncology	Surgical GE	General Surgery	ENT	Obstetrics	Plastic surgery	Total
2007	5	11	2	4	3	0			0	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	-		0	2,990
2014	575	349	522	649	949	198	-		0	3,242
2015	549	195	453	583	754	287	-		0	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
2020	214	473	816	413	799	215	35	62	09	3,036
Total	6,295	6,694	7,665	5,977	8,955	3,351	376	465	292	40,070

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OP & IP statistics (Unit-wise flow) (Aug' 2007 – Dec' 2020) Unclaimed (Cashless Transactions)

S. No.	Unit	Unclaims			
		OP unclaim	IP unclaim		Grand Total
		(New & repeat)	Total	Expired	OP&IP
1	Cardiology	98,913	6125	38	1,05,038
2	CT Surgery	20,176	854	25	21,030
3	Dermatology	2	0		2
4	Emergency Medicine	873	23		896
5	Endocrinology	14	3		17
6	ENT Surgery	20	8		28
7	General Medicine	45	0	9	45
8	General Surgery	9,158	168		9,326
9	Haematology	2	0		2
10	Medical Oncology	75,839	326	9	76,165
11	Nephrology	1,16,169	31	2	1,16,200
12	Neurology	8,054	14	10	8,068
13	Neurosurgery	12,668	352	16	13,020
14	Obstetrics	13	3		16
15	Ophthalmology	4	0		4
16	Plastic Surgery	303	36	01	339
17	Radiation Oncology	21,792	445	10	22,237
18	Rheumatology	5	0		5
19	Surgical Gastro	51,044	287	11	51,331
20	Surgical Oncology	25,503	219	01	25,722
21	TB & RD	5	0		5
22	Urology	36,184	188		36,372
	Grand Total	4,76,786	9,082	132	4,85,868

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Medical Management Cases conducted under Dr YSR Aarogyasri (Aug' 2007 – Dec' 2020)

Period	Cardiology	Nephrology	Medical oncology	Neurology	Eme. Medicine	Radiation oncology	Endocrinology	General medicine	Rheumatology	Anaesthesiology	Paediatrics	Tb & rd	Covid-19	Nuclear medicine	Sari cases	Ophthalmology	Dermatology	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
2020	2,316	5,599	3,722	1,214	20	1,952	95	584	03	05	02	--	5,074	16	715	01	04	21,322
Total	20,875	25,972	46,763	14,963	1,758	26,675	861	2,042	106	113	77	70	5,074	16	715	7	21	1,46,108

OP & IP Statistics (Unit-wise flow) (Aug' 2007 – Dec' 2020) – Claim

S. No.	Unit	Claims			
		IP		OP follow-up for medicines	Grand total
		Total	Expired		
1	Anesthesiology	113	16	0	113
2	C T surgery	6,300	583	8,516	14,816
3	Cardiology	20,855	512	31,782	52,637
4	Covid -19	5,074	976	0	5,074
5	Dermatology	21	0	1	22
6	Emergency Medicine	1,758	61	77	1,835
7	Endocrinology	858	2	6	864
8	ENT surgery	379	0	0	379
9	General Medicine	1,682	791	0	1,682
10	General Surgery	3,355	55	349	3,704
11	Medical Oncology	46,813	77	0	46,813
12	Nephrology	25,911	238	590	26,501
13	Neurology	14,960	792	14,018	28,978
14	Neurosurgery	6690	412	2,728	9,418
15	Nuclear Medicine	16	0	0	16
16	Obstetrics	467	0	0	467
17	Ophthalmology	7	0	0	7
18	Paediatrics	77	0	0	77
19	Plastic Surgery	292	2	0	292
20	Radiation Oncology	27,054	151	0	27,054
21	Rheumatology	106	0	0	106
22	SARI cases	715	286	0	715
23	Surgical Gastro.	8,960	383	207	9,167
24	Surgical Oncology	5,983	178	0	5,983
25	TB & RD	70	1	0	70
26	Urology	7,665	33	310	7,975
	Grand Total	1,86,181	5,549	58,584	2,44,765

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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 2020

S.No	Unit	New Admissions	Repeat Admissions	OP (N)	OP (R)	Total	Total Expired	Mortality Rate (%)
1	Anaesthesiology	0	0	0	0	0	0	0.00
2	Cardiology	11	0	0	0	11	1	9.09
3	C.T.Surgery	103	0	2	0	105	3	2.86
4	Endocrinology	3	0	0	0	3	1	33.33
5	G.Surgery	5	0	0	0	5	0	0.00
6	Haematology	0	0	0	0	0	0	0.00
7	Medicine	67	0	0	0	67	16	23.88
8	Medical Oncology	10	7	23	6	46	0	0.00
9	Neurology	85	0	0	0	85	5	5.88
10	Neurosurgery	207	0	1	0	208	1	0.48
11	Nephrology	107	133	0	0	240	11	4.58
12	Plastic Surgery	0	0	0	0	0	0	0.00
13	Radiation Oncology	252	0	30	0	282	2	0.71
14	Surgical GE.	42	0	11	0	53	9	16.98
15	Surgical Oncology	33	0	40	2	75	1	1.33
16	Urology	6	0	0	0	6	1	16.67
17	OBG	0	0	0	0	0	0	0.00
Patients referred from other hospitals								
18	BIRRD Hospital	2	0	0	0	2	0	0.00
19	SVRRGG Hospital	0	0	0	0	0	0	0.00
20	Govt. Maternity Hospital	2	0	0	0	2	1	50.00
	Total	935	140	107	8	1190	52	4.37

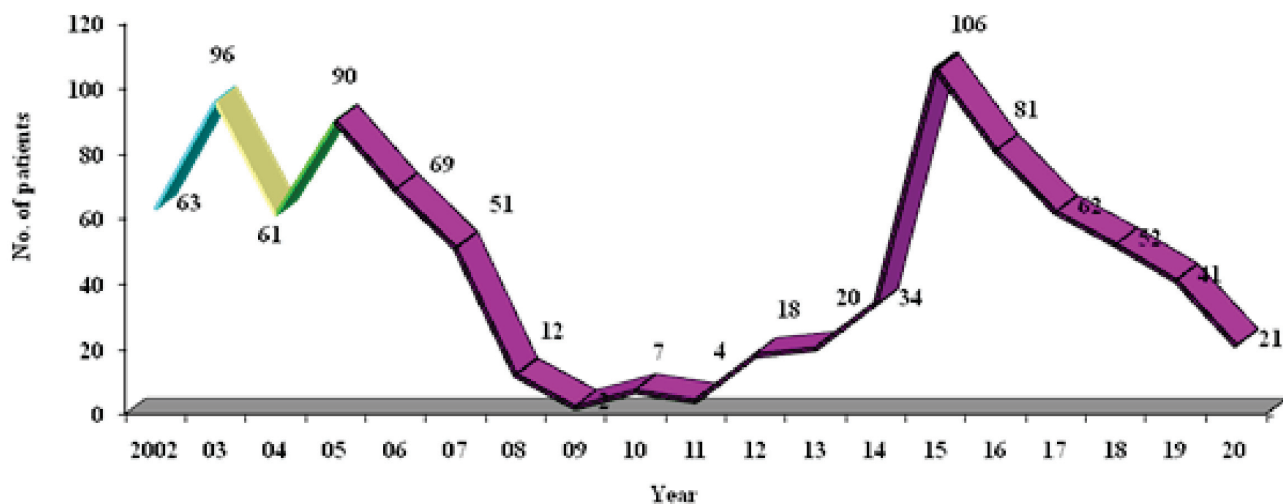
Sri Venkateswara Institute of Medical Sciences

No. of Patients benefited under Sri Venkateswara Pranadana Scheme (November 2001 – December 2020)

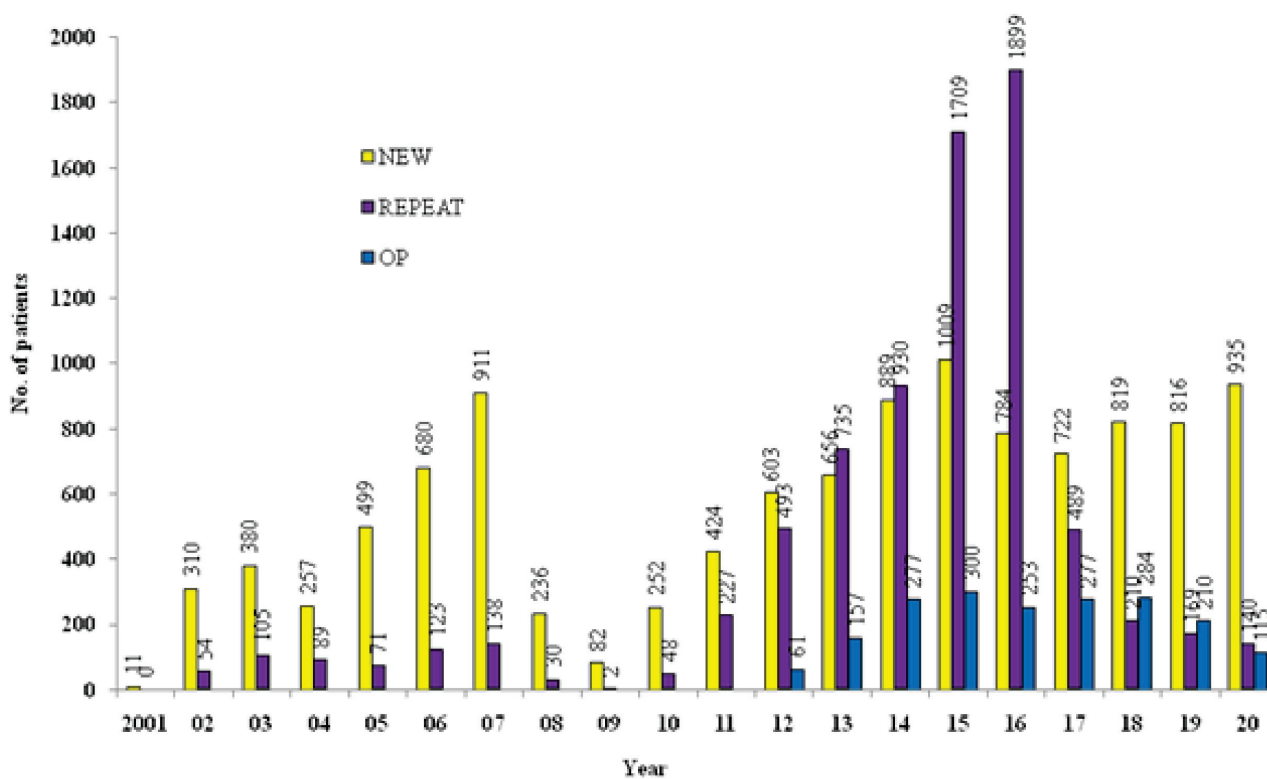
S.No	Unit	New Admissions	Repeat Admissions	OP (N)	OP (R)	Total	Total Expired	Mortality Rate (%)
1	Cardiology	1186	25	0	0	1211	7	0.58
2	C.T. Surgery	2273	119	41	1	2434	125	5.14
3	Endocrinology	3	0	0	0	3	1	33.33
4	Surgical G.E.	303	29	67	2	401	53	13.22
5	Urology	344	24	1	0	369	10	2.71
6	Nephrology	1405	2373	1	0	3779	125	3.31
7	Neurology	621	0	7	0	628	57	9.08
8	Neurosurgery	3818	96	4	1	3919	28	0.71
9	Oncology	337	4361	525	122	5345	9	0.17
10	Radiation Oncology	319	255	564	10	1148	2	0.17
11	Medicine	264	0	9	0	273	54	19.78
12	Maternity	96	0	0	0	96	23	23.96
13	G.Surgery	17	0	1	0	18	0	0.00
14	Surgical Oncology	192	0	551	27	770	12	1.56
15	Haematology	13	378	0	0	391	1	0.26
16	Anaesthesiology	26	0	0	0	26	3	11.54
17	Plastic Surgery	1	0	0	0	1	0	0.00
Patients referred from other hospitals								
18	BIRRD Hospital	44	1	0	0	45	1	2.22
19	SVRRGG Hospital	12	0	0	0	12	1	8.33
20	OBG	1	0	0	0	1	0	0.00
	Total	11275	7661	1771	163	20870	512	2.45

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Paediatric Pranadana cases (2002 - 2020)



Sri Venkateswara Pranadana cases (November 2001 – December 2020)

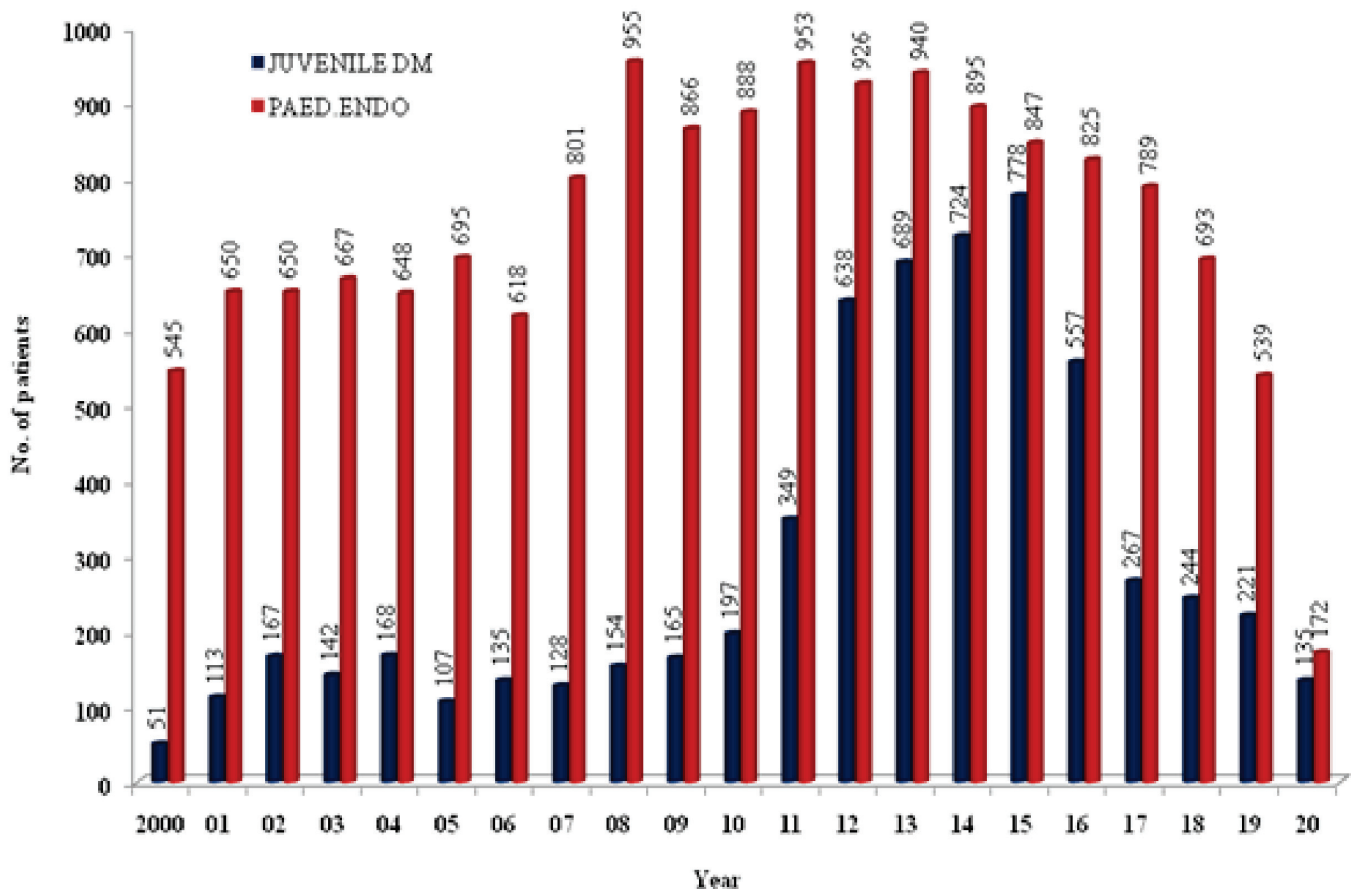


1.5 Juvenile diabetes camps:

The Department of Endocrinology, SVIMS started free Juvenile diabetes camps: on 2nd Saturday of each month from the year 2000 till December 2020, 539 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 Diabetic Cases

(2000 – 2020)



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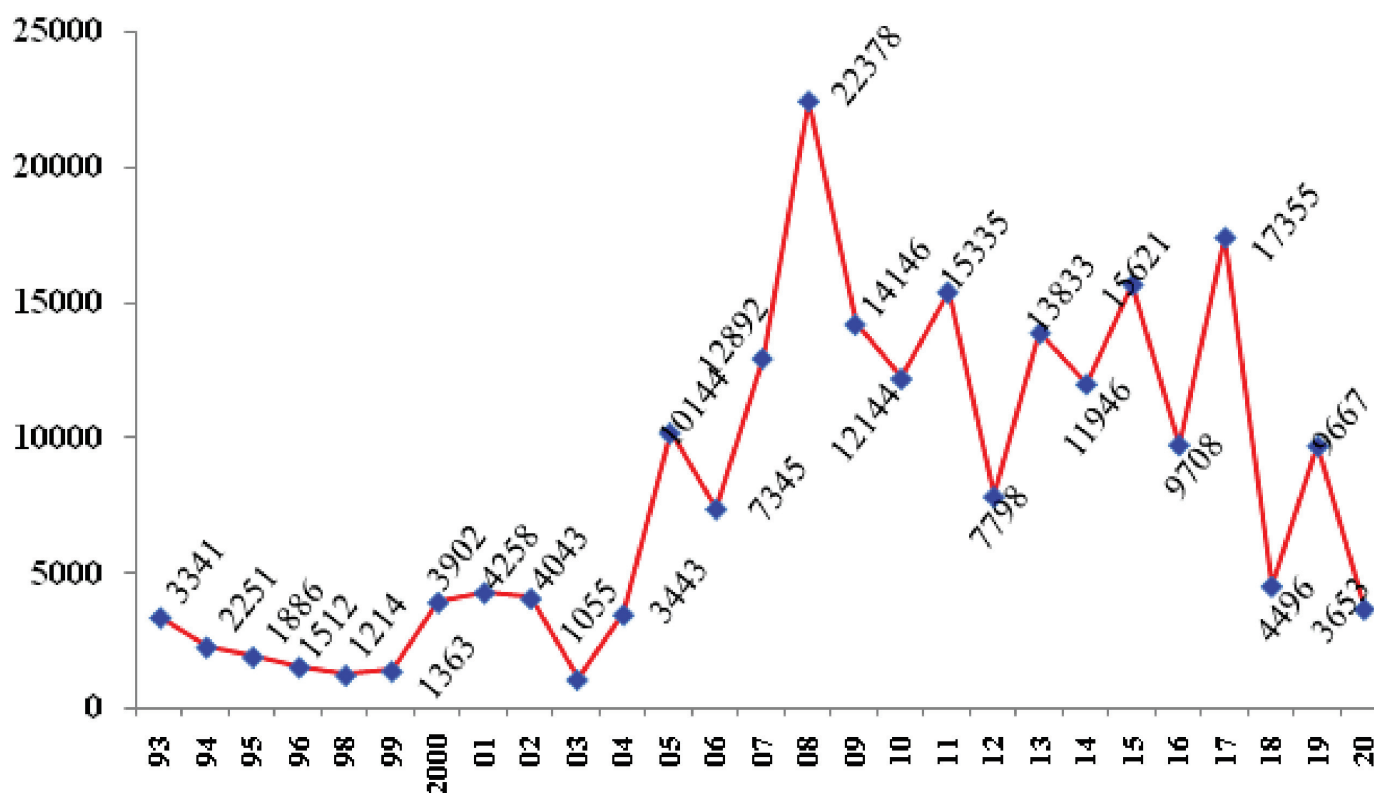
1.6 Rural health camps

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- 2020 is furnished below:

Rural Health Camps (1993-2020)

YEAR	GENERAL	ASHIS/ Dr.NTRVSS/ Dr.YSR	PINK BUS	TOTAL CAMPS	TOTAL
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
2020	0	3	21	24	3653
TOTAL	198	446	64	708	216729

**Rural Health Camps
(1993 - 2020)**



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 2020 are as follows:

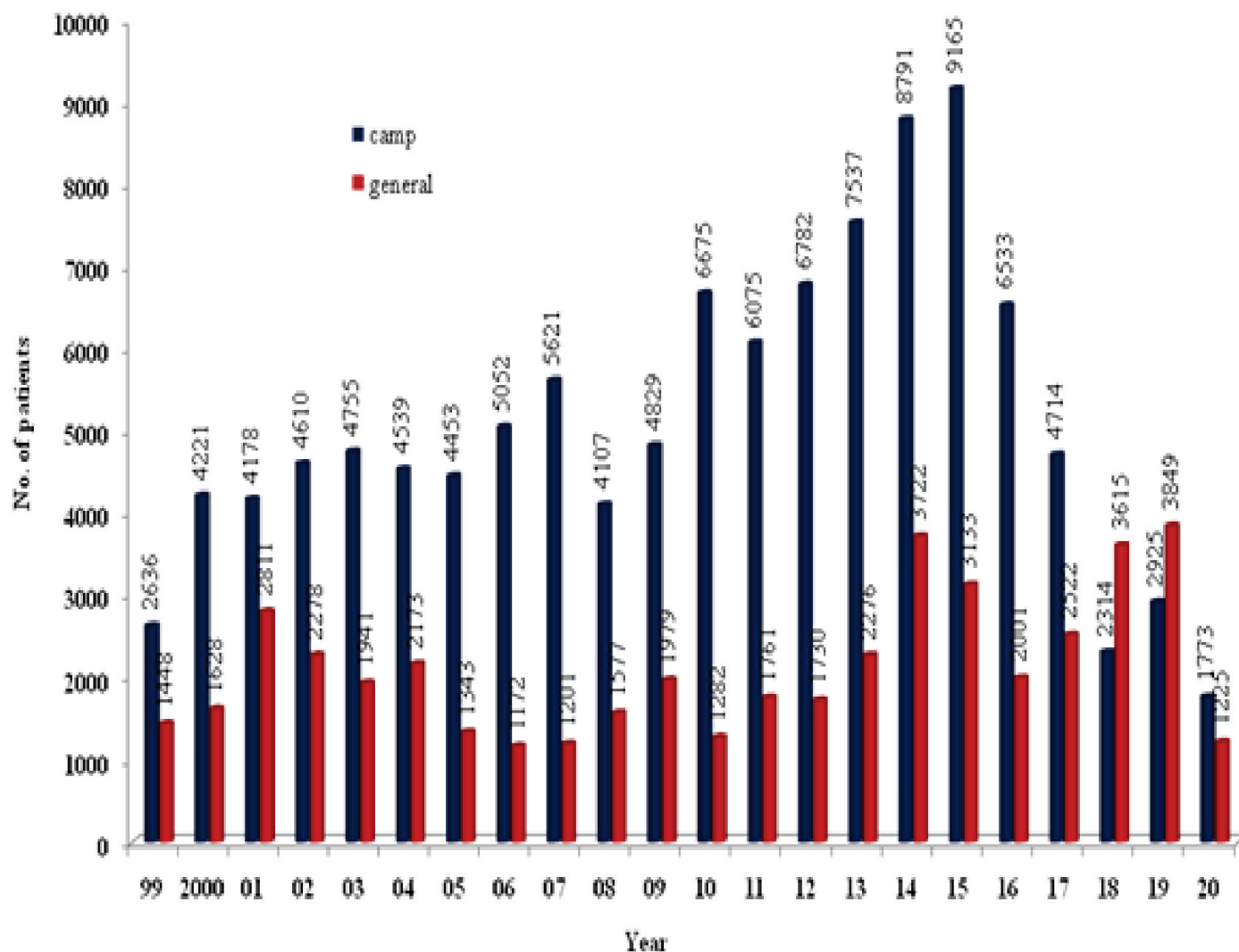
Medical Camps – 2020

S.No.	Camp	Day	No. of camps	No. of patients treated
1	Epilepsy Camps	3rd Sunday	8	1773
2	Diabetic Camps	2nd Sunday	8	840
3	Hypertension & PVC Camps	Last Sunday	7	1585
4	Juvenile Diabetic Camps	2nd Saturday	8	135
5	Well Baby Clinic	1st Sunday	3	9
6	Deafness	1st Sunday	1	1
7	Oral hygiene clinic	1st Sunday	1	2
8	Rural Camps		3	1254
9	Pink Bus		21	2399

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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 31.12.2020, 5200 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 31-12-2020, 69658 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 had a definite impact on the prevention and control of Health Care Associated Infections (HAIs). The committee meets once a month on the first Tuesday headed by Director-cum-VC. The committee reviews the monthly surveillance reports and receives suggestions and opinion from the personnel and implements corrective and preventive actions. One key component of ten pronged strategy in patient safety is 'Antimicrobial Stewardship', which aims to optimize antibiotic use among patients in order to reduce antibiotic resistance, improve patient outcomes and safety and ensure cost effective therapy. A pocket guide (1st edition) of "SVIMS Antimicrobial Stewardship" was released on 12.07.2016. This is revised 6 monthly and new editions are released every January and July to inform all health care personnel (doctors, nurses, and allied health staff) of pathogen surveillance, antimicrobial use, infection control measures and outcomes and the same will be uploaded in the

SVIMS website- Quality & Patient Safety- Health Care Associated Infections.

(ii) Infection Control Rate

Total Infection rate from January to November 2020 is ranging between 7.9 - 14.5 %. Average infection rates from HAIs for 2020 being 10.5%. In the year 2020, there had been marked reduction in overall Ventilator Associated Pneumonia (VAP) rate to 15.6/1000 ventilator days when compared to previous years. Total Catheter Associated Infection Rate (CAUTI) is maintained between 2.3-7.4/1000 catheterized days. Average Catheter Associated Infection Rate (CAUTI) for recovery room & ICUs was 6.9/1000 catheterized days. Central line Associated Infection Rate (CLABSI) varied between 0- 0.4/ 1000 central line days. Surgical Site Infection Rate (SSI) being 0 to 4.4/100 surgeries. A marked reduction in Multi Drug Resistance from 91% in January to 64.9% in November, 2020 was observed. Percentage of Methicillin Resistant Staphylococcus aureus (MRSA) was 60.2%. But there is an emergence of MRCONS attributing 54% of total drug resistance. Emergence of Imipenem resistance in month of January contributing 26% of total drug resistance is alarming and strict implementation of Standard precautions and antimicrobial stewardship programme (AMSP), there was a marked reduction in Imipenem resistance to 19.3% in November 2020. Standardized infection ratio (SIR-VAP)) was maintained at 0.5 to 0.7 and CAUTI SIR was maintained in between 0.1 to 0.26 from January to November 2020. Bundle care audit compliance for VAP, CAUTI and CLABSI being 87.2%, 88.2%, zero respectively.

Overall hand hygiene compliance for health care workers varying between 79.5- 85.7%. Needle stick injury incidence was approximately around 0.1 from January to November 2020.

(iii) Trends of Multi Drug Resistance

Prevalence of Multi drug resistance (MDR) from January to November 2020 was – 76.7%
Predominant isolates in intensive care units (ICU) were *Acinetobacter* followed by *Escherichia coli*, *Klebsiella*, *Enterobacter* and *Pseudomonas* spp. As per our local antibiogram, empirical choice of antibiotic in ICU's in our institute is Cefoperazone+sulbactam. In case of suspicion of *Pseudomonas* infections, empirical choice of antibiotic is Piperacillin+ Tazobactam. Based on Gram staining report, prophylactic drug of choice for Gram negative bacilli is Cefoperazone+sulbactam, and for Gram positive bacteria is Vancomycin in all ICU's depending on the department.

Percentage of Vancomycin Resistance Enterococci (VRE): 5.7%

Percentage of Methicillin resistance *Staphylococcus aureus* (MRSA): 60.2%,

Percentage of Methicillin resistance Coagulase negative *Staphylococcus* (MRCoNS): 54%,

Percentage of Vancomycin resistance *Staphylococcus aureus* (VRSA): Nil.

Percentage of Vancomycin resistance Coagulase negative *Staphylococcus* (VRCoNS): Nil.

- Most common Gram negative isolates were *Escherichia coli*, *Klebsiella* spp, *Acinetobacter* spp and *Pseudomonas* spp.
- *Escherichia coli* isolates were highly resistant to Cefazolin (89.8%), Ciprofloxacin(89.6%), Cotrimoxazole (63.4%) and sensitive to Amikacin (81%), Cefoperazone+sulbactam (84.9%), Gentamicin(75%), Piperacillin + tazobactam

(85.4%), Meropenem (97%) and Colistin/Polymyxin B (99.8%).

- *Klebsiellae* spp. isolates were highly resistant to Cefazolin (97.6%), Cotrimoxazole (87.8%), Ciprofloxacin (78.9%), Cefoperazone+sulbactam (50.7%), Amikacin (64.4%), Gentamicin (66%), Piperacillin +tazobactam (54.6%). All *Klebsiellae* spp were sensitive to Meropenem (69.2%) and Colistin/Polymyxin B(98.1%).
- *Acinetobacter* spp. isolates were highly resistant to Cefazolin (96%), Ciprofloxacin (75.4%), Cotrimoxazole (80.1%), Amikacin (57.7%), Gentamicin (55.9%), Piperacillin +tazobactam (68.2%), but sensitive to Cefoperazone+sulbactam (83.1%), Meropenem (59.6%) and Colistin/Polymyxin B (99%).
- *Pseudomonas* spp. isolates were highly resistant to Ciprofloxacin (88%), Ceftazidime (68%), ,Amikacin (60.8%), Gentamicin (77.6%),and sensitive to Piperacillin +tazobactam (76.8%), Cefoperazone+sulbactam (66.4%),Imipenem (55.2%)and Colistin/Polymyxin B(100%).
- Most of the Gram negative isolates were shown highly resistant to cephalosporins (74.35%), cotrimoxazole (65.65%), and ciprofloxacin (80%).
- On the other hand, Gram negative isolates were shown sensitivity to cefoperazone+sulbactam (77.4%), aminoglycosides (64.5%), Meropenem (83.8%), and Polymyxin B (99.2%).
- Screening of health care workers (HCW) for Methicillin resistance *Staphylococcus aureus* (MRSA) should be done as MRSA percentage was 60.2% & Methicillin resistance Coagulase negative *Staphylococcus* (MRCoNS) percentage was 54%, and these isolates were predominantly from

Emergency, General Surgery and Nephrology departments. HCW's were treated for the same. As percentage of Methicillin resistance being high, mandate recommendation for HCW's is to follow standard precautions (Hand Hygiene, Contact precautions) strictly.

- Staphylococcus aureus has show high resistance against Ciprofloxacin (90%), Erythromycin (68.8%), Clindamycin (56.9%), and Cotrimoxazole (49%).
- VRE (Vancomycin Resistance Enterococci) percentage was 5.7% and most of the isolates were reported from EMD followed by Nephrology departments.
- Imipenem resistance was noted high in Pseudomonas spp (44.8%) followed by Acinetobacter spp (40.4%), Klebsiellae spp (30.8%). So cautious prescription of carbapenems required.

Note: Empirical therapy should be reviewed once the culture and susceptibility results are ready (usually within 72 hours) and targeted therapy should be done whenever possible to give the narrowest spectrum antibiotic based on culture and sensitivity data, the site of infection and the clinical status of the patient.

(iv) Hand Hygiene Compliance

In 2020, we have achieved ranging between 79.5-85.7% hand hygiene compliance rates among a cross section of the hospital staff while worldwide the compliance rate is only about 40%. This shows our success in the control of Health Care Associated Infections. The implementation of various appropriate and effective infection control measures has reduced the overall antibiotic resistance of

various organisms. Vigilant surveillance of operation theaters, Dialysis theaters, ICUs and 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 review 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. B. Siddhartha Kumar 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 Pharmacovigilance committee (PVC) and Pharmacy and Therapeutics committee (PTC).

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Sl.No.	Nature of the meeting	Schedule
1	Grand Rounds Review meeting	Every Tuesday (9.30 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 to 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) SVIMS - Sri Padmavathi Medical College for Women Hospital (SPMCWH), designated as STATE COVID-19 hospital in Sri Venkateswara Institute of Medical Sciences (SVIMS) University campus, is fully prepared to face the pandemic.
- 2) Established IVR call and SMS reminder for dialysis patient appointment.



Sri Venkateswara Institute of
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Tirumala Tirupati Devasthanams



III. WORKSHOPS/CMES/CLINICAL MEETINGS/ CLINICO PATHOLOGICAL CORRELATION ORGANIZED AT SVIMS



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

1.0 Workshop & Conference:

1. The department of Surgical Oncology organized a Preconference workshop on 28.02.2020.

2.0 Guest Lectures:

1. Department of Director Office has organized a guest lecture by Dr Mohan Mallam, MD, FACP, CMD, Associate Medical Director, Kindred Hospice, Victorville, California, USA on topic: Selected Topics in Hospice Medicine (Board Review Questions) on 10th January 2020.
2. Department of Radio diagnosis has organized a guest lecture by Dr Asokan, Consultant Radiologist from ILLINOS, USA on topic: Point of care Ultrasound (POCUS) on 21st January 2020.

3.0 Conference :

1. The department of Biochemistry organized a AP AMBICON 2020 Annual State Conference of Association of Medical Biochemists of India conference on 29th & 30th December 2020.

4.0 CME Programme :

S.No	Topic	Speakers
1	Depts. of Physiology and Forensic Medicine on 11.01.2020, on the topic: Asphyxia – Pathophysiology & Medicolegal Aspects	
	Hypoxia & Types	Dr G. Sunil Naik, Assistant Professor, SVIMS, SPMC(W)
	Medicolegal Aspects of Asphyxia	Dr K. Bhaskar Reddy, Professor and Head, SVIMS, SPMC(W)
2	Depts. of Ent, Dentistry and Ophthalmology on 04.03.2020	
	Diagnosis and Management of secondary orbital deformities	Dr Anantanarayanan , MDS, DNB, MNAMS, MFDSRCPSGlas, FDSRCSED, FFDRCSI & Professor, Dept. of Oral & Maxillofacial surgery Meenakshiammal Dental College, Alappakkam, Maduravoyal, Chennai.
	Chronic Dacryocystitis	Dr. P. Prabhanjankumar (Assistant Professor), SVIMS, SPMC(W).
	Surgical Management of Chronic Dacryocystitis	Dr. S. B. Amarnath (Associate Professor), SVIMS, SPMC(W).
3	Depts. of Biochemistry, Endocrinology and Pharmacology on 14.03.2020	
	Overview of Mineral Metabolism	Dr M. Kusuma Kumari, Assistant Professor.
	Clinical Picture of osteoporosis	Dr Alok Sachan, Professor & Head.
	Primary, Secondary and tertiary prevention of osteoporosis	Dr Mani Deepthi, Assistant Professor
	Role of bisphosphonates in the management of osteoporosis	Dr Pallavi, Assistant Professor

5.0 Clinical Meetings 2020 :

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 2020 are furnished below:

S. No	Date	Research presentation (Saturday)/ Case Presentation (Thursday)			Spotters presentation (Saturday)/ Debate Presentation (Thursday)		
		Topic	Speaker	Department	Topic	Speaker	Department
1	02.01.2020 (Thursday)	-	-	-	Ethics in Nephrology	Dr. Sunnesh	Nephrology
2	04.01.2020 (Saturday)	Effect of frequent monitoring of Blood glucose on glycemic control among patients with Type 1 Diabetes Mellitus	Dr. Sandeep	Endocrinology	Spotter	Dr. R. Pravallika Sudharani	OBG
3	09.01.2020 (Thursday)	Myotonia	Dr. A. Sunitha	Neurology	-	-	-
4	11.01.2020 (Saturday)	Schwannoma of the nasal septum – A case report	Dr. V. Venkateswarlu	ENT	Spotter	Dr. C. Sai Praneeth	Surgical Oncology
5	16.01.2020 (Thursday)	-	-	-	Minimal Invasive TLIF Vs OLIF Surgery	Dr. Murali Krishna	Neurosurgery
6	18.01.2020 (Saturday)	Evaluation of Head injuries with skull fractures in Homicidal deaths	Dr. B. Rupesh Kumar Naik	Forensic Medicine	Spotter	Dr. P. Sindhu	Medical Oncology
7	23.01.2020 (Thursday)	Interesting case of Neuro – Endocrine Tumor	Dr. J. Sai Moulika	Nuclear Medicine	-	-	-
8	30.01.2020 (Thursday)	-	-	-	Pregnancy after sterile sation tubal recanalisation versus IVF	Dr. B. Akila & Dr Ayesha S	OBG

S. No	Date	Research presentation (Saturday)/ Case Presentation (Thursday)			Spotters presentation (Saturday)/ Debate Presentation (Thursday)		
		Topic	Speaker	Department	Topic	Speaker	Department
9	01.02.2020 (Saturday)	Intra – Operative Peri-Pancreatic fluid amylase concentration in predicting post – operative pancreatic fistula after pancreaticoduodenectomy	Dr. B. Sravanti	Surgical GE	Spotter	Dr. B. Keerthi	Ophthalmology
10	06.02.2020 (Thursday)	An interesting case of retroperitoneal mass	Dr. C. Sai Praneeth	Surgical Oncology	-	-	-
		Awareness on NABH Standards	Dr. K.V. Sreedhar Babu	-	-	-	-
11	08.02.2020 (Saturday)	Evaluation of Alvarado score in diagnosis of acute appendicitis	Dr. M. Uday Kiran	General Surgery	Spotter 8:35-8:45 am	Dr. A. Sreelakha	Pathology
-	-	-	-	-	8:45 - 9: 00 am	Awareness on NABH Standards	Dr. K.V. Sreedhar Babu
12	13.02.2020 (Thursday)	Role of Adjuvant chemotherapy in carcinoma rectum after neoadjuvant chemoradiation and surgery	Dr. M. Phaneendra & Dr. V. Sravan Kumar Reddy	Medical Oncology	-	-	-
		Awareness on NABH Standards	Dr. K.V. Sreedhar Babu	-	-	-	-
13	15.02.2020 (Saturday)	Management of Platelet Refractoriness	Dr. I.S. Chaitanya Kumar	Transfusion Medicine	Spotter	Dr. K.R. Subash Awareness on NABH Standards	Pharmacology Dr. K.V. Sreedhar Babu

S. No	Date	Research presentation (Saturday)/ Case Presentation (Thursday)				Spotters presentation (Saturday)/ Debate Presentation (Thursday)		
		Topic	Speaker	Department	Topic	Speaker	Department	
14	20.02.2020 (Thursday)	Bilateral Anterior Lenticonus	Dr. B. Keerthi	Ophthalmology	-	-	-	
		Awareness on NABH Standards	Dr. K.V. Sreedhar Babu	-	-	-	-	
15	22.02.2020 (Saturday)	Aetiology, Clinical presentation and outcome in patients with community acquired pneumonia requiring Hospitalization : A Prospective study”	Dr. V. Pradeep	Medicine	Spotter 08:40 to 08:50am	Dr. B. Sivanandh	Psychiatry	
16	-	-	-	-	08:50 to 09:00am	Awareness on NABH Standards	Dr. K.V. Sreedhar Babu	
	27.02.2020 (Thursday)	-	-	-	A Rare Pediatric Renal Tumor	Dr. G. Swyritha	Pathology	
17	05.03.2020 (Thursday)	Pharmacogenomics – The Promise of personalised medicine	Dr. K. Vijay Chandra Reddy	Pharmacology	-	-	-	
18	07.03.2020 (Saturday)	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	Dr. V. Harika	Microbiology	Spotter	Mrs K. Pujitha	Physiology	

S. No	Date	Research presentation (Saturday)/ Case Presentation (Thursday)				Spotters presentation (Saturday)/ Debate Presentation (Thursday)		
		Topic	Speaker	Department	Topic	Speaker	Department	
19	12.03.2020 (Thursday)				Euthanasia: Right to life Vs Right to Die	Dr. D Triveni	Psychiatry	
20	14.03.2020 (Saturday)	Nephrology post graduate training in peritoneal dialysis: An online survey	Dr. A Sunesh Reddy	Nephrology	Spotter	Dr. B. Suresh Babu	Transfusion Medicine	
		-	-	-		Nabh Meeting Trends of Health case associated infections and bundle care	Dr. Jayaprada & Dr N. Rama Krishna	
21	19.03.2020 (Thursday)	-	-	-	Short Term regulation of blood pressure	Dr. Arpana bhide Nabh Meeting Hand Hygiene Practices	Physiology Dr R. Jayaprada	

6.0 Clinical Pathological Correlation (CPC) :

The Academic programme on Clinico pathological Correlation (CPC) was introduced with effect from January , 2012 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 2020 are as given below:

S.No	Date	Topic	Discussant
1	25.01.2020	A 72-year-gentleman presented with history of fall in the bathroom and intertrochanteric fracture of right femur.	Dr B. Raghuram, Dept. of Cardiology
2	29.02.2020	3 year male Child with abdominal distension -15 days, pain in upper abdomen for 5 days.	Dr D. Uday kiran Dept. of General Surgery
3	31.10.2020	A-43 year Gentleman presented with history of weakness of upper and lower limbs and bedridden state for 15 days	Dr. N. Madhuvanthini Dept. of Medicine
4	28.11.2020	A78-year-old gentleman brought in an ambulance with bilateral thighs weakness and pain.	Dr. B. Naga Alekhya Dept. of Nephrology
5	26.12.2020	A 45years gentleman, government employee, hypertensive for 4 years, non-diabetic presented with chief complaints of 2 episodes of involuntary movements of all limbs followed by loss of consciousness 8weeks before.	Dr. A. Naga Sowmya Dept. of Emergency Medicine



Sri Venkateswara Institute of
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IV. RESEARCH ACTIVITIES



IV. Research Activities

1.0 Institute Finance

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. A study of microbiological profile and its antimicrobial susceptibility patterns related to central line-associated bloodstream infections in respiratory intensive care unit in a tertiary care hospital.

Ujesh S N, Jayaprada R, Ramakrishna N, Sharma KK, Rao MH, Samantaray A, Madhusudhan M.

J Clin Sci Res 2020;9:25-30.

Background: Complications associated with central venous catheter central line central line-associated bloodstream infections (CLABSI). **Methods:** We prospective by studied the microbiological profile and antimicrobial susceptibility patterns of isolated bacteria from CLABSI in respiratory intensive care unit at our a tertiary care teaching hospital in Tirupati, Andhra Pradesh. **Results:** Colonisers were isolated from 110 of the 288 samples without any growth in blood cultures from among 288 samples that were submitted with a clinical suspicion of sepsis from patients with eligible central line. Among these, *Staphylococcus aureus* was the predominant coloniser. Seventy-four were blood culture positive, of which 36 showed other sources of infection. In our study, CLABSI rate was 12.9/1000 catheterised days. Among these culture positives, predominant isolate was *S.*

aureus, followed by *Staphylococcus hominis*, *Acinetobacter*, *Klebsiella* and *Escherichia coli*. All the *S. aureus* strains were sensitive to linezolid, tetracycline and vancomycin. Among Gram-negative organisms, *Acinetobacter baumannii* and *E. coli* strains were 100% sensitive to polymyxin B and tigecycline. In our study, we have observed carbapenem resistance in *E. coli* and *A. baumannii*, which is alarming. Methicillin-resistant *S. aureus* accounted for 71.4% of *S. aureus* CLABSI. All *A. baumannii* ($n=6$), *Klebsiella* ($n=4$) and *E. coli* ($n=4$) isolates were extended spectrum beta-lactamase producers. **Conclusions:** Strict implementation of insertion and maintenance bundle care of the central lines is mandatory to prevent colonisation.

2. Epidemiology and outcome of acute kidney injury in patients presenting to emergency department – Our experience.

Satri V, Kumar V S, Satyanarayana V, Ramakrishna B S, Srinivasa Rao PL, Madhusudan M.

J Clin Sci Res 2020;9:77-81

Background: Compared to the developed world, the pattern of acute kidney injury (AKI) is different in tropics. The present study was undertaken to study the epidemiological profile and outcomes in AKI.

Methods: This prospective observational study was conducted in a tertiary care teaching hospital in South India. Demographic details, detailed medical history, aetiological factors, comorbid conditions, prognostic factors and outcomes were studied. Acute physiology and chronic health evaluation II (APACHE II) and sequential organ failure assessment (SOFA) scores were calculated at admission for every patient to know the prognosis.

Results: A total of 193 patients who fulfilled the inclusion criteria were enrolled in the study. Majority of the patients were in their sixth decade of life. The mean age was 52.1 ± 14.8 years (male:female = 1.7:1). Hypertension (41.5%; $n = 80$) and diabetes mellitus (33.7%; $n = 65$) were the most common comorbid illnesses in our patients. The average duration of hospital stay was 8 days. AKI was secondary to medical causes in 69.4% (134/193), surgical causes in 25.4% (49/193) and obstetric is 5.18% (10/193). Renal replacement therapy was required in 56.4% ($n = 109$) of the study population. The mortality rate observed in our study was 21.8% ($n = 42$). The mean APACHE II score and mean SOFA score were found to be significantly higher in the non survivors compared to the survivors.

Conclusions: Patients with AKI who have higher APACHE II or SOFA score should be carefully monitored and aggressively treated to reduce mortality.

3. Comparative evaluation of 2% lignocaine viscous gargling and intravenous lignocaine for insertion of laryngeal mask airway.

Rao M H, Chaitanya J, Subhadra PJ.

J Clin Sci Res 2020;9:31-6.

Background: Few studies have compared the efficacy of 2% lignocaine viscous gargling with intravenous lignocaine given prior to induction with propofol and fentanyl for laryngeal mask airway (LMA) insertion for minor-to-moderate elective surgeries. **Methods:** Sixty patients were randomized into two groups: Group V ($n = 30$) and Group I ($n = 30$). Group V patients gargled with 25 ml 2% lignocaine for 2 min in sitting position. Three minutes after gargling, they were preoxygenated in supine position and fentanyl (1 μ g/kg) was administered intravenously. In Group I, patients were preoxygenated and fentanyl (1 μ g/kg) and lignocaine (1.5 mg/kg) were simultaneously administered intravenously. Sixty seconds

after fentanyl, both the groups received propofol (2 mg/kg) intravenously over 30 s, and 90 s later, LMA insertion was attempted. Conditions of LMA insertion, SpO_2 and haemodynamic parameters, were recorded before and after the insertion of LMA at the end of the 1st, 2nd and 3rd min.

Results: Both the groups were comparable demographically. There was no statistically significant difference in terms of conditions of LMA insertion, haemodynamic parameters and duration of apnea between the groups. However, there was a statistically significant fall in systolic blood pressure, diastolic blood pressure and mean arterial pressure 1, 2 and 3 min after LMA insertion from baseline values within each group.

Conclusions: Both intravenous lignocaine and gargling with 2% viscous lignocaine were equally effective and safe adjuvants when administered before induction with propofol and fentanyl for providing adequate conditions for LMA insertion.

4. Comparison of the efficacy of epidural nalbuphine versus dexmedetomidine on the characteristics of spinal anaesthesia in patients undergoing lower limb orthopaedic surgeries: A prospective randomised, double-blind, placebo-controlled study.

Lakshmi E A, Subhadra PJ.

J Clin Sci Res 2020;9:82-8.

Background: Using adjuvants to local anaesthetic agents either intrathecally or epidurally is a common practice for achieving longer duration of a denser neuraxial block to provide adequate intraoperative conditions, for the length of the procedure. **Methods:** We compared the efficacy of epidural dexmedetomidine or nalbuphine on the characteristics of spinal anaesthesia in patients undergoing lower limb orthopaedic surgeries. Ninety patients were randomly allocated to three groups ($n = 30$ each). Group D received dexmedetomidine 1.5 μ g/kg diluted to 5 mL; Group N received nalbuphine 0.2 mg/kg diluted to 5 mL and Group S received 5 mL of normal saline epidurally 10 min before receiving subarachnoid block (SAB) with 0.5% heavy bupivacaine. **Results:** The three groups were comparable demographically and haemodynamically. Significantly shorter time for the onset of sensory and motor block (sec), longer duration of sensory and motor

blockade (min), higher sedation scores intraoperatively and postoperatively were observed in Group D compared to other two groups. VAS scores were lower in Group D for a significantly longer period postoperatively, at 60 min, 120 min and 180 min than in other two groups ($P < 0.05$).

Conclusions: Both dexmedetomidine and nalbuphine were found to be useful and safe epidural adjuvants when given prior to SAB. Dexmedetomidine was found to be a better choice of epidural adjuvant when compared to nalbuphine in terms of earlier onset and longer duration of both sensory and motor block, longer post-operative analgesia and useful intraoperative sedation.

5. Comparison of intravenous tramadol and intravenous ketamine for the prevention of post-anaesthetic shivering.

Sriranganath T, Radhapuram SD, Rao MH, Shameem S, Samantaray A, Dharaniprasad G.

J Clin Sci Res 2020;9:94-100.

Background: Following general anaesthesia, post-operative shivering, apart from its physiological and haemodynamic effects, has been described as even worse than surgical pain. **Methods:** After ethical committee approval and informed consent, ninety patients were subjected to study. They were randomly divided into three groups. Just after intrathecal bupivacaine injection, all patients received prophylactically intravenous drug as normal saline (Group C, $n = 30$) or ketamine 0.5 mg/kg (Group K, $n = 30$) or tramadol 2 mg/kg (Group T, $n = 30$) for shivering. The incidence and degree of shivering and the effectiveness and side effects of ketamine and tramadol in preventing shivering during the post-operative period were recorded. **Results:** We compared the efficacy of tramadol and ketamine in the prevention of post-anaesthetic shivering in patients undergoing surgery under GA. The incidence of post-anaesthetic shivering was significantly less with tramadol and ketamine as compared to that of the control group ($P < 0.01$). Tramadol and ketamine were equally effective in controlling the severity of shivering as compared to that of the control group ($P = NS$). The prevention of shivering was comparable in the tramadol and ketamine groups ($P > 0.05$). Patients in the ketamine group had statistically significant sedation at 20 and 30 min compared to the tramadol and control groups ($P <$

0.05). In this study, we can assume that both intravenous tramadol 2 mg/kg and intravenous ketamine 0.5 mg/kg are highly effective and comparable in the prevention of post-anaesthetic shivering and the possible mechanisms is by lowering of shivering threshold.

6. Red Cell Distribution Width as a Severity Marker on the Outcome of Patients with Acute Kidney Injury on Renal Replacement Therapy.

Nanjarapalle S, Samantaray A, Vishnubhotla S.

Indian J Crit Care Med 2020;24:95-8

Background: Acute kidney injury (AKI) requiring dialysis is associated with high mortality and morbidity. Red blood cell distribution width (RDW) has been shown as a predictor of mortality in different subsets of patients admitted to intensive care unit (ICU). This study compares the predictive ability of RDW and other severity illness prognostic models on 30 days mortality in adult patients admitted to ICUs with AKI necessitating dialysis.

Materials and methods: Thirty patients were evaluated using five different prognostic scoring models. Sequential organ failure assessment (SOFA) score, acute tubular necrosis-individual severity index (ATN-ISI), version II of acute physiology and chronic health evaluation (APACHE II), vasoactive-inotropic score (VIS), version II of simplified acute physiology score (SAPS II), and RDW as a marker were used to prognosticate the severity of illness. The scores were calculated using the values of clinical and laboratory parameters at the time of admission.

Results: The prognostic abilities of the scores were compared for their discriminatory power using receiver-operating characteristic (ROC) curves. The area under the ROC curve (AROC) of RDW was 0.904, SOFA score was 0.828, ATN-ISI was 0.743, SAPS was 0.857, and APACHE II score was 0.828. Vasoactive-inotropic score has the lowest discriminatory power with AROC of 0.487. Red blood cell distribution width has a strong and significant correlation with APACHE II and SOFA scores and a weak relation with ATN-ISI score and SAPS II. **Conclusion:** Red blood cell distribution width has a better predictive ability than other disease severity scoring systems to predict mortality in an adult AKI patient admitted to ICU with need for renal replacement therapy (RRT).

7. Morphometric study of Orbit in skull bones: Direct Measurement study.

Sreekanth C Lattupalli Hema

Indian J Anat 2020;9:45-53.

The essential segments of the skeleton are the human skull and cranium which have received significant attention in forensic research especially in the analysis of ethno racial relationship. The features within it (example orbit) may give further insight into the understanding of the craniofacial anthropometry. Understanding the structural disposition of the human body is aided by the advances in medical imaging techniques such as radiography, MRI, CT scan etc. But direct measurement on dry skulls is a more natural perspective in assessing the orbital cavities. Conclusion: Periorbital and facial injuries are mainly caused by assaults and falls and at times may involve the forehead. Such injuries necessitate cranial and orbital reconstructions to correct both esthetic and functional deficits. Care must be taken to prevent damage to the neurovascular structures contained in the orbit or within its walls. In order to achieve this, the surgeon needs to have a proper understanding of the human orbital structure, its relationship with both intra- and extra cranial structures, and associated key surgical and anatomical landmarks.

8. Study on the Nutrient Foramen of Long Bones of Upper Limb

Chakka Sreekanth, Lattupalli Hema.

Indian J Anat 2020;9:9-15.

The success of any transplant lies in the surgeons ability to preserve its vascular supply and its rapid reconstruction, especially in free vascularized bone grafts, which preserve viability of osteocytes, act as a space filler and introduce an vascular bed for the reconstruction of defects following trauma, tumour resection, congenital pseudoarthrosis and any cases of difficult non-union bones. **Aims and Objectives:** The aim of the present study is to: 1. To determine the number and position of the nutrient foramina in the upper and lower limb long bones. 2. To determine the location and direction of nutrient canal. 3. To determine whether the nutrient foramina obey the general rule that is directed away from the growing end of long bone.

Materials and Methods: The present study is carried out on 150 human cleaned and dried bones of the Upper limb. The samples were taken from Narayana Medical College, Chinthareddypalem, Nellore and Sri Padmavathi College (SVIMS), Tirupathi of Andhra Pradesh. The long bones included for the study was as follows: Humeri – 50, Radii – 50, Ulnae – 50. All the bones that were taken for the study were normal and had no pathological changes were present. The age and the sex of the bone were unknown. In all these bones after determining the side of bone, the “Nutrient Foramen” were studied in regards with: 1. The number of foramina on the shaft of the bone; 2. Surface on which it was located; 3. Direction from growing end; 4. Location in relation with length of the shaft. Observations and Results: Total 150 long bones of upper limb of right and left side of unknown age and sex were taken for the study. The parameters studied were depending on the number of nutrient foramina, direction of foramina and their distribution at various levels. The results and observations of the study are presented as tables.

Conclusions: Importance of nutrient foramen is relevant to fracture treatment. Combined periosteal and medullary blood supply to the bone cortex help to explain the success of nailing of long bones fractures particularly in the weight bearing like femur and tibia uses of vascularized fibula bone in bony defects due to trauma. Currently, the detailed study of blood supply to long bone is a determining factor for the success of newer techniques and resection in orthopedics.

9. Quantitative analysis of Morphometric variations of human spleen –A cadaveric study.

Srivani D, Sreekanth C, Prathiba K, Lalitha Kumari M K.

Indian J Clin Anat Physiol 2020;7:1-6

Introduction: The spleen is a largest collection of lymphoid tissue with diverse hemopoietic and phagocytic function. Recent experimental data have clearly defined immunological functions of spleen in innate and adaptive immunity, as a frontline of host defense against various infections. A comprehensive knowledge of splenic anatomical variations and morphometric dimensions is crucial in deciphering the role of spleen in health & infirmity. **Aim:** The aim of the study is to perform detailed morphometric analysis human splenic specimens with

relation to age & gender differences and compare the findings with earlier studies. **Materials and Methods:** The present study included 40 cadaveric spleen and morphometric features i.e., length, breadth, width and weight of spleen were measured. **Results:** The average splenic weight observed was 178.5 gm and range was 100 to 300 gm. The average length, breadth and width of spleen were 11.9 cm, 7.33 cm and 3.4 cm respectively. The average splenic volume in the present study was 167.27 cc. There was a significant increase in splenic volume till 40-49 years followed by steady decline. **Conclusion:** The awareness of the morphology and dimensions of the spleen is of fundamental importance to the hematologists, clinicians, radiologists, prosectors and surgeons while performing surgical procedures on spleen

10. A study on ossified carotico clinoid ligament in Human skull in Rayalaseema zone.

Prathiba K, Lalitha Kumari MK, Sreekanth C, Srivani D.

IOSR-JDMS 2020;19:30-3.

Introduction: Anomalous presence or absence, agenesis or multiplications of these foramina's are of interest in human skulls, in order to achieve better comprehension of neurovascular content through them. Ligaments bridging the notches sometimes ossify which may lead to compression of the structures passing through foramina's thereby they may have significant clinical signs and symptoms. Presence of carotico-clinoid foramen is the result of ossification of either carotico-clinoid ligament or of dural fold extending between anterior and middle clinoid processes of sphenoid bone. **Materials and methods:** The study was done in 50 adult dry human skulls collected from Sri Padmavathi Medical College for Women, SVIMS, Tirupati and S.V. Medical college and S.V University (Anthropology department). **Results:** In 100 adult dry human skulls, 12 skulls of unknown sex showed "Ossified carotico-clinoid ligament" out of which 7 were on the left side and 5 were on right. **Conclusion:** The study is important to know the Bony bar bridging carotico-clinoid notch connecting both the clinoid processes which can compress internal carotid artery deep to it and compression of adjacent structures producing neurological symptoms.

11. Study of Anatomical Variations of Number of pulmonary veine and its clinical significance.

Lalitha Kumari M K, Srivani D, Vinayaka Nayak I, Sreekanth C, Prathiba K.

Int Nat J Contemporar Medical Res 2020;7:C1-3

Introduction: The pulmonary veins play an important role in the pulmonary circulation by receiving oxygenated blood from the Lungs and delivering it to the left atrium. Pulmonary vein anatomy piqued curiosity of researchers off late after the discovery of its role in genesis of atrial arrhythmias and increased incidence of pulmonary hypertension in COPD. The congenital variations in number of pulmonary veins and their drainage patterns, encompass a wide spectrum of anomalies and are not uncommon in general population. The aim of the study was to observe the variations in the number of pulmonary veins and pulmonary ostia. **Material and Methods:** The present study was done on 25 formalin fixed hearts aged 18-70 years, obtained from the department of anatomy, Sri Padmavathi Medical College for women, Tirupathi. These hearts were observed for the number of pulmonary veins, their drainage into left atrium, variations in pulmonary ostia on right and left sides and were compared with previous studies. **Results:** Out of the 25 specimens studied, 23 hearts (92%) had normal pattern of four pulmonary veins, two from each lung extending to the left atrium and opening into it via two separate pulmonary Ostia, on either side. In 2 (8%) out of 25 specimens, variations in the number of pulmonary veins and the pulmonary Ostia were observed. **Conclusion:** The awareness of the variant anatomy of pulmonary veins and their drainage is of paramount importance to Radiologists, Electro physiologist and Cardio thoracic surgeons while performing surgical procedures on Heart.

12. A Study on Morphometric Dimensions of Human Fetal Spleen at Different Gestational ages.

Srivani, Sofia P, Jayachandra pillai J.

Academia anatomica Int Nat 2020;6:10-4.

Introduction: The spleen is the largest hemolymphatic organ of the human body that plays a significant role in

Hematopoiesis and immune phagocytosis. Recent studies have emphasized the importance of spleen as hematopoietic organ in fetal period, role in synthesis of immunoglobulins & defense of human body against infections. A thorough knowledge of splenic morphometry and dimensions is vital in comprehending the development of spleen in fetal period. **Aim:** The aim of the study is to study detailed Morphometric analysis human fetal splenic specimens of various gestational ages and compare the findings with earlier studies **Subjects and Methods:** The present study included 40 fetal cadaveric spleen and morphometric features i.e., length, breadth, width and weight of spleen were measured. **Results:** The average weight of the fetal spleen was 1.98 gm and varied from 0.1 to 5.1 gm. The average length, breadth and width of spleen in prenatal group were 2.21 cm, 1.39 cm and 0.645 cm respectively. In the present study the average weight of the fetal spleen was 1.98 gm and varied from 0.1 to 5.1 gm. There was statistically significant increase in splenic weight till 33 weeks. **Conclusion:** Knowledge of spleen size at different gestational ages will help in early detection and diagnosis of splenic anomalies, identifying congenital malformations, early diagnosis and prompt treatment of intrauterine infections.

13. A Study on Nutrient Foramina of Dry Humerus in Adult Human Cadavers in Rayalaseema Region.

Jagadeesh Babu D, Venkata Ramulu M, Sunil Kumar U, Vinayaka Naik I.

IOSR J Dental Med Sci 2020;19:1-6.

Introduction: Nutrient foramina are the openings in the bone which leads into the canal of medullary cavity through which blood vessels pass through and provide nutrition for the bone. Nutrient artery which is the major source of blood supply for the bone during the growth and development. **Materials & Methods:** The present study was conducted on 91 adult humerii, damaged and pathologically deformed bones were excluded from the study. The number, direction and location of nutrient foramen were observed with the help of a hand lens. Total length of the humerus and the distance of the nutrient foramen from its upper end, number and size of the nutrient foramina. Location of the nutrient foramen with respect to

the surfaces, zones and the foramen index. **Results:** Out of 91 humerii, 50 were right sided and 41 were left sided in which 81 bones showed single nutrient foramina (89.01%) and 10 bones showed double nutrient foramina (10.98%) and no bones showed absent nutrient foramina. All the bones showed nutrient foramina in the middle third on Antero medial surface and the bones with double nutrient foramina showed secondary foramen on posterior surface. All the nutrient foramen are observed in the middle third of the bone which is calculated by foramen index. **Conclusion:** It is important clinically as number of fracture cases due to various causes and also importance in bone reduction and grafting techniques.

14. A Study on Thyroid Profile in Females with Depression in Rayalaseema Region.

Jayapriya T, Vinayaka Naik I.

IOSR J Dent Med Sci 2020;19:9-14.

Aim: Aim of the study is to see for the thyroid function (T3, T4, TSH), Lipid patterns and glycemic control in females newly diagnosed with depression attending Psychiatry Department, (I.P&O.P) Sri Venkateswara Medical College, Tirupati and compare them to the levels in normal females without depression. **Objectives:** To estimate serum levels of TSH, T3, T4 (Thyroid profile) in females newly diagnosed with depression and to estimate serum levels of TSH, T3, T4 (Thyroid profile), in age matched females without depression. To Compare the serum levels of TSH, T3, T4 (Thyroid profile) in females newly diagnosed with depression to that of normal females. **Material and Methods:** study subjects were selected from Psychiatry department, SVRRGH and study were conducted in department of Biochemistry. Two groups of subjects 50 each as group 1(cases) and group 2 (controls) were selected based on inclusion and exclusion criteria. Results of cases are compared with that of controls and are tabulated. **Conclusion:** study may be useful in understanding the risk factors of depression and this forms an area for the research work which if detected early can be managed accordingly and may prevent the morbidity and mortality due to mood disorders like depression.

15. Incidence of Pyramidal Lobe And Levator Glandulae Thyroideae Of Thyroid Gland In Adult Cadavers: A Morphological Study With Its Surgical Perspective.

Kishorenaick D, Thyagaraju K.

Int J Anat Res 2020;8:7458-62.

Background: Thyroid gland a brownish red, highly vascular endocrine gland consisting of two lateral lobes connected by an isthmus. It lies in front of the second, third and fourth tracheal rings. It is one of the commonest glands well known for its developmental anomalies, ranging from common to rare ones. The thyroid surgeon must have full knowledge of the anatomy of the thyroid gland, including all of its embryological, congenital, or acquired variations. Levator glandulae thyroideae (LGT), the persistent part of thyroglossal duct (fibromusculoglandular) stretches from the pyramidal lobe or upper border of isthmus of thyroid gland to the body of the hyoid bone, usually on the left side. Presence of the pyramidal lobe (thyroid tissue remnant of embryological origin located in the pretracheal region between the isthmus and the hyoid bone), may impact completeness of thyroidectomy. These variations will help the surgeons in planning thyroid surgeries in a better and safe way.

Materials and Observations: Dissection was carried out routinely in 34 cadavers of both sexes in which 2 cadavers presented with LGT. In one cadaver LGT was extending from the left lobe of thyroid gland to hyoid bone. In the other cadaver in addition to the LGT, abnormal extent of the pyramidal lobe (PL). Thus accounting for an incidence of 5.80% variation, both the variations were noted in one male and one female cadavers. **Conclusion:** In the present study occurrence of thyroid anomalies (morphological variations) such as pyramidal lobes along with LGT is vital, while dealing with thyroid surgeries in the neck region to avoid iatrogenic injuries during complete removal of the gland tissue. Knowledge of embryology of thyroid gland is vital as complex underlying embryology produces substantial anatomic variations both in thyroid bed and elsewhere in the neck and mediastinum.

16. Knowledge, awareness, and practices (kap) among health science students and primary health care physicians regarding updated guidelines towards Covid-19 pandemic infection in Andhra Pradesh: a cross sectional study.

Kishore Naick D, Manoharan Haripriya.

Int J Intg Med Sci 2020;7:905-13.

Background: In 2019, a novel virus belonging to the coronavirus (CoV) family, SARS-CoV-2, emerged in Wuhan, China's Hubei province. This was first reported to the WHO Country Office in China at the end of that year and is now known as COVID -19. Although this is a new strain, related coronaviruses can cause illnesses ranging from the common cold to more severe diseases such as SARS and MERS as per the literature. The clinical presentation is generally that of a respiratory infection with a symptom severity ranging from a mild common cold-like illness, to a severe viral pneumonia leading to acute respiratory distress syndrome that is potentially fatal. Aim

and Objective of the study: Unprecedented measures have been espoused to control the rapid spread of the enduring COVID-19 epidemic in Andhra Pradesh. Health science students and primary health care physician's adherence to control measures is prejudiced by their knowledge, attitudes, and practices (KAP) towards COVID-19. The battle against COVID-19 is continuing in India. To guarantee the final success, public adherence to these control measures are vital, which is mostly pretentious by their knowledge, Awareness, and practices (KAP) towards COVID-19 in accordance with KAP theory. **Materials and**

Methods: A cross sectional study is designed to include health sciences students and primary health care physicians in Andhra Pradesh state. An interview questionnaire has been designed to assess Knowledge, Awareness and Practices of health sciences students and primary health care physicians, regarding COVID -19. **Results and Discussion:** All the registered study participants after giving their consent, completed the questionnaire perfectly. Regarding the Sociodemographic characteristics, out of 243, Male 79 (32.5), Female 164 (67.5) in Gender. Majority of the study participants 128 (52.7%) were from Allied Health Science background, 95 (39.1%) medicine background 10 (4.1%) and others 10 (4.1%). Knowledge variables, Type of Locality and Educational qualifications

variables, Awareness variable and Practices variables i.e., Occupation variable unvarying with demographics using Multiple linear regression endured significant. Educational qualifications variables and Monthly income wise most of the study participants are students 208.

17. Efficacy of oral rosuvastatin intervention on HDL and its associated proteins in men with type 2 diabetes mellitus.

Naresh S, Bitla AR, Rao PVLNS, Sachan A, Amancharla YL.

Endocrine 2020;70:662.

Purpose: High-density lipoprotein (HDL) undergoes structural and functional modification in patients with type 2 diabetes mellitus (T2DM). There are limited data on effect of rosuvastatin on HDL-associated proteins and the antiatherogenic effects of rosuvastatin. The present study intended to study the efficacy of rosuvastatin intervention on HDL-associated proteins and its other antiatherogenic effects in men with T2DM. **Methods:** Men with T2DM on oral antidiabetic treatment, with LDL-C levels > 75 mg/dL and willing for rosuvastatin intervention (20 mg/day orally for a period of 12 weeks), were included. Fasting glucose, lipid profile were measured using standard methods. Oxidized low-density lipoprotein (oxLDL), oxidized HDL (oxHDL), paraoxonase-1 (PON-1), tumour necrosis factor- α (TNF- α) and lecithin:cholesterol acyltransferase (LCAT) in serum were measured by ELISA; serum myeloperoxidase (MPO) by spectrophotometric method and cholesterol efflux by fluorometric assay. Carotid intima-media thickness (cIMT) measurement to assess vascular health status was done using doppler. **Results:** Rosuvastatin produced a significant decrease ($p < 0.05$) in lipids (total cholesterol, triglycerides, LDL-C); oxidative stress (oxLDL, oxHDL, MPO); inflammation (TNF- α); LCAT concentration; cIMT; significant increase in antiatherogenic HDL and cholesterol efflux ($p < 0.05$) and no change in apoA-I levels from baseline to 12 weeks of follow-up. A decrease in MPO activity was found to be independently associated with an increase in cholesterol efflux. **Conclusions:** Post intervention there is a quantitative and qualitative improvement in HDL, which helps in its reverse cholesterol

transport (RCT) and antioxidant functions. Improvement in HDL functions and suppression of inflammation by rosuvastatin lead to regression in cIMT, which is beneficial in decreasing the progression of cardiovascular disease (CVD) in men with diabetes.

18. Plasma osteopontin levels in patients with acute kidney injury requiring dialysis: a study in a tertiary care institute in South India.

Varalakshmi B, Kiranmayi VS, Aparna B, Ram R, Rao PVLNS, Kumar VS.

Int Urol Nephrol 2020;52:917;21.

Purpose: Osteopontin (OPN) is evolving as a novel biomarker of injury, overall survival and renal outcome in critically ill patients with acute kidney injury (AKI), requiring renal replacement therapy. **Methods:** We performed a prospective study on 35 consecutive patients of acute kidney injury requiring renal replacement therapy (AKIN stage 3). OPN levels were measured in the patients and in the controls. The relation between OPN and the severity of illness and its effect on the AKI and renal outcome were studied. **Results:** There was a statistically significant elevation of OPN in patients of AKIN stage 3 in comparison to healthy controls ($p=0.001$). The Sequential Organ Function Assessment (SOFA) scores were found to be higher in septic group in comparison to non-septic group and it was statistically significant ($p=0.014$). There was significant correlation between SOFA scoring and OPN levels suggesting its association with severity ($r=0.382$, $p=0.023$). **Conclusions:** In our study, OPN was found to be a valuable marker of severity of injury, its association with sepsis and renal recovery, in patients with acute kidney injury needing renal replacement therapy.

19. Assessment of Reference Range of Serum Homocysteine from the Post-therapy Values of Cobalamin and Folate Deficiency Patients.

Chandrasekhar C, Kiranmayi VS, Pasupuleti SK, Sarma KV, Sarma PV.

J Assoc Physicians India 2020;68:36-42.

Objectives: Ideally, the upper reference limit of plasma or serum homocysteine (Hcy) is to be defined from the studies done on individuals with normal cobalamin and folate status. It is difficult to separate the truly healthy (Cobalamin/Folate Replete) individuals from the randomly selected, apparently healthy individuals who are sub-clinically deficient of cobalamin/folate. The present study was aimed at defining the reference values for the serum homocysteine from individuals with normalized cobalamin and folate status. **Methods:** In our study, 215 patients with cobalamin, folic acid deficiency were treated accordingly till complete restoration of clinical and laboratory abnormalities. The post-therapy serum Hcy values were used as reference values. **Results:** Post-therapy serum Hcy values 12.56 $\mu\text{mol/L}$ (95th percentile), 11.4 $\mu\text{mol/L}$ (85th percentile), 9.8 $\mu\text{mol/L}$ (67th percentile) were seen. The hyperhomocysteinemia was more visible (17.3% gain in prevalence) in the same patient group if interpreted using the post-therapy Hcy value (11.4 $\mu\text{mol/L}$) as the cut-off. There was no difference between the genders and age groups in the pre or post-therapy Hcy values. **Conclusions:** The benefit of the gain in prevalence of disease or the increase in the sensitivity of the test, though small, gets magnified in common diseases and in populous countries. Selection of the individuals is as important as the method or the reagent used in the method when a particular parameter is studied. Repleting the vitamin stores in the confirmed vitamin-deficient patients is more appropriate and easily feasible, since anyway they require treatment, than doing the same on the apparently healthy people. The data thus obtained can be better used as the reference value, for a more meaningful interpretation. The reference range can in turn be used to identify the sub-clinically deficient but asymptomatic people and managed accordingly.

20. Comparison of two methods for the measurement of serum chloride.

Thej M K, Bitla AR.

J Clin Sci Res 2020;9:89-93.

Background: Discrepancies in electrolyte concentration, namely sodium and potassium using the direct and indirect ion selective electrode (ISE) methods have been described. The present study was taken up to compare serum chloride

values obtained using the direct and indirect ISE methods.

Methods: Serum chloride measurement was done in residual samples received in the clinical laboratory using direct ISE method and indirect ISE method. Imprecision, accuracy and comparability of the methods were studied as per the Clinical and Laboratory Standards Institute EPA guidelines. The American Clinical Laboratory Improvement Amendments (CLIA) guideline of acceptability of target $\pm 5\%$ was considered as the quality goal. **Results:** Both the methods had acceptable imprecision and inaccuracy of $< 5\%$. Good agreement between the two methods was seen as assessed using Bland–Altman plot and Passing–Bablok regression analysis with a correlation coefficient of 0.9838. A significant difference in serum chloride levels measured in patient samples covering the entire analytical range was observed ($P < 0.001$), with the results of serum chloride by indirect ISE being lower compared to the direct ISE method. The difference between the two methods was below the target $\pm 5\%$ and thus met the CLIA guidelines. **Conclusions:** The findings of the present study show that serum chloride estimation using direct ISE and indirect ISE methods are comparable.

21. Effect of COVID-19 crisis on medical students.

Sasikala T, Sahoo S, Lakshmana N.

Int J Res Med Sci 2020;8:2714-5.

COVID-19 pandemic demands and pressures that medical students face mental, physical and spiritual well being can be compromised. Hence this review highlights the beneficial targets to improve mental health in medical students. Collected recent articles from search engines Pub med, Google Scholar, published recently relevant to the COVID-19 pandemic from all over world. Provide routine schedules as much as possible by online services or provide e-services to create new environment, novel consultation and giving time gap in e-assignments, ask them to do the regular exercises may improve the mental health and decrease the stress of the medical students. Hence Avoiding of constant stream of news reports about an outbreak can cause anyone to feel anxious or distressed.

22. Design, synthesis, anti-tobacco mosaic viral and molecule docking simulations of urea/thiourea derivatives of 2-(piperazine-1-yl)-pyrimidine and 1-(4-Fluoro/4-Chloro phenyl)-piperazine and 1-(4-Chloro phenyl)-piperazine - A study.

Nagalakshamma, V, Venkataswamy M, Pasala C, Umamaheswari A, Thyagaraju K, Nagaraju C, Chalapathi PV.

Bioorganic Chem 2020;102:104084.

The objectives of the present work are to design, synthesize and introduce novel urea/thiourea derivatives of 2-(piperazine-1-yl)-pyrimidine and 1-(4-Fluoro/4-Chloro phenyl)-piperazine molecules as tobacco mosaic virus (TMV) inhibitors. A series of urea/thiourea derivatives containing pyrimidine and piperazine moieties were synthesized, characterized using Fourier-transform infrared (FTIR) mass spectra, nuclear magnetic resonance (NMR) spectroscopy, elemental analysis and evaluated their sustainability using biological experiments. The anti-viral bioassay of the title compounds showed an antiviral activity against TMV. The compounds synthesized, 9j, 6g and 3d, showed highly-potential curative, protective, and inhibitory activities against TMV at 500 mg/mL formulation. All these compounds were allowed to quantum-polarized-ligand (quantum mechanical and molecular mechanical (QM/MM)) docking experiments. The compounds 9j, 6g and 3d structurally exhibited identical higher affinity towards TMV-Helicase and TMV-Coat proteins. The docking interactions proposed had two stage inhibition of TMV virus by binding to coat protein and helicase for inhibition of RNA replication. The long-range molecular dynamics (150 ns) simulations has revealed more consistency by 9j, 6g and 3d. The present study outcomes good binding propensity for active-tunnel of TMV-Hel enzyme, by these thiourea, urea derivatives, 9j, 6g and 3d, to suggest that the designed and synthesized were ideal for proposing as selective novel inhibitors to target for TMV.

23. Synthesis, Molecular Docking Studies and Biological Evaluation of N-Acylarylhydrazones as Anti-Inflammatory Agents.

Sarala Devi T, Rajitha G, Swathi K, Sudheer Kumar K, Umamaheswari A.

Adv Exper Med Biol 2020;1195:137-48.

In the present work a series of N'-arylidene-2-(benzamido)-3-(naphthalen-2-yl) acrylohydrazides were synthesized by refluxing the intermediate 2-(benzamido)-3-(naphthalen-2-yl) acrylohydrazide with various substituted benzaldehyde in the presence of glacial acetic acid. The intermediate 2-(benzamido)-3-(naphthalen-2-yl) acrylohydrazide 2 was prepared by stirring 4-((naphthalen-2-yl) methylene)-2-phenyloxazol-5(4H)-one with hydrazine hydrate in the presence of absolute ethanol. The chemical structures of the compounds were established by IR, ¹H NMR and mass spectral data. All the compounds were evaluated for anti-inflammatory (in vivo, in vitro) activity and performed docking against COX-2. The compounds 3a, 3c and 3o showed good inhibition of COX-2 in in vitro studies (0.75 μ M, 0.5 μ M and 0.7 μ M as IC₅₀, respectively). The compounds 3c, 3e and 3f were found to be more active than standard drug phenylbutazone at equidose. Molecular docking studies showed that compound 3 m exhibited good binding affinity against COX-2 with docking score 9.328 kcal/mol, when compared to the standard celecoxib.

24. Novel and potent inhibitors for dihydropteroate synthase of Helicobacter pylori.

Sri Harsha S, Sudheer Kumar K, Chiranjeevi P, Umamaheswari A.

J Recept Signal Trans 2020;40:246-56.

An endless drug-resistant strains of Helicobacter pylori and multitudinous drug reactions are obstacles in the treatment of H. pylori infections, thereby ambitious novel proof-of-concept for inhibitor design was practiced in advancement of medication. Dihydropteroate synthase (DHPS) is an alluring target that plays a great role in folate synthesis pathway essential for amino acids biosynthesis was selected for designing novel drugs to prevent infections caused by pathogenic H. pylori. In the present study, a reliable tertiary structure of DHPS in complex with inhibitor 6MB was constructed by Modeler 9v19. DrugBank compounds of DHPS, published inhibitors, and co-crystal ligand (6MB) were docked against DHPS. The best docked compounds were screened against 28.5 million compounds resulted 1186 structural analogs. Virtual

screening workflow and quantum polarized ligand dockings of these compounds against DHPS resulted three leads that showed better XP Gscores, ADME properties, and binding-free energies compared to 6MB, DrugBank compounds, and published inhibitors. The proposed leads were also validated by receiver operative characteristic (ROC) curve metrics in the presence of thousand decoys and the best docked existing compounds against DHPS. Long-range molecular dynamics (MD) simulations for 100 ns were executed after post-docking evaluations. Trajectory analysis showed the lead-DHPS docking complex's intermolecular interactions were stable throughout the entire runtime of MD simulations than 6MB-DHPS complex and Eliglustat-DHPS complex. The study outcomes showed good competitive binding propensity and active-tunneling of leads over the existing inhibitors, thereby these leads could be ideal inhibitors against DHPS to target *H. pylori*.

25. Virtual screening of some typical guanidine based small molecules against selected anti-Diabetic drug targets.

Srinivas Vulichi, Sudheer Kumar K, Umamaheswari A, Venkata Rao C, Kapur S, Rupak K.

Int Con Drug Discov 2020; 93.

Among many non-communicable, lifestyle modifying diseases, Metabolic syndrome (Met S) occupies a remarkable position. The condition is characterized by an array of complex co-occurring abnormalities including high blood pressure, central obesity, insulin resistance, hyperglycemia, and dyslipidemia in individuals, in turn, increasing the risk of type II diabetes and obesity. Apart from distinct biochemical pathways, molecules like AMP-activated Protein Kinase (AMPK) and Peroxisome Proliferator-Activated Receptor- ? (PPAR- ?) have drawn special attention in the mission of finding reliable targeting approaches. Non-pharmacological strategies, especially like physical exercise and diet regulation, are intensely implemented with an aim to achieve better prophylaxis and quality of life. Despite the availability of several potent therapeutic classes such as sulfonylureas, thiazolidinediones, biguanides, and incretin mimetics, there is still a deficiency for the safest candidates. Among the commonly used clinical oral anti-hyperglycemic agents against Met S, Metformin of biguanide class is considered

as the safest first-line agent and gold standard in the therapy with negligible adverse effects. Hence taking the therapeutic benefits of metformin into account, we have synthesized a precise library of typical guanidine based small molecules with an idea to find potent and safest leads. Further using a combination of computational tools we have successfully screened the library against crystal structures of AMPK (PDB Code: 6B1U) and PPAR-? (PDB Code: 5Y2T) with resolutions of 2.77 Å and 1.7 Å retrieved from Protein Data Bank (PDB) for understanding and assessing the residual level interactions and docking potential. Molecular dynamic simulations were carried out for 100 nanoseconds to understand Ligand- Receptor [LR] complex stability. We hope that our study could set a stage for the identification of reliable lead molecules with desirable features that are eligible for an effective clinical translation.

26. Structure based computational screening of small molecule inhibitors against sphingosine-1-phosphate lyase for targeting multiple sclerosis.

Srinivas Vulichi, Sudheer Kumar K, Rupak K, Haswika G, Lakshmi S, Ramu C, Umamaheswari A.

J Young Pharm 2020;11:S10.

Multiple Sclerosis (MS) is a chronic neurodegenerative condition caused by aberrant hyperactivation of immune cells against one's own myelin sheath leading to an autoimmune response. Apart from genetic and environmental factors specific causative factors associated remains unclear. Sphingosine-1-Phosphate (S1P) is an endogenous mediator and immunosuppressant which actively takes part in immune cell egress and clearance in addition to various cellular processes. It is degraded by Sphingosine -1-Phosphate Lyase (SPL) into inactive phosphoethanolamine and hexadecenal respectively. Many recent studies have addressed the importance of targeting SPL in the pathogenesis of Multiple Sclerosis. Most of the therapeutic agents against MS are monoclonal antibodies and there is a reasonable deficiency of active small molecules in spite of a few existing ones. We hypothesize that since SPL is an emerging target and there are no known approved candidates against this enzyme, developing small molecule inhibitors could definitely be a reliable strategy for therapeutic intervention of MS. Our present study

attempts to identify some potential leads through in-silico structure based screening. The selected brief chemical library comprising 29 ligands in total was screened using a combination of computational tools against the crystal structure of Human Sphingosine-1-Phosphate Lyase 1 (SGPL1) (PDB Code: 4Q6R) retrieved from Protein Data Bank with a resolution of 2.40 Å. This led to the identification of 5 potent leads with an agreeable target interaction scores and kinetic properties. This preliminary approach could set a stage for the development of several promising candidates with improved features enabling clinical benefits.

27. 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 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?-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.

28. Novel mutations in the Ring-finger domain of BRCA1 gene in clinically diagnosed Breast Cancer patients.

Kumar PS, Srikanth L, Reddy KS, Sarma PVGK

Biotech 2020;10:47.

In the present study, we investigated the frequency of BRCA1 gene mutations in 30 breast cancer (BC) patients of independent family history and 30 healthy control subjects. The immunohistochemistry (IHC) of BC patients showed duct cell carcinoma and distinct expression of the human epidermal growth factor receptor 2 (HER2). The genomic DNA was extracted from the BC patients and control subjects, the BRCA1 gene was PCR amplified and sequenced. The sequence analysis revealed that BRCA1 gene mutations were detected in 5/30 (16.6%) unrelated patients. One novel deleterious c.53delT mutation was detected in 3/30 (10%) unrelated patients leading to p.Met18Serfs*5 frame shift mutation in exon 2. Two patients 2/30(6%) had novel c.297_301delinsCTCAA mutation in exon 5 leading to p.Leu99_Tyr101delinsPheSerAsn. Interestingly, the qRT-PCR analysis showed high expression of BRCA1 gene in all these patients having mutations compared with control subjects. Further, in silico analysis revealed loss of zinc-binding region of the RING-finger domain in BRCA1 structure due to these mutations, variable number of helices, helix-helix interactions, ?-turns, and ?-turns were identified in the secondary structure, resulted in the formation of non-functional protein which is unable to activate BRCA1-associated genome surveillance complex (BASC) leading to uncontrolled cell proliferation. Moreover, the molecular dynamics (MD) simulations of mutated BRCA1 protein demonstrated extensive variations in the domain and non-domain regions compared with the wild-type structure as indicated by RMSD values. All these results conclusively explain that the c.53delT mutation may be the probable founder of deleterious mutation in this ethnic group.

29. Chronic persistent surgical pain is strongly associated with COMT alleles in patients undergoing cardiac surgery with median sternotomy.

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

Gen Thorac Cardiovasc Surg 2020;68:1101-12.

Objectives: Catechol-O-methyl transferase (COMT), a catechol-dependent enzyme, plays pivotal role in the development of pain. In different ethnic populations, it is associated with chronic persistent surgical pain (CPSP). In this context, the present study is aimed to assess involvement of COMT allele (Val158Met) in the development of CPSP. **Methodology:** The patients (n = 216) underwent cardiac surgery with median sternotomy were selected to assess the magnitude of the CPSP evaluated with pain questionnaires' after 3 months from surgery. The exon 4 of COMT gene was PCR amplified and sequenced. The quantitative gene expression of COMT using RT-PCR corroborated the COMT enzyme activity.

Results: Among 216 patients who underwent sternotomy procedure, 54 patients showed CPSP even after 3 months from surgery. The sequence analysis revealed that, in 25% (54/216) patients having following one or more alleles: c.472G>A (Val158Met) (reported), and novel c.382C>G;c.383G>C (Arg128Ala), c.373C>G (Arg125Gly), c.370G>A (Val124Met), c.359G>C (Gly120Ala), c.349G>A, c.350G>A(Ala117Ser), c.349G>C, c.351C>A (Ala117Pro), c.349G>A (Ala117Thr), c.350G>C (Ala117Gly), and c.405G>C (Ala135Ser) were observed for the first time in Indian population. Distinct CPSP (? 4 NRS pain score) was observed in these patients correlating with COMT enzyme activity (7.80 ± 0.92 units/mg) which is 14 times lowered when compared with non-CPSP patient's (n = 162) 110.15 ± 6.41 units/mg. The findings of COMT gene expression using quantitative RT-PCR corroborated the COMT enzyme activity. **Conclusion:** The dominant effect of mutant COMT alleles connecting with low enzyme activity resulted in CPSP, warrants COMT genetic analysis prior to surgery was useful to predict the occurrence of CPSP.

30. Assessment of Reference Range of Serum Homocysteine from the Post-therapy Values of Cobalamin and Folate Deficiency Patients.

Chandrasekhar C, Kiranmayi VS, Kumar PS, Sarma KVS, Sarma PVGK.

J Assoc Physicians of India.2020; 68

Objectives: Ideally, the upper reference limit of plasma or serum homocysteine (Hcy) is to be defined from the studies done on individuals with normal cobalamin and folate status. It is difficult to separate the truly healthy (Cobalamin/Folate Replete) individuals from the randomly selected, apparently healthy individuals who are sub-clinically deficient of cobalamin/folate. The present study was aimed at defining the reference values for the serum homocysteine from individuals with normalized cobalamin and folate status. **Methods:** In our study, 215 patients with cobalamin, folic acid deficiency were treated accordingly till complete restoration of clinical and laboratory abnormalities. The post-therapy serum Hcy values were used as reference values. Results: Post-therapy serum Hcy values $12.56 \mu\text{mol/L}$ (96th percentile), $11.4 \mu\text{mol/L}$ (85th percentile), $9.8 \mu\text{mol/L}$ (67th percentile) were seen. The hyperhomocysteinemia was more visible (17.3% gain in prevalence) in the same patient group if interpreted using the post-therapy Hcy value ($11.4 \mu\text{mol/L}$) as the cut-off. There was no difference between the genders and age groups in the pre or post-therapy Hcy values. **Conclusions:** The benefit of the gain in prevalence of disease or the increase in the sensitivity of the test, though small, gets magnified in common diseases and in populous countries. Selection of the individuals is as important as the method or the reagent used in the method when a particular parameter is studied. Repleting the vitamin stores in the confirmed vitamin-deficient patients is more appropriate and easily feasible, since anyway they require treatment, than doing the same on the apparently healthy people. The data thus obtained can be better used as the reference value, for a more meaningful interpretation. The reference range can in turn be used to identify the sub-clinically deficient but asymptomatic people and managed accordingly.

31. Novel mutations in the EPO-R, VHL and EPAS1 genes in the Congenital Erythrocytosis patients.

Chandrasekhar C, Kumar PS, Sarma PVGK.

Blood cells molecular diseases 2020;85:102479.

Congenital erythrocytosis (CE) can be classified as primary and secondary and 82 consecutive patients of erythrocytosis who were JAK-2 mutation negative, were further investigated. The genomic DNA was extracted from all the patients and the EPO-R, VHL, EGLN1 and EPAS1 genes were PCR amplified and sequenced. The sequence analysis showed (28/82) 34.14% patients had mutations. Among them, (19/28) 67.86% patients had mutations in exon 8 of EPO-R gene, of which six were novel missense mutations, p.(Gly418Ala), p.(Gly390Ala), p.(Ala411Thr), p.(Gly475Val), p.(Glu490Asp), p.(Glu362Gln) and three were novel frameshift mutations, p.(Glu336*), p.(Pro327Hisfs*68), p.(Gly479Alafs*37). All these EPO-R patients were heterozygotes and were forming endogenous erythrocyte colonies (EEC). Some patients (8/28) 28.57% had mutations in VHL gene, out of which 3 novel homozygous missense mutations in exon 1 of VHL gene, p.Gly80Asp, p.Gln107Glu and p.Gln113Glu, were identified. In addition, (1/28) 3.5% patients had one reported heterozygous missense mutation in exon 12 of EPAS1 gene p.Gly537Arg and one novel frameshift mutation p.(Ala553Glyfs*58). Further, in silico analysis indicated most of the mutations, probably, were damaging the protein structures, causing the CE in these patients. In this study the mutations in EPO-R, and EPAS1 genes were identified for the first time in India.

32. Mutations and structural variations in Catechol-O-methyltransferase gene of patients exhibiting chronic persistent surgical pain.

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

Rev Esp Anesthesiol Reanim 2021;S0034-9356(20)30260-7.

Objectives: Mutations in the exon 4 of the COMT gene are associated with chronic persistent surgical pain (CPSP). Especially COMT mutated allele G472A (Val158Met) associated with CPSP patients is reported in different ethnic

population. The purpose of this study is to evaluate the prevalence of genetic mutations and structural variations in exon 4 of COMT causing CPSP in sternotomy patients.

Materials and Methods: The patients with American society of Anesthesiologists (ASA) physical status grades I, II and III (n=100) underwent sternotomy procedures were selected to assess the magnitude of the CPSP evaluated with pain questionnaires' at the end of three months after surgery and this was correlated with COMT allele. The exon 4 of COMT gene (having G472A allele) was studied in all 100 patients. The PCR products were sequenced and mutated sequences were deposited in GenBank. The structural analysis of COMT was performed using Procheck and distortions of three dimensional tertiary structural orientation was evaluated with RMSD score.

Results: Genetic analysis carried out through PCR showed 220 bp amplicons. The 25% of patients with CPSP having NRS >4 pain score. 20% of these patients have known Val158Met mutation, 5% of patients showed novel mutations c.382C>G, c.383G>C; p. (Arg128Ala). The mutations in COMT gene contributed major structural variations in COMT leading to the formation of inactive COMT correlating with CPSP. **Conclusion:** The results of the present study showed both novel and reported mutations in COMT gene has profound association with CPSP.

33. Staphylococcus aureus grown in anaerobic conditions exhibit elevated glutamine biosynthesis and biofilm units.

Yugandhar VG, M.M.Sunita MM, Kumar PS, Subbarayadu S, Chaudhary A, Sarma PVGK.

Can J Microbiol 2020.

The enormous spread of *Staphylococcus aureus* (*S. aureus*) infections through biofilms is a major concern in hospital-acquired infections. Biofilm formation by *S. aureus* on any surface is facilitated by adjusting its redox status. This organism is a facultative anaerobe shift more towards reductive conditions by enhancing nitrogen metabolism where Glutamine synthesis plays a key role. Glutamine is synthesized by Glutamine synthetase (GS) encoded by the *glnA* gene was PCR amplified from the chromosomal DNA of *S. aureus*, sequenced (HQ329146.1) and cloned, the pure recombinant GS exhibited $K_M 11.06 \pm 0.05$ mM for

Glutamate and 2.4 ± 0.03 mM for ATP. The *glnA* gene sequence showed high degree variability with the human counterpart while it was highly conserved in bacteria. Structural analysis revealed the GS structure of *S. aureus* showed close homology with other Gram-positive bacteria and exhibited a high degree of variation with *E. coli* GS. In the present study, we have observed the increased presence of glutamine synthetase activity in multidrug-resistant strains of *S. aureus* with elevated biofilm units grown in brain heart infusion broth among them methicillin-resistant strains of *S. aureus* LMV 3-5 showed higher biofilm units. All these results explain the important role of glutamine biosynthesis with elevated biofilm units in the pathogenesis of *S. aureus*.

34. Correlation of Spot Urine Protein Creatinine Ratio with Angiographic Disease Severity in Non-Diabetic Stable Coronary Artery Disease.

Raghuram Bollineni, Durgaprasad Rajasekhar, Vanajakshamm Velam, Harini Devi N.

Int J Sci Res 2020;9:934-7.

Background: Coronary artery disease (CAD) is a major cause of death and disability. Microalbuminuria, a marker of atherogenesis and early endothelial damage has been an emerging risk factor. This study aimed to correlate urine spot protein creatinine ratio with angiographic disease severity in non-diabetics with stable coronary artery disease. **Methods:** This was a single center prospective observational study which included 100 non-diabetic patients with stable CAD. Spot urine protein creatinine ratio was used to define Microalbuminuria (MA) ($30-300\text{mg/g}$ creatinine), and severity of CAD was estimated using SYNTAX score and Modified Gensini score. Patients were divided into two groups: one group included patients without MA and another group included patients with MA. **Results:** Out of 100 non-diabetic patients with stable coronary artery disease, 56 (56%) were in MA negative group and 44% were in MA positive group. The mean age of the study population was 58.65 ± 9.7 years with majority of them being males (75%). The prevalence of double vessel CAD and triple vessel CAD was significantly higher in MA positive group compared with the MA negative group (79.54% vs 26.78% $p < 0.00001$). Statistically significant positive correlation was seen between urine

protein creatinine ratio and SYNTAX score ($r = 0.650$, $p < 0.00002$) MA positive group when compared with the MA negative group had majority of them with High SYNTAX score (77.27% vs 8.9% $p < 0.00001$). Statistically significant positive correlation was seen between urine protein creatinine ratio and SYNTAX score ($r = 0.650$, $p < 0.00001$) and even with Modified Gensini score ($r = 0.697$, $p < 0.00001$). **Conclusion:** This study concludes that non-diabetic patients with microalbuminuria have more severe angiographically detected CAD than with outmicroalbuminuria, hence enlightening the role of microalbuminuria as an independent risk factor for CAD in non-diabetics.

35. Correlation of coronary artery calcium score and carotid artery intima-media thickness with severity of coronary artery disease.

Sudhakar Reddy P, Rajasekhar D, Vanajakshamma V, Lakshmi AY, Latheef Kasala.

J Cardiovasc Thorac Res 2020.

Introduction: Coronary artery calcium score (CACS) and carotid artery intima-media thickness (CIMT) are the markers of atherosclerosis. An association between CACS and CIMT with presence of atherosclerotic coronary artery disease (CAD) is well established. However relationship between severity of CAD with CACS and CIMT is less clear. This study aimed to investigate the correlation between severity of CAD assessed by SYNTAX and Gensini scores with CACS and CIMT. **Methods:** This prospective study was conducted on 351 patients with CAD between June 2015 to December 2016. CACS was obtained using AGATSTON algorithm with 128 slice multidetector computer tomography (MDCT) before conventional coronary angiography (CCA). CIMT was measured by using Philips IE33 Echo machine. The severity of CAD was assessed by SYNTAX score (SS) and Gensini score on CCA. Correlation between severity of CAD with CACS and CIMT was analysed. **Results:** Mean CACS was 241.5 ± 463.7 , and this was positively correlated with over all SS ($r=0.417$, $P < 0.0001$) and Gensini score ($r=0.405$, $P < 0.0001$). Mean CIMT was 0.80 ± 0.18 mm and this was also significantly correlated with SS ($r=0.450$, $P < 0.0001$) and Gensini score ($r=0.459$, $P < 0.0001$). Multivariate analysis showed that CACS was

independently associated with diabetes mellitus ($?0.11$, $P=0.021$), SS ($?0.251$, $P=0.010$) and mean CIMT ($?0.128$, $P=0.028$). Receiver-operating characteristic (ROC) curve analysis revealed a cut off CACS of >493 for SS $?33$ (high-SS tertile). **Conclusion:** Our study confirmed a significant correlation between CACS and CIMT with the severity of CAD assessed by SS and Gensini scores. CACS and CIMT may be considered as important noninvasive diagnostic modalities in the assessment of the severity of CAD.

36. Assessment of healthy lifestyle and wellbeing status among the employees of a tertiary care hospital.

Velam V, Kasala L, Durgaprasad R, Bitla AR.

J NTR Univ Health Sci 2020;9:20-4

Background and Aims: Individual barriers to change in lifestyle include lack of proper knowledge particularly about nutrition and physical activity, lack of acceptance to change behaviour, lack of self-motivation and lastly physical and socioeconomic limitations.

Methods: This is a prospective, questionnaire based study conducted at a tertiary care hospital between May and August of 2019. A total of 777 employees working at different professional levels were enrolled in to the study. All the enrolled employees were subjected to a detailed questionnaire consisting of various dimensions of health which includes physical health, mental health, social health, spiritual health and intellectual health dimension.

Results: The mean age of the study group was 37.38 ± 9.74 years (range: 17-68 years). Among the participants, 42.1% are male and 57.9% are female. Most of the study participants are practicing moderate physical activity (67.6%). Current smokers and alcoholics are 2.1% and 9.3% respectively. Diabetes and hypertension was seen in 7.3% and 9.7% respectively. The overall wellbeing showed that 40.8% of the staff are having good wellbeing and 31.5% showed some wellbeing risks. Outstanding wellbeing score was observed in 22.9% and only in 4.8% showed serious health risks related to their wellbeing.

Conclusion: The overall wellbeing in healthcare staff is good at our tertiary care hospital. Majority of the staff showing risks with regards to their physical wellbeing due to poor exercise practices and abnormal food intake

behaviour. Joint family system was found to be a factor for better mental health wellbeing among healthcare staff. Practicing exercise, meditation, yoga and controlling abnormal food intake leads to further wellbeing improvement.

37. Electrocardiographic identification of culprit coronary artery and its correlation with angiographic culprit lesion in patients with acute ST-elevation myocardial infarction.

Nagaraja Reddy C, Vanajakshamma V, Rajasekhar D.

Int J Sci Res 2020;9.

Although coronary angiography remains the gold standard, ECG can help to anticipate infarct related artery (IRA) before angiography, especially in hospitals which are not equipped with angiographic facilities. In this study Fiol's algorithm was used to predict the stenosis/occlusion in coronary arteries of acute anterior and inferior wall MI. Invasive coronary angiography was done to identify the culprit coronary artery in all the study patients. In differentiating the site of lesion between RCA and LCx, ECG has high sensitivity (95.7%), positive predictive accuracy (96.6%) and negative predictive accuracy (96.4%) for RCA occlusions, and high specificity (98.2%), positive predictive accuracy (91%) and negative predictive accuracy (90%) for LCX lesions. There is a significant difference ($p?0.05$) between RCA and LCx occlusion in ST segment displacements in Lead I, aVL, V1, V2, V3 and V6 leads ($p <0.05$). There is significant difference ($p?0.05$) between proximal and distal RCA in ST segment deviation in Lead I, aVF, V1, and V6 leads ($p<0.01$). In conclusion, ECG can help to localize culprit coronary artery in acute myocardial infarction prior to coronary angiography, especially in hospitals without angiography facilities.

38. Left Ventricular longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy.

Ravindra Dev V, Rajasekhar D, Vanajakshamma V.

J Med Sci Clin Res. 2020;8:361-4.

Objective: Tenecteplase-based pharmacoinvasive percutaneous coronary intervention (PCI) has been shown

to yield outcomes comparable to primary PCI in the setting of acute ST elevation myocardial infarction (STEMI). This study was designed to compare the efficacy of pharmacoinvasive PCI following successful thrombolysis with Streptokinase versus primary PCI in patients with STEMI. **Methodology:** We conducted a prospective single center observational study in 120 patients with STEMI who underwent primary PCI (n=60) and Streptokinase-based pharmacoinvasive PCI (n=60). Patients with Killips class 3 or 4 at presentation, and those with evidence of failed fibrinolysis were excluded. The primary outcome was LV systolic function after angioplasty, as assessed by 2D global longitudinal strain (GLS) using speckle tracking echocardiography (STE), as well as 2D LVEF using Simpson's biplane method. **Results:** LV systolic function after PCI was significantly lower in the pharmacoinvasive arm as compared to the primary PCI arm, both by 2D STE (GLS: -9% vs -11%; $p=0.03$) and 2D Simpson's biplane method (LVEF: 40.7% vs 45.1%; $p=0.02$). TIMI flow in the culprit vessel prior to angioplasty was better in the pharmacoinvasive arm indicating successful thrombolysis, whereas post angioplasty flow was not different. There was no in-hospital mortality in either group. There was a trend toward increased incidence of acute kidney injury in the pharmacoinvasive arm. **Conclusion:** LV systolic function is significantly better after primary angioplasty as compared to pharmacoinvasive PCI following successful thrombolysis with Streptokinase

39. Value of ST-segment elevation in lead aVR in non ST-elevation myocardial infarction/unstable angina in predicting disease extent, severity and outcomes.

Naga Narasimha Reddy M, Vanajakshamma V, Rajasekhar D, Sreenivasa Reddy D, Ravindra Dev D.

Ind J Appl Res 2020;10:15-7.

Background: ST -segment elevation (STE) in lead aVR has been associated with three vessel disease and left main ending as an independent predictor in coronary stenosis in acute coronary syndrome, but prognostic relevance of this patients with non ST elevation myocardial infarction(NSTEMI) or unstable angina (UA) remains unknown. **Methodology:** We prospectively evaluated the initial electrocardiogram (ECG) in 112 patients with NSTEMI or UA. ST-elevation in lead aVR was measured.

Echocardiography was performed, mitral regurgitation and left ventricular ejection fraction (LVEF) were assessed. Selective coronary angiography was performed at median of 3 days after admission, SYNTAX and Gensini scores were calculated. All the patients were followed up in hospital and 3 months after discharge. **Results:** Overall, 34 patients (30.3%) had STE in lead aVR (group A) and remaining 78 patients (68.7%) had NSTEMI (Group B). Group A patients had a higher prevalence of lateral leads ST-segment depression ($p=0.001$). However, group A peak troponin I ($p=0.14$) and cantly different, but had a higher incidence of mitral regurgitation (MR) ($p=0.02$). The incidence of single vessel LVEF ($p=0.22$) were not signi disease, double vessel disease and triple vessel disease in group A were 41%, 29.3% and 23.5%, whereas in group B they were 49%, 33.3% and 10% respectively ($p=0.43$, $p=0.67$ and $p=0.06$ respectively). The mean SYNTAX score was 24.56 ± 16.43 in group A and 19.46 ± 14.39 in group B cant' ($p=0.47$). The mean Gensini score was 64.73 ± 40.70 in group A as compared to 46.32 ± 39.43 in group B ($p=0.53$). There was no signi difference in 3 months clinical outcomes in the two groups. **Conclusion:** Our study showed that in NSTEMI/Unstable angina, ST elevation in cantly higher cant MR. Readmission due to acute coronary syndromes was signi aVR is associated with ST depression in lateral leads and signi cant difference in troponin I levels, LVEF, disease extent by Gensini and SYNTAX in patients with STE in aVR. However, there was no signi score between the two groups.

40. Assessment of Immediate Effects of Percutaneous Balloon Mitral Valvuloplasty on Right Ventricular and Pulmonary Functions in Severe Rheumatic Mitral Stenosis Patients using Speckle Tracking Echocardiography and Spirometry.

Praveen Kumar Reddy S, Vanajakshamma V, Rajasekhar D, Narendra Ch, Raja Naga Mahesh M, Madhava Naidu Y.

J Cardiovasc Thorac Res 2020;12:280-5.

Introduction: The current study was sought to assess the immediate effect of percutaneous balloon mitral valvuloplasty (PBMV) on right ventricular (RV) and pulmonary functions using speckle tracking echocardiography (STE) and spirometry respectively.

Methods: Two-dimensional speckle tracking and doppler studies for strain and strain rate imaging of RV were performed before PBMV, after 48h and 15 days of PBMV using echocardiography and spirometry. Mitral valve area, peak and mean mitral valve transannular pressure gradients, late filling velocities, Wilkins score, Systolic pulmonary artery pressure, TAPSE, RV end-diastolic and end-systolic areas, RV fractional area change and Tei index were measured.

Results: There was a significant rise in peak RV global longitudinal strain (GLS) from baseline to 48h post PBMV and at 15 days post PBMV. Segmental RV strain at basal septum, mid septum, apical septum and basal RV free wall showed considerable improvement from baseline to 48h post PBMV and 15 days post PBMV. RV longitudinal strain rate parameters did not show significant improvement after PBMV and remained low at follow-up. Post PBMV all patients showed restrictive features on pulmonary function test. The mean FEV1 (% predicted), mean FVC (% predicted), mean PEFR improved from baseline to 48h PBMV and 15 days post PBMV. Though the mean FEV1/FVC increased post PBMV at 15 days follow-up, but it was statistically insignificant. **Conclusion:** RV performance in MS was decreased mainly due to increase in RV after load which improves after PBMV. Patients with severe MS have impaired pulmonary function which is of restrictive type and successful PBMV improves pulmonary function.

41. Utilization of antenatal care services in a rural area of Nalgonda district, Telangana state.

Jahnavi K, Kondagunta Nagaraj, Abhay Subhash Rao Nirgude.

Int J Comm Med Pub Health 2020;7:3380.8

Background: Majority of maternal deaths can be prevented through appropriate maternal health services during antenatal, natal and post natal period. Reasons for non-utilization of Antenatal health services could be due to various social, cultural and economic factors. Therefore, keeping this in view, this study was conducted to assess the utilization pattern of antenatal services by mothers, the facilitators of utilization of services. **Methods:** It is a Community based cross sectional study conducted in

Cherlapally and villages around, which constitute the rural field practice area of Department of SPM, Kamineni Institute of Medical Sciences, Narketpally telangana. This study was conducted from September 2012-October 2014. A pre-designed and pre-tested questionnaire was used to collect the data. The data was compiled and analyzed using SPSS version 19. **Results:** Majority (91.5%) of the mothers had three or more than three antenatal visits. Antenatal visits less than 3 was seen in only 8.5% of mothers. Mothers who took minimum of 2 tetanus toxoid injections were 93.6%. But only 37.7% of the mothers consumed 100 IFA tablets. Majority (68.6%) of the mothers received antenatal care from doctor and 22.9% of mothers from both doctor and ANM. **Conclusions:** Majority of the mothers received antenatal care from private health facility followed by government health facilities. Better care and advice from health staff was the prime determinant for utilization

42. Utilization of postnatal care services in a rural area of Nalgonda district, Telangana state.

Jahnavi K, Kondagunta Nagaraj, Abhay Subhash Rao Nirgude

Int Nat J Comm Med Pub Health 2020;7:3131-6.

Background: Promoting women's health improves not only individual health but also the health of the family, community and the nation. Less attention was given for postnatal period in developing countries; women and their newborns don't receive postnatal care services from a skilled birth attendant during the first days after childbirth. The objective was to study utilization of postnatal care services by recently delivered mothers, to study the geographical accessibility factors influencing utilization of postnatal care services and to study healthcare provider factors influencing utilization of post natal care services.

Methods: It was a community based cross sectional study conducted in Cherlapally and villages around, which constitute the rural field practice area of Department of SPM, Kamineni Institute of Medical Sciences, Narketpally Telangana from September 2012 to October 2014. A pre-designed and pre-tested questionnaire was used to collect the data. The data was compiled and analyzed using SPSS version 19. **Results:** Accordingly, 97.9% of the mothers received postnatal care and 2.7% mothers didn't receive the postnatal care. In the present study post natal advice

was received by 67.8%, 82.2% and 55.1% of mothers regarding family planning, breast feeding and baby care respectively. Majority (79.9%) of mothers travelled greater than 5 kms for delivery and only 20.1% of mothers travelled less than 5 kms for delivery.

Conclusions: Number of institutional deliveries and deliveries assisted by skilled health personnel were more compared to other studies probably because of awareness created during antenatal visits, maternity benefit scheme and role of ASHA workers.

43. Utilisation of Anganwadi services among pregnant women in rural Telangana: A cross sectional study.

Harikrishna B N, Jothula KY, Nagaraj K, Prasad V G.

J Family Med Prim Care 2020;9:3343-8

Background: Anganwadi centers were providing integrated services comprising supplementary nutrition, immunization, health check-up, and referral services to children below six years of age and expectant and nursing mothers. After more than three decades of implementation, the success of Integrated Child Development Services (ICDS) program in tackling maternal and childhood problems still remains a matter of concern. **Objectives:** To estimate the proportion of pregnant women utilizing various services provided by the anganwadi centre. To assess the association between demographic factors and utilization of anganwadi services by pregnant women. **Methods:** A cross-sectional study with a sample size of 135 was conducted in three villages attached to a medical college. Pregnant women enrolled in anganwadi the center were included in the study. Data was collected by a predesigned pretested semi-structured questionnaire. Data was presented in proportions, odds ratio with confidence interval, and Chi-square test, Fisher test was applied to find the association between variables by using SPSS ver. 23. **Results:** The study showed 86.66% utilized supplementary nutrition services, 62.96% received health education, 85.92% took vaccines from anganwadi centre, 40.74% utilized referral services, and 82.22% utilized health checkups services provided by anganwadi centre. Distance from the centre was found to be an important determinant of the utilization of anganwadi services. **Conclusions:** There is a need to sensitize and motivate beneficiaries to utilize the services offered by anganwadi center

44. School Environment and Sanitation: A Comparative Study.

Anju Damu Ade, Kondagunta Nagaraj, Chandrasekhar Vallepalli.

Nat J Comm Med 2020;11:149-55.

Background: The health of children and youth is a fundamental value. In many countries there exists a high prevalence of water and sanitation related diseases, causing many people, children in particular, to fall ill or even die.

Objectives: The research was undertaken to study the status of school environment and sanitation in urban and rural area of Tirupati; and to compare school environment and sanitation between rural and urban area. **Methods:** This Cross-sectional study was conducted in Schools of Rural and urban government schools to collect information on various attributes related to school environment and sanitation and were compared between rural and urban schools. **Results:** School environment and sanitation is suboptimal in both rural and urban government schools. Significantly more urban schools had the infrastructure and sanitation facilities compared to rural government schools. 10 (62.5%) schools in rural area had no benches for students. In rural schools 11(68.75%) garbage was disposed by open dumping. Toilet and urinal facility was inadequate and was not separate for boys and girls in some schools. Ventilation was observed to be adequate but natural lightening was not sufficient. **Conclusions:** Environment and sanitation was found to be slightly better in urban govt. schools than rural government schools.

45. A comparative study of school health services in South India.

Anju D Ade, Chandrasekhar Vallepalli, K Nagaraj and G Visweswara Rao

Int Nonal Journal of advanced Community Medicine. January 2020;3(1):218-22.

Background: India is home to 47.3 crore children (0–18 years) comprising 39 percent of the country's total population. Sickness is a major cause of school absenteeism and scholastic backwardness. **Objectives:** 1. To find out availability and implementation of school health related services in urban and rural area of Tirupati. 2. To

compare availability and implementation of health related services between rural and urban government schools of Tirupati. **Materials and Methods:** This Cross sectional study was conducted in Schools of Rural Field Practice Area and in urban area of South India during June to September 2019. The information collected on various attributes of health services availability and implementation was compared between the two areas. Results: Medical examination of students was never done in 4 government schools in rural area. First aid kit was available in 15 (93.75%) urban government schools but was not fully equipped. Teachers were not doing morning inspection of students in rural government schools. Yoga facility and students counselling facility was not available in rural government schools. Majority of the schools in urban area are maintaining the school health records. Hand washing facility was available in majority of urban schools. **Conclusion:** Availability and implementation of most of the school health services were found to be higher in urban government schools compared to government schools in rural area.

46. Dietary Habits and Drug Pattern Associated with Type 2 Diabetes Mellitus among Urban Population of Eluru City: A Cross-Sectional Study.

Chandrasekhar Valleppalli , K Chandra Sekhar, Balaraju Ratna, U. Vijaya Kumar, Ch. Rama Mohan, P.G. Deotale.

Indian J Pub Health Res Develop 2020;11:1-6.

Background: Diabetes mellitus is a highly prevalent and growing chronic disease affecting an estimated 415 million people globally in 2015, and is predicted to affect 642 million people by 2040. India has more than 69 million people with T2DM, and these numbers are expected to rise to 140 million by 2040. Diet constitutes a crucial aspect of the overall management of diabetes, which may involve diet alone, diet with oral hypoglycemic drugs, or diet with insulin. **Objectives:** 1. To identify the various dietary habits in relation to type 2 diabetes mellitus among adults in urban population of Eluru. 2. To study the drug pattern in diabetic individuals of the study population. **Materials and method:** This was a community based cross-sectional study conducted in the urban area of Eluru for a period of one year among 454 adults 30 years and above age group. The data was collected using a pretested semi-structured questionnaire by interview method. Results were analyzed

and necessary statistical tests were applied. **Results:** Out of 454 study population 96 were diabetic individuals showing the prevalence of diabetes as 21.1%. Prevalence of diabetes was high (28.1%) among study subjects who were consuming rice as their staple diet ($p < 0.05$). There was a statistically significant association ($p < 0.05$) found between germinating seeds consumption and diabetes mellitus. **Conclusion:** Diabetic individuals should be encouraged to adhere to the strict dietary advice. All the individuals were advised to add the germinating seeds to their daily consuming diet. Simple dietary modifications like avoidance of junk foods will prevent or delay the onset of type 2 diabetes mellitus

47. Managing dental public health challenges during the SARS-CoV-2 pandemic.

Vallepalli C.

J Int Oral Health 2020;12:76-9.

As of July 10, 2020, there have been more than 12.1 million confirmed cases of coronavirus disease-2019 (COVID-19), including 551,046 deaths reported globally from 213 countries/regions according to World Health Organization (WHO). A novel type of coronavirus appeared in Wuhan, China in late December of 2019. WHO announced COVID-19 earlier as public health emergency of international concern (PHEIC) and a few days later as pandemic. In dental practice, protecting patients and personnel during the SARS-CoV-2 pandemic is challenging and any possible cross-infection can be prevented by the successful use of the personal protective equipment (PPE) and ensuring strict infection prevention and control measures. To discover the impact of SARS-CoV-2 and other infectious diseases on oral health, this is an opportunity to initiate and engage in scientific research projects.

48. Assessment of Knowledge related to HIV / AIDS among Medical Students.

Chandrasekhar Valleppalli, Praveen Madala.

Int J Contemp Med 2020;8:15-9.

Background: WHO estimates that approximately 36.7 million people living with HIV at the end of 2015, out of which 46% were receiving antiretroviral treatment. About

77% of all pregnant women living with HIV globally received medicines that prevent transmission to their babies in 2015. National adult (15–49 years) HIV prevalence in India is estimated at 0.26% in 2015. The total number of People Living with HIV (PLHIV) in India is estimated at 21.17 lakhs in 2015 compared with 22.26 lakhs in 2007 out of which Undivided Andhra Pradesh and Telangana have the highest estimated number of PLHIV (3.95 lakhs). This study was conducted to assess the extent of Knowledge related to HIV/AIDS among medical students in a private medical college in South India. **Methodology:** This was a cross sectional study conducted among 126 second year medical students of a private medical college of south India for a period of 3 months. After taking informed consent, information regarding Knowledge related to HIV, modes of its transmission, prevention and socio-demographic variables were collected from them using a predesigned, pretested semi structured questionnaire. Data was entered and analyzed using Microsoft Office Excel 2010 and the results were expressed in percentages. **Results:** out of 126 students participated; 38.1% were males and 61.9% were females. Correct knowledge regarding HIV transmission from mother to child through pregnancy and breast feeding were 81.7% and 45.2% respectively. About 14.3% of the students opinioned that they will consider suicide if they were discovered HIV positive. **Conclusion:** Most of the students were having basic knowledge of HIV/AIDS although there were some misconceptions which should be corrected. There is a need of Information, Education activities related to HIV/AIDS to increase the knowledge and awareness among medical students.

49. Poly pharmacy usage among geriatric population at Rural Health Centre, Kamineni Institute of Medical Sciences, Narketpally.

Ratna Balaraju, Chandra Sekhar K, Chandrasekhar Vallepalli, Prasad Sharma MMV.

Indian J Pub Health Res Develop 2020;11:312-5

Background: Poly pharmacy can be defined as more than two drugs, where as in case of elderly population the intake number of drugs varies. Hence polypharmacy definition in elderly people is different. On the whole throughout the world among the geriatric population, there is increase

number of drugs in take was observed. **Objectives:** To find the prevalence of polypharmacy, demographic and other factors association with polypharmacy among the geriatric population. **Methodology:** A cross sectional institutional based study was conducted from April 2019 to June 2019 among the elderly population at the field practice area of Rural health Centre of Kamineni Institute of Medical Sciences, Narketpally. A total of 97 persons were interviewed and information collected and confidentiality of individual information maintained. Necessary statistical tests like simple proportions and chi square tests were applied. **Results:** In the present study, about 45.3% were males and only 54.7% were females. Among the study population 72.1% were literates. Approximately, 70.1% were using polypharmacy medication in their routine life. Near to 57.7% individuals were having osteoarthritis problem. There was statistically significant association was found between female sex and polypharmacy more than 5 drugs use. **Conclusions:** Based on the study results, polypharmacy using people were more as the study group is above 60 years of age group and naturally in that age more health problems are there. Osteoarthritis problem is common problem identified as per the self report and history. Need life style modifications before development of any disease, primordial and primary prevention strategies will help for the reduction of such problems in the coming future.

50. A Study of Prevalence of Type 2 Diabetes Mellitus among Adults in an Urban Population of Eluru: POT2DIE Study.

Chandrasekhar Vallepalli, Chandra Sekhar Kalevaru, Balaraju Ratna, U. Vijaya Kumar, Ch. Rama Mohan, P.G. Deotale

Indian J Pub Health Res Develop 2020;11:78-83.

Background: Globally as of 2013, an estimated 382 million people or 8.3% of adults, are estimated to have diabetes, out of which about 46% were undiagnosed. The disease affects more than 50 million Indians-7.1% of the nation adults and kills about 1 million Indians a Year. The prevalence in south India has been reported to vary between 0.7% in Pondicherry to 19.5% in Kochi in urban areas. **Objectives:** 1. To find out the prevalence of type 2 diabetes mellitus among adults in urban population of Eluru. 2. To

study the socio-demographic variables in relation to type 2 diabetes mellitus in the study population. **Methodology:** This was a community based cross sectional study carried out in the urban area of Eluru for a period of one year among 454 adults 30 years and above age group. WHO diagnostic criteria was used. The data was collected using a pretested semi structured questionnaire. All data collected was entered and analysis was done by using the Microsoft Office Excel 2007 and necessary statistical tests like proportions and chi square tests were applied. **Results:** In the present study 48.9 percent of the study population were males and 51.1 percent were females. The prevalence of the type 2 diabetes mellitus was 21.1 percent in the present study. The present study showed significant association between the educational status and diabetes mellitus ($p < 0.0001$). Statistical significant association ($p < 0.05$) was found between different socio economic class of people and Diabetes mellitus. **Conclusion:** Prevalence of type 2 diabetes mellitus in the urban population was showing increasing trend. Diabetics and high-risk groups should be included in the health education, IEC activities and counseling programmes.

51. A study on prevalence of dementia among elderly population in RHTC field practice area of Nalgonda.

Ratna Balaraju, Chandrasekhar Valleppalli, K. Chandra Sekhar, M. M. V. Prasad Sharma, T. Sushmita.

Int J Comm Med Public Health 2020;7:2562-6.

Background: Dementia is one of the major causes of disability and dependency among older people worldwide. Dementia has physical, psychological, social and economic impact. Worldwide prevalence of dementia in elderly population of more than 60 years is 5-8%. Prevalence of mild cognitive impairment in India is 14.89%. Present study aim was to estimate the prevalence of dementia and the risk factors associated with dementia among elderly population in rural field practice area of Nalgonda district. **Methods:** A descriptive, community based cross-sectional study was conducted among 119 elderly population in the field practice area of Rural Health Training Centre by simple random sampling method, with the help of a pre-designed and pre-tested questionnaire. Data was analyzed using SPSS Version 19. MMSE (mini mental status examination) questionnaire was used to

screen for dementia. Barthel index was used to assess the dependency status. **Results:** Demographic profile of the study population of 119, males 65 (54.62%), females 54 (45.38%). Majority of their source of income were government service pension 30 (25.21%) and old age pension 70 (58.82%). 56 (47.06%) of elderly population living with family and 63 (52.94%) people were living individually. The study revealed the prevalence of cognitive impairment is 35.3%. Risk factors like middle age obesity, smoking, alcohol consumption, social isolation showed significant association with dementia. **Conclusions:** Dementia can be prevented by early diagnosis and promoting physical health and treating behavioural and psychological symptoms. Risk of dementia can be reduced by following regular exercise, diet, quitting smoking and alcohol.

52. Demographic Trends and Outcome of Acute Poisoning in a Rural Tertiary Care hospital of Nalgonda District, Telangana.

Ratna Balaraju, Chandrasekhar Valleppalli, Srujana Reddy Sattari, Komali Reddy Yenna, Kavya Sri Vijayagiri, Navya Chowdary Sunkavalli, M.M.V. Prasad Sharma.

Indian J Pub Health Res Develop 2020;11:652-6.

Background: World Health Organization (WHO) estimates that, globally more than three million of acute poisoning cases with 2,20,000 deaths occur annually. Of these, 90% of fatal poisoning occurs in developing countries particularly among agricultural workers. It has been reported that acute poisoning approximately constitutes 10% of admission in medical emergency departments in India. **Objectives:** 1. To assess the patterns of socio-demographic variables of patients admitted with acute poisoning in a rural tertiary care hospital 2. To determine the various poison related factors in relation to the outcome of patients admitted with acute poisoning in a rural tertiary care hospital of Nalgonda district. **Methodology:** This was a retrospective record based study conducted using patient's discharge summaries comprising of the patients admitted to the emergency medicine department for acute poisoning from July 2019 to January 2020. Data was entered and analyzed using Microsoft Excel 2010. **Results:** During the study period, a total of 77 acute poisoning cases were admitted, with 5 deaths,

resulting in a mortality rate of 6.5%. Acute poisoning was most seen in males (58.4%) and in the 14 to 30 years (62.3%) age group. Majority of the patients were admitted for ingestion of poison (89.6%) and the most commonly consumed poison was insecticides (40.3%). **Conclusion:** Insecticide poisoning is the most common form of poisoning with high mortality among males. There is a need for appropriate training and counselling sessions of preventive strategies for individuals who are at risk of acute poisoning especially the younger age groups.

53. Evaluation of chronic idiopathic urticaria patients with autologous serum skin test.

Surekha A, Sajja P, Sridevi K, Kumar G R, Sharan T R.

J Clin Sci Res 2020;9:218-23.

Background: Chronic idiopathic urticaria (CIU) is a common disabling disorder. Sparse published data are available on the utility of autologous serum skin test (ASST) in patients with CIU from south India.

Methods: We prospectively studied 81 patients with CIU and report their demographic characteristics, clinical spectrum and proportion of patients with positive ASST.

Results: Their mean age was 35.2 ± 12.4 years; there were 50 (62%) females. ASST was positive in 39 (48%) patients. Daily attacks of urticaria were seen in 50 (62%), atopy was present in 18 (22%) and angioedema was present in 14 (17%) patients. Their median [interquartile range (IQR)] duration of disease was 28 (6-34) months and median (IQR) duration of single wheal was 20 (10-90) minutes. On univariate analysis, longer duration of single wheal, higher frequency of attacks and presence of angioedema were found to be associate with a positive ASST. **Conclusions:** ASST was positive in 39 (48%) patients with CIU. ASST-positive individuals are younger, had a statistically significant longer duration of single wheal ($P = 0.001$), higher frequency of attacks ($P = 0.039$) and occurrence of angioedema ($P = 0.018$). ASST positive patients had severe form of the disease.

54. Assessment of functional outcome of patients undergoing surgery for chronic pancreatitis: A prospective study.

Nitesh PNB, Reddy VV, Gavini SK, Vaikkakara S, Chandrahasan C, Rao MB, Varun D

Ann Hepatobiliary Pancreat Surg 2020;24:162-7.

Backgrounds/Aims: This study was done with the aim of assessing impact of surgery for chronic pancreatitis on exocrine and endocrine functions, quality of life and pain relief of patients. **Methods:** 35 patients of chronic pancreatitis who underwent surgery were included. Exocrine function assessed with fecal fat globule estimation and endocrine function assessed with glycated haemoglobin (HbA1C), fasting plasma glucose (FPG), Insulin and C-peptide levels. Percentage (%) beta cell function by homeostatic model assessment (HOMA) was determined using web-based calculator. Quality of life (QOL) and pain assessment was done using Short form survey (SF-36) questionnaire and Izicki scores respectively. Follow up done till 3 months following surgery. **Results:** Endocrine insufficiency was noted in 13 (37%) patients in the postoperative period compared to 17 (49%) patients preoperatively ($p=0.74$). Exocrine insufficiency was detected in 11 (32%) patients postoperatively compared to 8 (23%) patients preoperatively, with denovo insufficiency noted in 3 (8%) patients ($p<0.05$). The mean Izicki score at 3 months postoperatively was remarkably lower compared to preoperative score (29.3 ± 14.3 vs. 60.6 ± 12.06 ; $p<0.05$). QOL at 3 months following surgery for chronic pancreatitis was significantly better than preoperative QOL (50.24 ± 22.16 vs. 69.48 ± 20.81 ; $p<0.05$). **Conclusions:** Significant pain relief and improvement in quality of life among patients of chronic pancreatitis following surgery. However, worsening of exocrine function with only clinical improvement of endocrine function was also noted.

55. Can preoperative serum thyroglobulin levels predict the risk of malignancy? Results from prospective analysis of biochemical predictors of malignancy in thyroid nodules.

Hulikal N, Re A, Banoth M, Chowhan AK, Yutla M, Sachan A.

Acta Otorhinolaryngol Ital 2020;40:33-7.

Although thyroid nodule is a common presentation, malignancy is rare. The present study investigated biochemical predictors of malignancy in enlarged thyroid.

This is a prospective study of all willing patients 18 to 70 years presenting with a complaint of thyroid swelling and who underwent definitive surgery over a period of 19 months. All subjects were initially evaluated with detailed history, physical examination, ultrasonography of neck and fine needle aspiration cytology (FNAC). Preoperative estimation of serum thyroid stimulating hormone (TSH), thyroglobulin (Tg) and anti-thyroglobulin (anti Tg) antibody was obtained. The treatment plan was based on FNAC results and included hemi- or total thyroidectomy. During the study period, 110 patients underwent thyroidectomy, and met the selection criteria, of which 47 patients had malignancy on final histopathology. The majority were females, 30 to 60 years old. Median serum Tg, TSH and anti Tg levels in the benign group were, respectively 29 ng/ml, 1,6 mIU/L and 1,1 IU/ml, whereas in malignant nodules they were 162 ng/ml, 1,7 mIU/L and 0,9 IU/ml. On receiver operating characteristic curve analysis, a Tg cut off value of 53 ng/ml predicted malignancy risk with a sensitivity and specificity of 72% and 73%, respectively ($p < 0.001$). Our study showed the utility of preoperative Tg in predicting risk of malignancy. Its role should be further explored especially in the backdrop of indeterminate cytology through a larger study.

56. 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.

Rallapeta RP, Manthri RG, Kalawat T, Sachan A, Lakshmi AY, Hulikal N.

Indian J Nucl Med. 2020;35:110-15.

Background: In diabetic (DM) patients, hyperglycemia degrades image quality in F-18 FDG PET CT by altering bio-distribution of FDG in the body and augmenting soft tissue and muscular uptake. We intend to evaluate the use of short acting I.V insulin in minimising the rescheduling of patients detected with FBG >160 mg/dL on the day of scan. **Aim and objectives:** To show the utility of short acting IV insulin therapy in preparation of cancer patients incidentally detected with high blood glucose levels for F-18 FDG PET CT scan, (>160mg/dL) and to compare the obtained image quality with patients detected with

fasting blood glucose level (FBG) <100mg/dL and <160 mg/dL, using visual and semi quantitative methods.

Material and methods: 613 cancer patients referred for PET CT were divided into 3 groups, Group I (n=30): known diabetics (DM) or incidentally diagnosed with FBG >160 mg/dL, Group II (n=349): DM patients with FBG <160 mg/dL (100-160mg/dL), Group III (n=234): Non DM patients FBG <100mg/dL. In Group I short acting insulin was given intravenously using a sliding scale, post insulin after 90 minutes F-18 FDG (radiotracer) injection was given and PETCT scan was obtained 60 mins post radiotracer injection. Qualitative image analysis was done using biodistribution score and quantitative analysis was done by chi square test, ANOVA (analysis of variance) and paired *t*-test. **Results:** In group I patients post insulin there was significant decrease in FBG levels (216 ± 22.2 to 136 ± 13.4 mg/dL) and acceptable image quality. Comparison of quantitative parameters (mean and maximum SUV calculated by drawing ROI around brain, heart, liver, muscle, subcutaneous fat) among the 3 groups showed significant intergroup difference with *p* value <0.05. **Conclusion:** This short acting I.V insulin protocol is safe and can be used to obtain optimal quality F-18 FDG PET CT scan images by alleviating the need for rescheduling patients though they present with high glucose levels.

57. Association of Vitamin D with glycaemic control.

Kumar P S, Vinapamula KS, Suchitra M M, Sachan A

J Clin Sci Res 2020;9:131

We thank Al-Mendalawi for interest on our article. Community-based studies on Indian population have reported a high prevalence of Vitamin D deficiency, which might result in various skeletal and extra-skeletal adverse consequences. Studies conducted on diabetes patients also showed a high prevalence of hypovitaminosis D, which may further contribute to the development of complications, including cardiovascular disease and nephropathy, thus making it a requisite to evaluate Vitamin D levels in these patients. In this context, we agree with the authors suggestions that more number of well-designed case-control studies are needed to thoroughly understand the role of Vitamin D in diabetes mellitus.

58. Spectrum of Paediatric malignancies in a tertiary care center –A retrospective observational study from Andhra Pradesh, India.

Bhargavi D, Santhosh V, Priyadarshini KL, Phaneendra M, Sindhu P

Int J Sci Res 2020;9:40-1.

Background: Studies are scarce from Andhra Pradesh regarding the spectrum of pediatric cancers. Hence we aimed to study the demographic profile, type, and pattern of pediatric malignancies in a tertiary care centre. **Methods:** A retrospective observational study was conducted in the Department of Medical Oncology, SVIMS, Tirupati from June 2016 to July 2018. All patients aged 0-18 years with a confirmed diagnosis of malignancy were enrolled in the study, and data related to age, sex, and type of cancer were retrieved from clinical records. Descriptive statistics were used to analyze data by SPSS 22. **Results:** Of the 92 patients registered, 50(54%) had hematolymphoid malignancies, and 42(46%) had solid malignancies. The median age was 13 years, and 62(67.3%) were males, and 30(32.7%) were females. Leukaemia 38(41.3%) was the most common pediatric malignancy followed by lymphoma 17(18.4%), out of which Acute lymphoblastic leukaemia (ALL) was seen in 23(25%) and Hodgkin's lymphoma in 9(9.8%). Among solid tumours, Ewing's sarcoma was the most common malignancy 10(10.8%). **Conclusions:** ALL was the most common haematological malignancy, while Ewing's sarcoma was predominant type seen in solid malignancy.

59. Demographic characteristics, clinical presentation, risk factors and pathological types of lung cancer: A prospective study.

Soumya M, Mohan A, Harikrishna J, Bhargav K M, Ravisankar A, Rukmangadha N, Mantri R.

J Clin Sci Res 2020;9:16-24.

Background: Sparse published data are available regarding the epidemiology of lung cancer from Rayalaseema area of Andhra Pradesh State. **Methods:** Consecutive patients ($n = 133$) diagnosed to have and treated for lung cancer in medicine and medical oncology

departments at our tertiary care teaching hospital in Tirupati, South India from March 2017 to June 2018, were prospectively studied. In all patients, risk factors, clinical manifestations, method of confirmation of diagnosis and histopathological and cytopathological types were documented. **Results:** Their mean age was 56.4 ± 11.2 years; there were 93 (70%) males. No risk factors were evident in 110 (83%) patients. Tobacco smoking ($n = 69$, 52%) (all males) was the most frequently evident risk factor; other risk factors included exposure to arsenic, silicone, passive smoking, environmental exposure, old pulmonary tuberculosis. Their mean Fagerstrom score for nicotine dependence was 8.2 ± 1.7 . In 17% of patients, lung cancer was incidentally detected; the remaining 83% were symptomatic. Chief presenting complaints were cough (59%), dyspnoea (50%), haemoptysis (11%), amongst others. Cytopathological and histopathological diagnosis was done in 3% and 97%, respectively. Majority ($n = 123$, 92%) had non-small cell lung cancer (NSCLC) (60% adenocarcinoma and 17% squamous cell carcinoma), while small cell lung cancer was evident in 10 (8%). Most of them (52%) had presented in stage 4. **Conclusions:** Our observations suggest that tobacco smoking still remains the most common risk factor for lung cancer; majority of the patients had NSCLC, and most patients presented late with stage 4 disease.

60. Serum procalcitonin as a biomarker of bloodstream infection & focal bacterial infection in febrile patients.

Harikrishna J, Mohan A, KalyanaChakravarthi DP, Chaudhury A, Siddhartha Kumar B, Sarma KVS.

Indian J Med Res 2020;151;342-9.

Background & objectives: Bacteraemia is a serious form of infection in patients presenting with fever, thus, there is a necessity for a biomarker for rapid diagnosis of bacteraemia in such patients to make better therapeutic decisions. This study was conducted to measure the serum procalcitonin (PCT) levels at the time of initial presentation as a biomarker for identifying bacteraemia and as a predictor of mortality in patients admitted with acute fever. **Methods:** Four hundred and eighty patients, who presented with acute fever requiring admission to a tertiary care teaching hospital in south India, were prospectively

studied. All patients were evaluated with a detailed history, physical examination, laboratory and imaging studies. Baseline serum PCT was measured for each patient within six hours of admission. **Results:** Among patients with single infectious cause (n=275), significantly higher median serum PCT levels were evident in bacteraemia compared to leptospirosis ($P=0.002$), dengue ($P<0.001$), scrub typhus ($P<0.001$) and evident focus of infection without bacteraemia ($P=0.036$). By receiver-operator characteristic curve analysis, at a cut-off value of >3.2 ng/ml, the sensitivity and specificity of serum PCT levels in predicting bacteraemia were 81.1 and 63.3 per cent, respectively. As per the worst-case scenario analysis, 91 (18.9%) patients had a poor outcome and these had significantly higher median serum PCT levels compared to survivors (n=389) [9.46 (2.03-44.4) vs. 1.23 (0.34-7.645); $P<0.001$]. At a cut-off value of >3.74 ng/ml, serum PCT levels at initial presentation predicted in-hospital mortality with a sensitivity and specificity of 67 and 67.5 per cent, respectively. **Interpretation & conclusions:** Our observations suggest that serum PCT level may be a useful biomarker for identifying bacteraemia as well as predicting mortality in patients with acute fever requiring admission to hospital.

61. Aetiology, clinical presentation and outcome in patients with community-acquired pneumonia requiring hospitalisation: A prospective study.

Harikrishna J, Pradeep V, Mohan A, Bhargav KM, Chaudhury A, Vijayalakshmi Devi B, Sarma KVS

Indian J Chest Dis Allied Sci 2020;62:117-25.

Background: There is paucity of reliable published data from Andhra Pradesh, India regarding aetiology, clinical presentation and outcome in patients with community-acquired pneumonia (CAP) requiring hospitalisation. **Methods:** We prospectively studied 100 consecutive adult patients admitted with CAP during the period January 2018 to June 2019 at our tertiary care teaching hospital in Tirupati, Andhra Pradesh, South India. **Results:** Their mean age was 54.4 ± 15.7 years; there were 57 (57%) males. Single aetiology was found in 42% with influenza A (H1N1) pdm09 (12%), *Legionella pneumophila* (9%) being the most common; more than one concurrent aetiological

agents were found in 31%; and no aetiological agent could be established in 27% patients. Mechanical ventilation (both noninvasive ventilation [NIV] and invasive mechanical ventilation [IMV]) were required in 65 patients. NIV was required in 58 patients, of them 38 had recovered; 20 had NIV-failure and required tracheal intubation and IMV. Sixteen patients died; 12 due to CAP and the rest due to other causes. On receiver-operator characteristic (ROC)-curve analysis acute physiology and chronic health evaluation II (APACHE II) score ≥ 14 (sensitivity 84.5% and specificity 56.3%), pneumonia severity index (PSI) score ≥ 98 (sensitivity 72.6% and specificity 68.8%) and erythrocyte sedimentation rate (ESR) ≥ 76 (sensitivity 73.8% and specificity 62.5%) were predictors of death. On multivariable analysis need for IMV ($p<0.001$) emerged as an independent predictor of death. **Conclusions:** CAP can present with single or multiple concurrent aetiologies. A trial of NIV can obviate the need for IMV. On multivariable analysis, need for IMV is an independent predictor of death in patients with CAP.

62. Pulmonary function in hypothyroidism before and after restoration of euthyroid status.

Krishna Chaitanya PS, Suresh V, Mohan A, Sachan A, SreeDivya B, Raghavendra R, Manideepti D.

Indian J Chest Dis Allied Sci 2020;62:51-6.

Objective: Pulmonary manifestations are rarely a major problem in hypothyroid patients; though subtle restrictive pattern on spirometry has been reported. The effect of thyroxine replacement on spirometric indices has not been adequately studied. **Methods:** Patients with primary hypothyroidism (thyroid stimulating hormone [TSH] >15 mIU/L) not having any known pulmonary or cardiac pathological (N=42) were screened for inclusion in the study. All patients underwent spirometry and following parameters were recorded: forced expiratory volume in the first second (FEV1), forced vital capacity (FVC), FEV1/FVC ratio, mid-expiratory flow rate (FEV25%-75%), peak expiratory flow rate (PEFR), both as absolute values and as a percentage of the predicted value. Subsequently, patients were started on levothyroxine replacement treatment and the dosage was titrated to achieve euthyroid state. Spirometry was repeated two months or more after

the restoration of the euthyroid state. **Results:** Their mean age was 37.1 ± 12.6 years. No significant correlation was observed between thyroxine (T4) and thyroid stimulating hormone (TSH) and any of the baseline spirometric parameters. Comparison of spirometric parameters (as percentage of predicted values) before and after treatment showed a clinically significant improvement in FVC, FEV1 and FEF25%-75% ($P < 0.05$). **Conclusions:** Hypothyroidism was characterised by an asymptomatic; yet predominant restrictive pattern of pulmonary function abnormality. After thyroxine replacement, there was a significant improvement in the restrictive pattern.

63. Pooled testing for COVID-19 diagnosis by real-time RT-PCR: A multi-site comparative evaluation of 5- & 10-sample pooling.

Usha Kalawat

Indian J Med Res 2020;152:88-94.

Background & objectives: Public health and diagnostic laboratories are facing huge sample loads for COVID-19 diagnosis by real-time reverse transcription-polymerase chain reaction (RT-PCR). High sensitivity of optimized real-time RT-PCR assays makes pooled testing a potentially efficient strategy for resource utilization when positivity rates for particular regions or groups of individuals are low. We report here a comparative analysis of pooled testing for 5- and 10-sample pools by real-time RT-PCR across 10 COVID-19 testing laboratories in India.

Methods: Ten virus research and diagnostic laboratories (VRDLs) testing for COVID-19 by real-time RT-PCR participated in this evaluation. At each laboratory, 10 nasopharyngeal swab samples including 10 positive samples were used to create 5- and 10-sample pools with one positive sample in each pool. RNA extraction and real-time RT-PCR for SARS-CoV-2-specific E gene target were performed for individual positive samples as well as pooled samples. Concordance between individual sample testing and testing in the 5- or 10-sample pools was calculated, and the variation across sites and by sample cycle threshold (C_t) values was analyzed. **Results:** A total of 110 each of 5- and 10-sample pools were evaluated. Concordance between the 5-sample pool and individual sample testing was 100 percent in the C_t value ≥ 30 cycles and 95.5 per cent for C_t values ≥ 33 cycles. Overall concordance between

the 5-sample pooled and individual sample testing was 88 per cent while that between 10-sample pool and individual sample testing was 66 per cent. Although the concordance rates for both the 5- and 10-sample pooled testing varied across laboratories, yet for samples with C_t values ≥ 33 cycles, the concordance was 90 per cent across all laboratories for the 5-sample pools. **Interpretation & conclusions:** Results from this multi-site assessment suggest that pooling five samples for SARS-CoV-2 detection by real-time RT-PCR may be an acceptable strategy without much loss of sensitivity even for low viral loads, while with 10-sample pools, there may be considerably higher numbers of false negatives. However, testing laboratories should perform validations with the specific RNA extraction and RT-PCR kits in use at their centres before initiating pooled testing.

64. Lophomonas blattarum: A new flagellate causing respiratory tract infections.

Chaudhury A, Parija SC

Trop Parasitol 2020;10:7-11

Lophomonas blattarum is a flagellate protozoan parasite which was originally described as a commensal in the gut of cockroaches. From the 1990s, reports started coming out of the Peoples Republic of China about its possible role in bronchopulmonary infections, and this was followed by reports from some other parts of the world as well. There had been some skepticism regarding the misidentification of bronchial ciliated epithelial cells as *L. blattarum*, but recent use of molecular diagnosis has come as an aid in clearing the controversy. This review focuses on the various aspects of the parasite including its biology, epidemiology, clinical manifestations, laboratory diagnosis, and the treatment aspects. Molecular diagnosis has recently been employed and more reports concerning its validation is needed. More basic research concerning the genomic and proteomic analysis is necessary to develop reliable molecular and serological tests for this parasite in future.

65. A study of bacterial pathogens obtained from various samples in a tertiary care hospital and their antimicrobial susceptibility patterns.

Ramakrishna N, Jayaprade R, Sharma K K, Yamini S, Srikala V S.

J Clin Sci Res 2020;9:200-5.

Background: Antimicrobial resistance (AMR) is of great concern in recent years as it is posing a global threat. The present study was undertaken to identify the prevalence of common bacterial isolates and their antimicrobial susceptibility patterns and to tackle the AMR by strict implementation of antibiotic stewardship programme (AMSP). **Methods:** We prospectively studied the microbiome and its antibiotic susceptibility patterns from various clinical samples at our tertiary care hospital, from January to June 2018. All samples were processed as per standard protocols. Antibiotic susceptibility testing was performed using Kirby–Bauer disc diffusion method as per the Clinical and Laboratory Standards Institute 2016 guidelines. **Results:** *Escherichia coli* was the predominant organism followed by *Klebsiella* spp, *Acinetobacter* spp and *Pseudomonas* spp. More than 50% resistance was observed to third generation cephalosporins and quinolones in all Gram negative isolates. Methicillin-resistant *Staphylococcus aureus* and methicillin-resistant coagulase negative *Staphylococcus* constituted 41% and 54% respectively. Vancomycin intermediate-sensitive *S. aureus*/vancomycin resistance *S. aureus* were not evident. Vancomycin-resistant enterococci ($n = 10$) were also isolated, but all were sensitive to linezolid. **Conclusions:** The present study highlights the alarming development of multidrug-resistance to almost all the drugs with a very few exceptions. Continuous and periodic evaluation of bacteriological profile and its susceptibility patterns are helpful in formulating appropriate antibiotic policy to tackle the AMR.

66. A study of microbiome and its antimicrobial susceptibility patterns among central line-associated bloodstream infections.

Sharabu Y, Ramakrishna N, Rangineni J, Sharma KK, Sanangula SV.

J Clin Sci Res 2020;9:101-4.

Introduction: Central line-associated bloodstream infections (CLABSI) are the most frequent cause of health-care-associated infections and significantly increase cost and hospital length of stay. **Methods:** We retrospectively studied hospitalised patients having a

central line access during the period 2016-2018, to study patients with CLABSI at our tertiary care hospital.

Results: Average CLABSI rate was 16.7 per 1000 central line days for 3 years. Most of the infections were caused by *Staphylococcus aureus* (18.9%), followed by non-fermentative Gram-negative bacilli (*NFGNB*) (16%), *Klebsiella* spp. (15.1%), *Acinetobacter* spp. (14.2%) and coagulase-negative *Staphylococcus* (CoNS) (13.2%). A higher proportion of CLABSI was observed with femoral lines (59.7%), followed by jugular lines (35.8%) and subclavian lines (9.4%). This study showed multidrug-resistant pathogens as a causative agent of CLABSI.

Conclusion: CLABSI is a common entity, especially in intensive care unit settings. *S. aureus*, *NFGNB*, *Klebsiella* spp., *Acinetobacter* spp. and CoNS were the common pathogens isolated in our study. Strict implementation of CLABSI bundle care plays an important role to minimise the CLABSI rate.

67. Rhabdomyolysis due to hypothyroidism without any precipitating factor.

Varalakshmi DB, Ram R, Siva Kumar V.

Trop Doct 2020;50:273-4.

Rhabdomyolysis may develop due to hypothyroidism alone without any precipitating factors, but such reports are rare. We report as such the first manifestation of hypothyroidism.

68. Cerebral abscess and calvarial osteomyelitis due to *Burkholderia pseudomallei* in renal transplant recipient.

Raja Amarendra M, Naveen Kumar K, Maria B M, Alekhya B, Sunnesh reddy A, B Sangeetha, R Ram, Siva Kumar V.

Transpl Infect Dis 2020;28:e13530.

Melioidosis is an infection of humans caused by the saprophytic bacterium *Burkholderia* (previously *Pseudomonas*) *pseudomallei*. We present a patient of cerebral abscess and calvarial osteomyelitis due to *Burkholderia pseudomallei* in a post renal transplant recipient. We treated the patient with ceftazidime for 3 weeks, followed by trimethoprim- sulphamethoxazole for

6 months. The superficial abscess reduced in size at the end of first month and subsided gradually. A repeat MRI showed reduction in intracranial abscess. Patient had no neurological deficit.

69. Neurological manifestations and electrophysiological findings in patients with de novo detected hypothyroidism.

Omprakash Bandaru, Naveen Prasad SV, Vengamma Bhuma, Alok Sachan, Tirupati Kedar, Usha Chowdary K Madineni, Manideep Malaka.

Int J Med Adv Clin Res 2020;3:204-13.

Introduction: Hypothyroidism is a very common condition. The most common neurological symptoms caused by hypothyroidism are dementia slowed mental processing, depression, nerve entrapment syndromes, ataxia, muscle weakness and muscle cramps. Recognition of these complications early in the course of the disease is important because prompt and early treatment of hypothyroidism will reverse these complications. **Material & Methods:** This prospective study included 35 de novo diagnosed hypothyroidism patients during August 2013 and November 2014. Neurological Examination included assessment of cognitive functions by Folstein Mini Mental Status Examination (MMSE) which is a 30 point questionnaire. Electrophysiological studies were performed using Medelec synergy (VIASYS Health Care, USA) at electrophysiology lab. Nerve conduction studies were done for all patients and age-matched controls in the same laboratory. **Results:** Cognitive dysfunction was seen in 5.7% of our patients. Depression was noted in 14% of our patients. Muscle pains and cramps were seen in 11.4% and one patient had proximal muscle weakness in lower limbs. Nerve conduction studies revealed that 51% of patients with de novo hypothyroidism had electrophysiological evidence of neuropathy. BAEP evaluation in the present study showed that both peak latencies and interpeak latencies are prolonged, suggesting that nervous system dysfunction seen in hypothyroidism is diffuse in pattern, affecting both peripheral conduction time and central conduction time. **Conclusion:** Hypothyroidism is a common condition causing neurological complications involving both central nervous

system and peripheral nervous system. It is recommended that thyroid function tests should be included in the work up of dementia, depression, parasthesias and myopathies. BAEP evaluation suggesting that nervous system dysfunction seen in hypothyroidism is diffuse in pattern, affecting both peripheral conduction time and central conduction time.

70. A study of prognostic significance of serum troponin I in patients with acute ischemic stroke.

Pynam P, Vengamma B, Naveen prasad SV, Challa SN, Rakesh R.

J Clin Sci Res 2020;9:11-5.

Background: Serum troponins have also been reported to be elevated in patients with acute cerebrovascular disease and poor clinical outcome. **Methods:** We prospectively evaluated 360 patients with acute ischaemic stroke (AIS) to study the relationship between serum troponin I (TnI) levels and severity of AIS and to compare serum TnI levels in patients with favourable and unfavourable functional outcomes. **Results:** Their mean age was 58.8 ± 13.3 years; there were 230 (63.9%) males. Majority ($n = 288$; 80%) had presented with anterior circulation stroke and 58 (16.1%) had posterior circulation stroke. Majority (52.5%) had large artery atherosclerosis. The median (interquartile range) National Institutes of Health Stroke Scale (NIHSS) score was 18 (16–20). Serum TnI was positive in 87 (24.2%) and negative in 273 (75.8%). The NIHSS score at admission was higher in the positive serum TnI group. Moderate-to-severe stroke, severe stroke and cardioembolic stroke were more frequently seen in the serum TnI-positive group. Outcome was favourable in 157 (47.7%) and unfavourable outcome was seen in 172 (52.3%) patients.

Conclusions: Elevated serum TnI levels were associated with increased severity of AIS and poor functional outcome.

71. CYP2C9 Polymorphisms are associated with phenytoin toxicity in South-Indian epileptic patients.

Reddygari R, Naveen prasad SV, Vengamma B, Sharma PVGK, Appa Rao A.

J NTR Uni Health Sci 2020;992-7.

Background and Aims: The contribution of CYP2C9 in phenytoin metabolism is generally modest, but it increases with increasing serum phenytoin concentration. In the current study, we sought to study the association of CYP2C9*2 and CYP2C9*3 polymorphism with clinical and biochemical phenytoin toxicity in epileptic patients presenting to a tertiary care hospital in South-India.

Methods: In total, 50 patients on phenytoin therapy and clinically diagnosed with phenytoin toxicity in neurology outpatient department/casualty/intensive care unit and medicine wards were considered as cases. A total of 50 patients on phenytoin therapy without any evidence of toxicity were considered as controls. CYP2C9*2 (exon-3) and CYP2C9*3 (exon-7) gene polymorphisms were studied using the allele specific PCR method. **Results:** Out of 100 patients, CYP2C9*2 polymorphism was seen in 8 (8%) patients in which 6 (12%) were cases and 2 (4%) were controls. CYP2C9*3 polymorphism was seen in 23 (23%) patients out of which 17 (34%) were cases and 6 (12%) were controls. Mean serum phenytoin level in cases was 24.23 ± 1.3 ?g/ml, whereas in controls, it was 17.10 ± 0.6 ?g/ml and the difference was statistically significant with P value <0.0001 . Mean serum phenytoin level among patients with CYP2C9 polymorphism was 25.21 ± 4.72 ?g/ml, whereas among patients without polymorphism, it was 17.51 ± 3.51 ?g/ml ($p < 0.0001$). **Conclusion:** Our findings conclude that the presence of CYP2C9*2 and CYP2C9*3 polymorphisms are associated with increased serum phenytoin levels and increased risk of clinical toxicity with phenytoin.

72. Woman and ageing: Extent of the problem and the way ahead.

Vengamma B.

J Clin Sci Res 2020;9:75-6.

Some unicellular organisms, cancer cells and some fishes do not age; it is not clear so as to why mammals, especially

humans, age. Ageing is an imperfectly understood phenomenon characterised by a mixture of cellular and systemic physiological changes that are intrinsic to the species and environmental factors that interact with these processes. While the bodily changes of ageing have been documented, what actually causes ageing is not known. Ageing is considered to be both a biological and a social construct. Various mechanisms postulated for ageing include telomere shortening, random damage, somatic mutations, error catastrophe, pleiotropic antagonism, growth inhibitors and suicide genes. Other postulated mechanisms for ageing include infections, environmental factors such as radiation, autoimmunity, hormonal and nutritional factors, neoplasms and metabolic disorders. The term life span refers to 'the number of years a person can live if all environmental risk factors are removed'; life expectancy refers to the number of years a person can live in a given environment. Ageing in years constitutes chronological ageing; ageing of biological systems is termed biological ageing. Psychological ageing refers to ageing of the mental faculties. Elderly have been variously defined as over and above 60 years, 65 years. Terms such as young?old (60–69 years), old?old (70–79 years) and older?old/very old (80 years and above) have been used. The biological process of ageing is senescence. Gerontology refers to a scientific study of elderly and ageing. Geriatrics is the study of clinical problems of elderly. Elderly population is on the rise globally.[1] As per the estimates of World Health Organization (WHO), the number of people aged above 60 years will be twice (22%) than that of 2000 (11%) by 2050.[2] In India, the expected increase in population aged over 60 years is 10.7% by 2021.[3,4] In contrast to sex, a biological term, gender refers to the roles, responsibilities and opportunities assigned to women and men by family and society. Women aged 50 years and older are referred to as older women. However, ageing women refers to the same age group but denotes the ageing process that can occur at different rates among individuals or groups. In the context of female gender, ageing is also thought to be a continuum of independence, dependence and interdependence, i.e., from independent through those requiring assistance to those dependent on others for support and care. Ageing women are becoming a sizable proportion of world's population. The number is likely to increase from existing 336 million (2000) to over 1 billion by 2050. Ageing women outnumber

ageing men, and this contrast becomes more with age. Currently, the worldwide ratio of women to men above 60 years of age is 123/100. This ratio is higher in developed countries, but majority of ageing women live in developing countries, where population ageing is occurring at a rapid pace. The increase in numbers is highest in the oldest?old (age 80?plus) group, with a worldwide ratio of women to men reaching 180/100. By age 100, this ratio leaps to 385/100. It is this oldest?old who most often require help with day?to?day activities amounting to chronic care. Older women land up in significant inequities in health as compared to their male counterparts due to many factors. These factors include lower literacy rate, different working patterns, women pursue and financial insecurity. The additive effect of gender and age discriminations account for poverty in older women. Further, ageing women do not get the benefits of social progress that occurred in tackling violence and abuse. This is one factor that should be a part of research and policies in this area. However, older women still do not receive their due because of exclusion in research. The tendency of clinical studies is still to focus adult age group and men, leading to paucity of findings on gender differences in the social determinants of health. Even the longitudinal studies on the social determinants of health and health conditions in ageing had little gender analysis. Life expectancy is longer in women in both developed and developing countries. Non?communicable diseases, such as heart disease and stroke, osteoarthritis and osteoporosis, breast and cervical cancer, are the predominant causes of disability and death in women in the world except Africa. Around 80% of deaths due to chronic disease are seen in middle? and low?income countries, where majority of ageing women live. More older women are blind compared to their male counterparts, as they not only live longer but also have restricted access to treatment. Gender, interacting with factors such as age, social support, culture and violence, is a strong determinant of mental health. While mental illness observed in women is not different in incidence compared to men, they are more prone to anxiety and depression. The likelihood of developing Alzheimer's disease and other dementias is equal in men and women, but the prevalence is higher in women due to their higher longevity. Women have two times more chance of a depressive episode. The causes, especially in the later years of life, may be related to socioeconomic status, medical disorder or stressful life

events such as bereavement and caring for chronically ill family members and friends. Furthermore, ageing women, who do carry a risk of developing for human immunodeficiency virus (HIV) infection and other sexually transmitted infections, are required to face a disproportionate burden of the disease sequelae. The HIV/AIDS epidemic in Sub?Saharan Africa is an example where it had devastating impact on health, economic, social and psychological aspects of older women. Thus, there appears to be a gender difference in ageing and women particularly appear to be more vulnerable. Several approaches to address this problem such as the three pillars of a policy framework for active ageing (health care, participation and security) have been postulated. For these to be effective, there is a need for political will, administrative support, ownership and commitment, which are presently not well organised.[5?7] Only then, the removal of misconceptions and negative attitudes about older women along with empowering older women to take an active role in economic growth and development process will be possible. This development definitely will have a high impact on the growth of the society as the ageing woman has abundant experience playing crucial roles in development of family and society.

73. Assessment of intracranial and Extracranial atherosclerosis in patients presenting with ischemic stroke.

Vengamma B, Saineelima Challa, Vijaya Lakshmi Devi B, Naveen Prasad SV, Pranuthi Panyam, Rkesh Reddy.

J Clin Sci Res 2020;9:155-9.

Few Indian studies are available which have examined the risk factors and extracranial and intracranial vascular observations in patients with stroke. **Methods:** We prospectively studied the burden of intracranial atherosclerosis (ICAS) and extracranial atherosclerosis (ECAS) in patients (n = 300) with acute ischaemic stroke and study the vascular disease to the outcome of the patients. **Results:** Their mean age was 57.8 ± 14.2 years; there were 183 (61%) males. The frequency of risk factors were hypertension (73%), diabetes mellitus (46%), tobacco smoking (34%), dyslipidaemia (39.3%), alcoholism (27%), previous stroke (21%), chronic kidney disease (CKD) (9%) and hyperhomocystinaemia (15%). Multiple and single territory infarction was evident in 103 (34.3%) and 197

(65.7%), respectively. Both ICAS and ECAS were evident in 117 (39%), whereas 111 (37%) had ICAS and 36 (12%) had ECAS. On univariate analysis, the presence of CKD ($P = 0.01$), previous stroke ($P = 0.02$), ICAS and combined ICAS plus ECAS were associated with unfavourable outcome ($P = 0.0001$). On multivariable analysis, age >58 years (odds ratio [OR] 1.04, 95% confidence intervals [CI] 0.71–0.89, $P < 0.0001$), female gender (OR 0.6, 95% CI 0.41–0.87, $P = 0.008$), National Institutes of Health Stroke Scale score >18 (OR 0.75, 95% CI (0.71–0.80, $P < 0.0001$) were associated poor functional outcome.

Conclusions: ICAS was more common than ECAS. ICAS and combined ICAS plus ECAS were associated with unfavourable outcome.

74. Clinical, radiological and micro neurosurgical aspects in the management of intracranial epidermoid cysts: Experience with 38 cases.

Ramesh Chandra V V, M. Prasad B C, Vayyala N, Paradesi R.

J Clin Sci Res 2020;9:144-9.

Objectives: There is considerable debate in the surgical management of epidermoid cyst whether gross total or subtotal resection yields better long term outcomes. We present our institutional experience in evaluating the clinical presentation, diagnosis and surgical strategy and extent of resection in the management of intracranial epidermoid cyst. **Methods:** We retrospectively reviewed the case records of 38 patients with intracranial epidermoid tumors surgically treated at our institution between 2010 and 2019. **Results:** A total of 38 patients who underwent surgery for intracranial epidermoid lesions were identified. Of these 17 were supratentorial, 20 were infratentorial lesions and one case lesion was extending from cerebellopontine region to middle fossa. The mean duration from onset of symptoms to surgery was 3.9 years. Cranial nerve dysfunction was noted in 73% of patients preoperatively most of them being the Cerebellopontine angle epidermoids. Total removal was achieved in 28 patients, near-total removal in 8 patients, and subtotal removal in 2 patients. 6 patients developed recurrence radiologically of them only one patient became symptomatic. Of the six 2 were patients who underwent gross total resection and the remaining 4 were from near and subtotal resection. The mean duration of follow-up

was 3.8 years. The content of the tumor was pearly white/white material in all cases. complications noted in the present series were not related to the completeness of excision. Mortality was noted in one patient. **Conclusions:** The present study highlights various precautions to be taken intraoperatively in the prevention of development of aseptic meningitis and concludes that total removal of epidermoids does not result in significantly increased morbidity and mortality and should be the goal of surgical treatment. However, near/subtotal resection of lesions that are densely adherent to neurovascular structures is justified, as there is no significant difference in the rate of recurrence. An endoscope can be used to assess the completeness of surgery.

74. Microneurosurgical aspects in the management of posterior cranial fossa epidermoids: experience of 24 cases.

Chandra VVR, Prasad BCM, Niranjana V, Rajesh P.

Int J Res Med Sci 2020;8:606-12.

Background: There is considerable debate in the surgical management of epidermoid cyst, whether gross total or subtotal resection yields better long term outcomes. We present our institutional experience in evaluating the clinical presentation, diagnosis, and surgical strategy and extent of resection in the management of posterior cranial fossa epidermoid cyst. **Methods:** A retrospective review of 24 patients diagnosed with posterior cranial fossa epidermoid tumors surgically treated at the institution between January 2010 and July 2019. **Results:** A total of 24 patients who underwent surgery for intracranial epidermoid lesions were identified. Of these 13 were in the Cerebellopontine angle region, eight were in the fourth ventricle, and three in lateral cerebellar convexity. The mean duration from onset of symptoms to surgery was 1.6 years. Cranial nerve dysfunction was noted in 73% of patients preoperatively, most of them being the CPA epidermoids. Total removal was achieved in 16 patients, near-total resection in 6 patients, and subtotal removal in 2 patients. Three patients developed recurrence radiologically of them only one patient became symptomatic. The mean duration of follow-up was 3.8 years. The content of the tumor was pearly white material in all cases. Complications noted in the present series were

not related to the completeness of excision. Mortality was noted in one patient. **Conclusions:** The present study highlights various precautions to be taken intraoperatively in the prevention of development of aseptic meningitis and concludes that total removal of epidermoids does not result in significantly increased morbidity and mortality and should be the goal of surgical treatment. However, near/subtotal resection of lesions that are densely adherent to neurovascular structures is justified, as there is no significant difference in the rate of recurrence. An endoscope can be used to assess the completeness of surgery.

76. Clinical outcomes following surgical management of brain abscess in a tertiary care centre: retrospective analysis of 56 cases.

Ramesh Chandra VV, Prasad BCM, Niranjana V, Barde NM.

Int J Res Med Sci 2020;8:430-7.

Background: Despite the advent of newer antibiotics and surgical strategies, the overall outcome and quality of life issues in Brain Abscess (BA) patients remain a continuous challenge for the neurosurgical community.

Methods: Fifty-six patients with BA are analyzed retrospectively, that treated between January 2014 and June 2019, according to age, the clinical symptoms, etiologic factors, infecting organisms, prognostic factors, localization, diagnostic and treatment methods and outcome. **Results:** In acute cases, common clinical features were headache, fever, vomiting, focal deficit and seizure. In chronic abscesses, common clinical features were mild to moderate headache and progressive focal deficit. In 12(21.42%) patients had adjacent localized sinus, middle ear infection. In 27(48.21%) patients no primary source of infection was identified, predisposing factors included post neurosurgery (8.92%), post penetrating injury (3.57%), and congenital heart disease, infective endocarditis, sinusitis. The frontal lobe involved in 28.5% cases, temporal lobe and cerebellum are next to be involved. Burr hole aspiration in 29(51.78%) cases, a craniotomy was done in 15(26.78%) cases. Pus culture was negative in 36 (64.28%) cases. Mortality was noted in 2(3.57%) cases. Complete resolution of the abscess with complete recovery of preoperative neuro-deficit was seen in 71.42% cases and recovery with major neuro-deficit

was observed in 16.07% cases. The best outcome was seen with a better Glasgow Coma Scale (GCS) on admission.

Conclusions: BA, when surgery is required, should be done on an emergency basis. BA treated with burr hole aspiration shows excellent clinical and radiological response. A craniotomy is required in selected cases and is a primary procedure in cerebellar, postoperative and posttraumatic abscesses. Broad-spectrum antibiotic therapy should be administered for a period of minimum 6 weeks to prevent relapse.

77. Role of Surgery in Intracranial Tuberculomas and Proposal of a Novel Diagnostic Criteria for Diagnosis (Sri Venkateswara Institute of Medical Sciences-SVIMS Criteria).

Chandra Vemula R, Prasad BCM, Koyalmantham V, Hanu G.

World Neurosurg 2020;138:e52-e65.

Objective: Intracranial tuberculomas (IT) are often misdiagnosed or overdiagnosed, resulting either in delay in treatment of this curable illness or in unnecessary surgical intervention. A new method of diagnostic criteria for preoperative diagnosis of IT is proposed. **Methods:** A retrospective analysis was performed of all patients with a preoperatively suspected diagnosis of IT who were operated on at our institute from 2010 to 2019. The patients were divided into 2 groups: biopsy-proven IT and biopsy ruled out IT. Tests of diagnostic accuracy were applied for each finding. **Results:** A total of 69 patients were operated on in the given period, 40 of whom were proved by biopsy as having tuberculoma. In the remaining 29 patients, the biopsy ruled out tuberculoma. Three features were identified as major criteria and 7 features were identified as minor criteria. We suggest that the diagnosis of IT should be made preoperatively, in the presence of 3 major criteria, 2 major and 3 minor criteria, 1 major and 5 minor criteria, or 7 minor criteria. By applying these diagnostic criteria to each of the 69 patients, we could diagnose IT in all 40 patients and exclude IT in all 29 patients preoperatively.

Conclusions: We suggest that empirical antituberculous treatment should be started in a patient without the need for invasive surgery if our criteria are met. If the criteria are not met, we suggest further evaluation of the patient for an alternative diagnosis or early surgery for definitive

management. Surgery decreases the duration of antituberculous treatment and helps in early resolution of lesions.

78. Patient Outcomes Following Obliteration of Spinal Dural Arteriovenous Fistula and the Role of Indocyanine Green Angiography Videoangiography (ICG-VA) During Surgery.

Koyalmantham V, Kale SS, Devarajan LJ, Phalak M, Chandra P S, Suri A, Kumar R, Tandon V.

Neurol India 2020;68:118-23.

Background: Spinal dural arteriovenous fistula (SDAVF) is a known cause of progressive myelopathy which can be treated either by surgery or embolization. Indocyanine green angiography videoangiography (ICG-VA) during surgery can locate the exact location of AV. shunting. Objective: To determine the clinical outcome following obliteration of the fistula and to study the role of ICG in identifying the presence and location of SDAVF; to add a comparative study of patients treated by embolization.

Materials and Methods: Patients treated for SDAVF in our centre from 2005 to 2015 were studied for clinical and radiological features, and outcome following obliteration of fistula. **Results:** Of the total 33 patients (27 males, six females), 19 patients were operated without the use of ICG, nine were operated with the use of ICG and successful embolization was done in five. Acute presentation was seen in five. Single feeder was seen in 20 patients, multiple in 13. Mean follow-up was 58 months. All patients in ICG group improved. Three out of 19 patients in the non-ICG group (15.78%) required re-operation. With the use of ICG, the improvement in Aminoff Logue score was significantly better ($P < 0.005$). Embolization was tried in 13 cases, but successful in five (38%). **Conclusion:** Surgery with intraoperative ICG shows the exact location of AVF. This decreases the chance of postoperative clinical deterioration and improves patient outcome

79. Trephine Craniotomy versus Burr Hole Drainage for Chronic Subdural Hematoma—An Institutional Analysis of 156 Patients.

Chandra Ramesh Prasad B, Koyalmantham Venkat.

Indian J Neurotrauma 2020;17:110-20

Introduction: Some neurosurgeons believe that doing a trephine craniotomy (TC) decreases the chance of recurrence in chronic subdural hematoma (cSDH). But this is not supported by any evidence. **Methods:** A retrospective analysis of patients who were operated for cSDH from 2014 to 2019 at our institute was done. Factors causing recurrence were studied. **Results:** A total of 156 patients were operated in the given period, among which 88 underwent TC and 68 patients underwent burr hole drainage (BHD) for evacuation of cSDH. All patients underwent two trephines or two burr holes placed according to the maximum thickness of the hematoma. Rate of recurrence in trephine group was 12.5% and in burr-hole group was 11.76% and was not statistically significant. Significant factors for recurrence included nontraumatic cSDH, anticoagulant use, presence of membranes, preoperative computed tomography (CT) showing iso- or mixed-density subdural collection and SDH volume > 60 mL. There was selection bias for the procedure. Patients with subdural membranes were preferentially taken for TC as the percentage of subdural membrane found intraoperatively was significantly greater in trephine group (51.1%) than burr-hole group (17.6%) (p value < 0.001). When all the patients who showed membranes in CT scan were excluded, there was no statistical difference in the base line characteristics of both the groups. After excluding the patients with membranes in preoperative CT scan, there was no significant difference in recurrence rate between the two groups. In TC group with membranes, 8 out of 45 had recurrence, whereas in burr-hole group with membranes, 8 out of 12 had recurrence. This difference was statistically significant. (p value < 0.001). **Conclusion:** Surgical intervention in both modalities improves patient outcome with an overall recurrence rate of 12.17%. In the absence of any identifiable membranes in preoperative CT scan, BHD is the preferred surgical intervention. We prefer TC as first choice for patients with membranes in CT scan.

80. Gooseneck Flexible Brain Retractor—Utility of Flexible Gooseneck Tubing in Neurosurgery.

Ramesh Chandra VV, Prasad BC, Hanu TG.

Neurol India 2020;68:880-1.

Introduction: Brain retractor is an indispensable instrument in Neurosurgery craniotomy set. Gooseneck

tubing is an engineering marvel and has many applications (Reading lamp, Microphone, Tablet/phone holder, etc). We present a brain retractor made with an ultra-light duty Gooseneck tubing and report its use in five craniotomies for various pathologies. **Methods and results:** The traditional flexible brain retractor (Leyla) consists of three principal parts: a fixation base, a flexible arm or arms, and a blade holder. We replaced the flexible arm by an ultra-light duty Gooseneck tubing in our new retractor. The retractor proved very useful in the five cranial surgeries done and no complications were noted during its use. **Conclusion:** Gooseneck flexible Brain Retractor is a safe and cheaper alternative to the presently available brain retractor system. It has several advantages compared to traditional retractor. The efficacy and supremacy over traditional retractor systems need to be confirmed by further studies.

81. Role of Intraoperative ICP And CPP Measurement for Predicting Surgical Outcome in Severe Traumatic Brain Injury.

Ramesh Chandra VV, Chandra Mowliswara Prasad Bodapati, Rajesh Paradesi.

Indian J Neurotrauma 2020;17:121–9

Introduction: Traumatic brain injury (TBI) is one of the leading causes of mortality and disability worldwide, and optimizing the management of these patients is a continuing challenge. Intraoperative intracranial pressure (ICP) and cerebral perfusion pressure (CPP) were evaluated for use as prognostic indicators after surgery for severe TBI. Although ICP and CPP monitoring is standard postsurgery treatment for TBI, very few studies have reported the use of ICP and CPP values monitored during surgery. **Objectives:** The objectives of this study were to evaluate the use of intraoperative ICP and CPP values as prognostic indicators and as subjective guidelines for managing severe TBI. **Materials and Methods:** All patients with severe TBI who underwent surgical decompression and ICP monitoring intraoperatively were included in our study from 2017 to 2018. We measured ICP and CPP values after creation of the first burr hole, after hematoma evacuation, and after wound closure.

82. Prospective study of complications in neurosurgery and their impact on the health related quality of life (HRQOL) – Proposal of a new complication grading in neurosurgery based on HRQOL.

Ramesh Chandra VenkataVemula, BCM Prasad, Kunal Kumar.

Inter Discip Neurosurg:AdvTech Case Manag 2021;23:101002.

Objective: To study various complications in neurosurgery and their impact on the health related quality of life (HRQOL) and proposal of a complication grading system in neurosurgery that is based on or at least incorporates HRQOL. **Methods:** The study was conducted in the Department of Neurosurgery at Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati. Patients operated between June 2018 to July 2019 and after satisfying the “inclusion criteria” were included in the study, those patients who developed complication(s) after surgery as per our “definition of complication” constituted the “study group” and were followed-up for maximum three months. Diseases were categorised, complications initially graded as per Landriel scale. For measuring the health related quality of life (HRQOL), EUROQOL (EQ-5D-5L-5L) scale was used and HRQOL was noted at admission, after complication, at discharge and at follow-up and the results were analysed to measure the impact of complication on HRQOL. **Results:** Out of total of 2186 patients operated, 212 developed complications (16.48%), cranium cases having 3.64 times risk than spine cases. Brain tumours, vascular disorders and spinal tumours had highest relative risk, age and sex doesn't seem to have any significant effect on rate of complication, respiratory complications f/b CSF leak and cranial nerve palsies were most common complication. Sudden onset cardiac arrest, tumour bed hematoma, hydrocephalus, limb weakness and respiratory distress most severely affected the HRQOL. **Conclusion:** Treatment based grading of complications do not efficiently reflect the correlation with impact on HRQOL. EQ-5D-5L Index score can be used as a HRQOL scale and complication based HRQOL is a must in this modern era. Landriel scale performed satisfactorily as a group when considering HRQOL, but has lacunae when considered on individual patient basis, for which we propose HRQOL based SVIMS COMPLICATION GRADING and MODIFIED LANDRIEL SCALE incorporating HRQOL.

83. Prospective randomised study comparing Billroth II with Braun anastomosis versus Roux-en-Y reconstruction after radical distal gastrectomy for gastric cancer.

Parthasarathy S, Radhakrishna K, Kalawat T C, Phaneendra B V, Vutukuru VR.

J Clin Sci Res 2020;9:150-4

Background: Enterogastric reflux of bile is a major cause of morbidity following distal gastrectomy. Various reconstructive methods were developed to overcome this.

Methods: A prospective randomised study included all patients undergoing distal gastrectomy for gastric cancer was conducted during the period June 2012 and November 2016. After resection, they were randomized to undergo Billroth II with Braun anastomosis (BEE) ($n = 28$) or Roux-en-Y (RY) gastrojejunostomy ($n = 26$). Endoscopy and biliary scintigraphy were done at 3 months to assess the severity of gastritis and the presence of bile reflux in remnant stomach. Stomach was biopsied for histopathology. Quality of life (QOL) was assessed using gastric cancer-specific questionnaire.

Results: Demographics and nutritional status was similar. Intraoperative variables, post-operative recovery and hospital stay were not statistically different. Remnant stomach in BEE group showed more severe and extensive gastritis than RY group. The incidence of bile reflux on endoscopy was statistically significantly high in BEE ($P < 0.0001$). The histological findings of endoscopic biopsies were similar. The incidence of bile reflux on scintigraphy was lower in RY group (10.7% vs. 46.2%; $P = 0.03$). The QOL symptom score was similar. **Conclusions:** The incidence of bile reflux and severity of gastritis is less in patients who underwent RY gastrojejunostomy when compared to Billroth II with Braun anastomosis without any significant difference in QOL.

84. Demographic characteristics, clinical presentation, risk factors and pathological types of lung cancer: A prospective study.

Soumya M, Mohan A, Harikrishna J, Bhargav K M, Ravisankar A, Rukmangadha N, Mantri R.

J Clin Sci Res 2020;9:16-24.

Background: Sparse published data are available regarding the epidemiology of lung cancer from Rayalaseema area of Andhra Pradesh State.

Methods: Consecutive patients ($n = 133$) diagnosed to have and treated for lung cancer in medicine and medical oncology departments at our tertiary care teaching hospital in Tirupati, South India from March 2017 to June 2018, were prospectively studied. In all patients, risk factors, clinical manifestations, method of confirmation of diagnosis and histopathological and cytopathological types were documented. **Results:** Their mean age was 56.4 ± 11.2 years; there were 93 (70%) males. No risk factors were evident in 110 (83%) patients. Tobacco smoking ($n = 69$, 52%) (all males) was the most frequently evident risk factor; other risk factors included exposure to arsenic, silicone, passive smoking, environmental exposure, old pulmonary tuberculosis. Their mean Fagerstrom score for nicotine dependence was 8.2 ± 1.7 . In 17% of patients, lung cancer was incidentally detected; the remaining 83% were symptomatic. Chief presenting complaints were cough (59%), dyspnoea (50%), haemoptysis (11%), amongst others. Cytopathological and histopathological diagnosis was done in 3% and 97%, respectively. Majority ($n = 123$, 92%) had non-small cell lung cancer (NSCLC) (60% adenocarcinoma and 17% squamous cell carcinoma), while small cell lung cancer was evident in 10 (8%). Most of them (52%) had presented in stage 4. **Conclusions:** Our observations suggest that tobacco smoking still remains the most common risk factor for lung cancer; majority of the patients had NSCLC, and most patients presented late with stage 4 disease

85. 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.

Ramya Priya Rallapeta, Ranadheer Gupta Manthri, Tekchand Kalawat, Alok Sachan, AY Lakshmi, Narendra Hulikal.

Indian J Nucl Med 2020;35:110-5.

Background: In diabetic (DM) patients, hyperglycemia degrades image quality in F-18 FDG PET CT by altering bio-distribution of FDG in the body and augmenting soft

tissue and muscular uptake. We intend to evaluate the use of short acting I.V insulin in minimising the rescheduling of patients detected with FBG>160 mg/dL on the day of scan. **Aim and objectives:** To show the utility of short acting IV insulin therapy in preparation of cancer patients incidentally detected with high blood glucose levels for F-18 FDG PET CT scan, (>160mg/dL) and to compare the obtained image quality with patients detected with fasting blood glucose level (FBG) <100mg/dL and <160 mg/dL, using visual and semi quantitative methods.

Material and methods: 613 cancer patients referred for PET CT were divided into 3 groups, Group I (n=30): known diabetics (DM) or incidentally diagnosed with FBG >160 mg/dL, Group II (n=349): DM patients with FBG <160 mg/dL (100-160mg/dL), Group III (n=234): Non DM patients FBG <100mg/dL. In Group I short acting insulin was given intravenously using a sliding scale, post insulin after 90 minutes F-18 FDG (radiotracer) injection was given and PETCT scan was obtained 60 mins post radiotracer injection. Qualitative image analysis was done using biodistribution score and quantitative analysis was done by chi square test, ANOVA (analysis of variance) and paired t-test. **Results:** In group I patients post insulin there was significant decrease in FBG levels (216 ± 22.2 to 136 ± 13.4 mg/dL) and acceptable image quality. Comparison of quantitative parameters (mean and maximum SUV calculated by drawing ROI around brain, heart, liver, muscle, subcutaneous fat) among the 3 groups showed significant intergroup difference with p value <0.05. **Conclusion:** This short acting I.V insulin protocol is safe and can be used to obtain optimal quality F-18 FDG PET CT scan images by alleviating the need for rescheduling patients though they present with high glucose levels.

86. Incremental value of post-high dose therapy I-131 scan over pre-therapy diagnostic I-131 scan patients with differentiated thyroid cancer: Experience from a tertiary care centre in South India.

Chandra Teja Reddy Singareddy, Ranadheer Gupta Manthri, Krishnamohan VS, Sricharan KB, Tekchand Kalawat, Narendra Hullikal.

India J Clin Sci Res-2020;9:206-12.

Objective: Objective of this study is to establish the incremental value of post-high dose therapy I-131 whole

body scintigraphy (WBS) over diagnostic pre-therapy I-131 WBS in the detection of radioiodine avid foci, staging and change in the management in patients with differentiated thyroid carcinoma post-total thyroidectomy. **Methods:** We retrospectively studied 93 post-total thyroidectomy patients with well differentiated thyroid cancer (mean age 47 [range 18–78] years; 72 females) who underwent diagnostic dose pre-therapy? I-131 WBS and post-high dose therapy? I-131 WBS from January 2017 to June 2018 were included. Discordance rate of pre-therapy? I-131 WBS findings with post-therapy? I-131 WBS was calculated. **Results:** Post-therapy I-131 WBS revealed additional radioiodine avid foci not detected on pre-therapy? I-131 WBS in 16 (17.2%) patients. Upstaging was more common in patients ≥ 55 years (8 of 23, 34.8%) when compared to patients <55 years (1 of 70, 0.014%). In 13/93 patients (13.9%) who were considered as low risk on pre-therapy? I-131 WBS, 10 patients (10.7%) were found to be intermediate risk and 3 patients as high risk on post-therapy I-131 WBS. **Conclusion:** Post-therapy? I-131 WBS revealed new foci in 17.2% patients and clinical upstaging occurred in 9.6% of patients compared to pre-therapy I-131 WBS. There is a significant improvement in the detection of radioiodine avid foci overall and also metastatic lymph nodes by doing post-therapy? I-131 WBS. We suggest that post-therapy? I-131 WBS should be routinely done as it had an incremental role over pre-therapy? I-131 WBS in establishing the true extent of tumour burden, in upstaging the disease and thereby planning adequate hormone suppression to attain target thyroid stimulating hormone levels.

87. Maternal and fetal outcome in vaginal birth after caesarean section in a tertiary care teaching hospital in south India.

Usha Brindhini, Malathi J, Vanaja K, Rathnamala

Int J Sci Res 2020;9:28-9.

Background: Caesarean section is the most common procedure performed during reproductive age group with rates continuing to rise worldwide. One of the most common indication for repeat cesarean section is previous caesarean birth. The proportion of women attempting a vaginal Birth after Caesarean section (VBAC) is reducing in many countries nowadays, because of negative thought of an

increase in the risk of maternal and infant complications related to VBAC. Our aim was to study Maternal and Fetal Outcome in VBAC in a tertiary care teaching hospital.

Materials and Methods: This is a cross sectional study conducted from the patients attending the labour room and outpatient in the department of Obstetrics and Gynecology for one year. Inclusion criteria included Women with one previous lower segment cesarean section, Singleton pregnancy, Cephalic presentation, Term gestation. Women having two or more caesarean sections, Teenage pregnancy, Previous uterine surgery like myomectomy, Estimated fetal weight >4 kg, Interdelivery interval 4 hrs in 66(82.5%) patients. We had 77.5% of successful VBAC with spontaneous delivery in 42(52.5%) of VBAC group. The most common cause for failed VBAC is scar dehiscence. Among neonatal outcome, 12.5%) had respiratory distress. 90% of baby had apgar score >7/10 1st minute, at 5th minute 97.5% had apgar of at >7/10. **Conclusion:** Our study revealed that VBAC is a safe method selected cases which has great importance in the present era of the rising rate of primary caesarean sections. Vaginal birth after one Caesarean section is safe with good antenatal care.

88. Effusion Cytomorphology of Rhabdomyosarcoma. A rare case of primary superior vena cava obstruction and bilateral effusion.

Deepthi B. Nandyala Rukmangadha, Amit Kumar Chowhan, Aruna Kumari Pryaga

J case reports 2020;1:33-7.

Background: Primary mediastinal rhabdomyosarcoma (RMS) unassociated with germ cells, teratomatous or malignant epithelial components are extremely rare, tend to have large size, important local invasion at diagnosis, with aggressive behavior and poorer prognosis. **Case Report:** We present an extremely rare case of primary mediastinal RMS with malignant pleural effusion in a fourteen year old female patient with emphasis on cytological examination of the pleural fluid, diagnostic difficulties and differential diagnosis. Cellular smears showed numerous discretely scattered reactive mesothelial cells admixed with numerous neutrophils and lymphocytes. In addition there was a distinct second population of neoplastic cells essentially singly scattered and occasional

dyshesive clusters seen intimately mingled with reactive mesothelial and inflammatory cells. **Conclusion:** This case elucidates the potential pitfall in identifying the single scattered neoplastic cells from intimate admixture with reactive mesothelial cells and highlights the importance of careful cytomorphologic evaluation with adjunct immunocytochemistry for myogenin to accurately diagnose metastatic RMS in effusion specimens.

89. Computational screening and in silico docking analysis of non-selective betablockers over beta-3 adrenergic receptors.

Haripriya S, Subash KR

Natl J Physiol Pharm Pharmacol 2020;10:226-31.

Background: Beta-blockers with additional beneficial activity such as beta-2 agonist and alpha-1 blocking activity are developed and available as the third-generation beta-blockers for effective management of hypertension with comorbid conditions. Hypertension associated with obesity is one such common condition seen among majority of population. **Aims and Objectives:** This study attempts to screen the existing beta-blockers currently in use for hypertension for additional beta-3 agonist activity by in silico prediction methods. **Materials and Methods:** The approved non-selective beta-blockers, carvedilol, celiprolol, nebivolol, nadolol, carteolol, pindolol, propranolol, timolol, oxprenolol, sotalol, penbutolol, and labetalol, are selected to screen by three-dimensional (3D) quantitative structure–activity relationship analysis, molecular docking and dynamics were carried out in CentOS Linux platform version 5.0 installed in HPZ 800 workstation using Schrodinger LLC, New York. **Results:** Among screened 12 non-selective beta-blockers, carvedilol has high free binding scores of ?63.186 followed by celiprolol with ?53.225 and nebivolol with ?53.054. **Conclusion:** The current research by in silico screening of 12 3D chemical structures of non-selective beta-blockers that effectively docked over beta 3 receptors are Carvedilol, celiprolol and nebivolol. Further studies can be carried on beta 3 cell lines followed by obesity animal models to validate our study finding.

90. The safety and efficacy of oral Arborium plus, a herbal liquid formulation in the treatment of diabetic foot syndrome: an open label study.

Pallavi Chalivendra, Nurul Hameed Shaik, Hari Prasad Balapalli, Murali Krishna Parasaram, Bhavya Bommadi, Sai Anjani Ravanam, Subha Attili.

Int J Basic Clin Pharmacol 2020;9:528-32.

Background: Diabetic foot ulcers are the most universal cause of non-traumatic amputations of the foot in developing countries. One of the treatment modalities is to improve the peripheral blood supply to the area of ulcer. To this purpose the study was done to evaluate the safety and efficacy of oral Arborium plus (herbal liquid formulation) in the wound closure of diabetic foot patients.

Methods: 50 patients were randomly assigned to either of the groups (each group 25 patients) to receive either the test drug (Arbrium plus) at tertiary care teaching hospital, it was an open label prospective and interventional parallel group study to evaluate the efficacy and safety of Arbrium plus in diabetic foot syndrome. The study participants were randomized into control and intervention groups. Base line measurements of vascular flow was ankle- brachial pressure index (ABPI) and wound size measurement.

Results: The baseline characteristics of the patients age in years test and control group 68 ± 12.3 and 67 ± 13.4 respectively. Male/female in both groups was 21/4 and 22/3 respectively. Duration of diabetes in years 8.65 ± 8.3 and 8.5 ± 7.6 respectively. BMI was 25.11 ± 4.15 and 24.75 ± 0.85 , duration of smoking (years) 17.3 ± 9.5 and 19.5 ± 10.5 respectively in both groups. Among the test group who received the proprietary formulation of Arbrium plus, there was a significant reduction in the wound size.

Conclusions: Wound healing and ABPI improvements were observed with usage of Arbrium plus suggest an improvement in peripheral vascular flow in diabetic foot subjects.

91. Correlation of diffusion weighted apparent diffusion coefficient values with immunochemical prognostic factors of breast carcinoma.

Settem T, Bodagala VD, Kishore K H, Kale PK, Lakshmi A Y, Yootla M, Hulikal N, Nandyala R

J NTR Univ Health Sci 2020;9:241-4

Context: Classic prognostic markers in breast cancer are tumor size and grade, lymph node status, molecular markers, including estrogen receptor (ER), progesterone receptor (PR), Ki-67 index, human growth factor receptor 2 (HER2) protein, and angiogenic molecular markers. Purpose of present study is to assess the utility of apparent diffusion coefficient (ADC) values in the prognosis of breast cancer by correlating them with molecular biomarkers. **Aim:** To correlate the ADC values of DWI of Breast cancer with immunochemical prognostic factors.

Settings and Design: Retrospective observational study.

Materials and Methods: Ours is a retrospective study of 30 female cases of histologically proven breast carcinoma who underwent magnetic resonance imaging (MRI) of breast in Tertiary healthcare centre, Andhra Pradesh. Molecular prognostic factors data were available for 20 cases which were further analyzed. **Statistical Analysis**

Used: Correlation between the ADC value of the breast tumour and molecular prognostic markers was analyzed using Student's t test. **Results:** Mean ADC of Ki-67 index positive cancers ($0.755 \times 10^{-3} \pm 0.158 \times 10^{-3} \text{mm}^2/\text{s}$) was significantly lower than Ki-67 index negative cancers ($0.929 \times 10^{-3} \pm 0.117 \times 10^{-3} \text{mm}^2/\text{s}$) suggesting statistically significant correlation between ADC value and Ki67 index. There is no significant correlation between ADC value and ER, PR, and HER2 expression status.

Conclusion: Our study showed statistically significant association between ADC values and Ki-67 index. Thus ADC values may be of use in providing prognostic information about disease.

92. Role of color Doppler ultrasound and MDCT angiography in the evaluation of peripheral arterial disease.

Kondeti K, Devi B V, Lakshmi A Y, Chandra A.

J NTR Univ Health Sci 2020;9:86-91.

Background and Objective: The main objective is to study the correlation between color Doppler ultrasound and multidetector computed tomography (MDCT) angiography in evaluating peripheral arterial disease. **Settings and Design:** Prospective observational study.

Materials and Methods: The study was conducted in the

Department of Radio Diagnosis, SVIMS, over a period of 18 months from March 2018 to July 2019. All of the 80 consecutive patients who were referred to the Department of Radio Diagnosis with clinical suspicion of peripheral arterial disease (PAD) were studied. Color Doppler ultrasound followed by MDCT angiography were done in all of the patients. **Results:** Out of the total 1680 vessel segments in 80 patients, color Doppler sonography (CDS) was able to detect 545 (32.4%) positive segments, in comparison to the CTA which was able to detect 732 (43.5%) bilaterally, with 11.1% of cases detected more on MDCT angiography predominantly grade-2, 3, 4, except for grade-1. On overall except for wall thickness, MDCT angiography was better in detecting wall calcification, occlusion, and thrombus on comparison with CDS. **Conclusion:** CDS and MDCT angiography showed good agreement for grade-0, 1 PAD when compared to grade-2, 3, 4. CDS with an advantage of no risk of radiation, contrast related complications should be considered as a preliminary screening test in all patients with clinical suspicion of PAD. MDCT angiography should be considered for grade-2, 3, 4 stenosis assessments for selecting an appropriate treatment.

93. To study diagnostic efficacy of ultrasound and magnetic resonance cholangiopancreatography in obstructive jaundice.

Goud S, Devi B V, Kale PK, Lakshmi A Y, Reddy V V.

J NTR Univ Health Sci 2020;9:217-21

Background and Objective: Ultrasonography (USG) and magnetic resonance cholangiopancreatography (MRCP) are noninvasive modalities for evaluation of patients with obstructive jaundice. USG is widely available and less expensive compared to MRCP. But the value of USG is limited in obese patients and distal CBD evaluation due to poor window caused by bowel gas. With this knowledge, we planned to assess the diagnostic efficacy of USG and MRCP in detecting the level and cause of obstructive jaundice considering the gold standard being the final diagnosis made at surgery/Endoscopic retrograde cholangiopancreatography (ERCP). **Settings and Design:** Prospective observational study. **Material and Methods:** The study was conducted in the department of Radio Diagnosis, SVIMS, over a period of 18 months

from March 2018–July 2019. This study includes thirty-seven consecutive patients who were referred to the department of Radiodiagnosis with the clinical suspicion of obstructive jaundice and elevated serum bilirubin levels. USG followed by MRCP were done in all the patients. **Results:** Of the thirty-seven patients with obstructive jaundice, twenty-nine patients had benign while eight patients had malignant etiology. For diagnosing the cause of obstructive jaundice, MRCP has a diagnostic accuracy of 97.2% and USG has a diagnostic accuracy of 86.4%. The sensitivity of MRCP is greater than USG in diagnosing the cause of obstructive jaundice. In diagnosing the level of obstruction, MRCP had an accuracy of 100%, while USG 81%. **Conclusion:** As MRCP has more diagnostic accuracy compared to ultrasound in detecting the level and cause of obstruction in cases of obstructive jaundice, USG may be considered as an initial screening test and MRCP for definitive treatment planning. The limitation of the study is the small sample size.

94. To correlate the ADC values of DWI of Breast cancer with immunochemical prognostic factors.

Theja Settem, Vijayalakshmi Devi Bodagala, K Hari Kishore, Pavan Kumar G. Kale¹, AY Lakshmi, Mutheeshwaraiah Yootla, Narendra Hulikal, Rukmangada Nandyala

J NTR Univ Health Sci 2020;9:241-4.

Introduction: Diffusion-weighted MRI (DWI) has recently been integrated into the standard breast magnetic resonance imaging (MRI) for discrimination of benign and This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms. **Context:** Classic prognostic markers in breast cancer are tumor size and grade, lymph node status, molecular markers, including estrogen receptor (ER), progesterone receptor (PR), Ki-67 index, human growth factor receptor 2 (HER2) protein, and angiogenic molecular markers. Purpose of present study is to assess the utility of apparent diffusion coefficient (ADC) values in the prognosis of breast cancer by correlating them with

molecular biomarkers. Settings and Design: Retrospective observational study. Materials and Methods: Ours is a retrospective study of 30 female cases of histologically proven breast carcinoma who underwent magnetic resonance imaging (MRI) of breast in Tertiary healthcare centre, Andhra Pradesh. Molecular prognostic factors data were available for 20 cases which were further analyzed. Statistical Analysis Used: Correlation between the ADC value of the breast tumour and molecular prognostic markers was analyzed using Student's t test. **Results:** Mean ADC of Ki-67 index positive cancers ($0.755 \times 10^{-3} \pm 0.158 \times 10^{-3} \text{ mm}^2/\text{s}$) was significantly lower than Ki-67 index negative cancers ($0.929 \times 10^{-3} \pm 0.117 \times 10^{-3} \text{ mm}^2/\text{s}$) suggesting statistically significant correlation between ADC value and Ki67 index. There is no significant correlation between ADC value and ER, PR, and HER2 expression status. **Conclusion:** Our study showed statistically significant association between ADC values and Ki-67 index. Thus ADC values may be of use in providing prognostic information about disease.

95. To study the correlation between color Doppler ultrasound and multidetector computed tomography (MDCT) angiography in evaluating peripheral arterial disease.

Kirankumar Kondeti, B Vijayalakshmi Devi, AY Lakshmi, Abha Chandra

J NTR Univ Health Sci 2020;9:86-91.

Introduction: Peripheral arterial disease (PAD) is the most common condition affecting the arteries of the lower extremity. Acute compromise of arterial flow due to the stenosis and occlusions can result in limb ischaemia resulting in amputation, myocardial infarction, and stroke. It is an independent risk factor for vascular disease in other regions. PAD adversely affects the functional status of the limb and is associated with the poor quality of life. Among all crural region is the most commonly involved followed by femoropopliteal, aortoiliac regions. The most common cause of lower limb PAD is atherosclerosis. Others include thromboembolism, acute thrombotic occlusion, micro embolism, trauma, and vasculitis. Arteriography is considered the standard investigation as it gives an accurate. Materials and Methods: The study was conducted in the Department of Radio Diagnosis, SVIMS, over a

period of 18 months from March 2018 to July 2019. All of the 80 consecutive patients who were referred to the Department of Radio Diagnosis with clinical suspicion of peripheral arterial disease (PAD) were studied. Color Doppler ultrasound followed by MDCT angiography were done in all of the patients. Results: Out of the total 1680 vessel segments in 80 patients, color Doppler sonography (CDS) was able to detect 545 (32.4%) positive segments, in comparison to the CTA which was able to detect 732 (43.5%) bilaterally, with 11.1% of cases detected more on MDCT angiography predominantly grade-2, 3, 4, except for grade-1. On overall except for wall thickness, MDCT angiography was better in detecting wall calcification, occlusion, and thrombus on comparison with CDS. Conclusion: CDS and MDCT angiography showed good agreement for grade-0, 1 PAD when compared to grade-2, 3, 4. CDS with an advantage of no risk of radiation, contrast related complications should be considered as a preliminary screening test in all patients with clinical suspicion of PAD. MDCT angiography should be considered for grade-2, 3, 4 stenosis assessments for selecting an appropriate treatment.

96. To study diagnostic efficacy of ultrasound and magnetic resonance cholangiopancreatography in obstructive jaundice.

Satyanarayana Goud, B Vijayalakshmi Devi, Pavan Kumar G. Kale, AY Lakshmi, V Venkata Rami Reddy

J NTR Univ Health Sci 2020;9:217-21.

Introduction: Obstructive Jaundice has been documented as one of the leading causes of increased morbidity. Any blockage in the hepatobiliary pathway obstructs the flow of bile into the intestine, As a result passage of bile into the circulation occurs which leads to This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution? Non Commercial? Share Alike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms. **Background and Objective:** Ultrasonography (USG) and magnetic resonance cholangiopancreatography (MRCP) are noninvasive modalities for evaluation of patients with obstructive jaundice. USG is widely available and less

expensive compared to MRCP. But the value of USG is limited in obese patients and distal CBD evaluation due to poor window caused by bowel gas. With this knowledge, we planned to assess the diagnostic efficacy of USG and MRCP in detecting the level and cause of obstructive jaundice considering the gold standard being the final diagnosis made at surgery/Endoscopic retrograde cholangiopancreatography (ERCP). **Settings and Design:** Prospective observational study. **Material and Methods:** The study was conducted in the department of Radio Diagnosis, SVIMS, over a period of 18 months from March 2018–July 2019. This study includes thirty-seven consecutive patients who were referred to the department of Radiodiagnosis with the clinical suspicion of obstructive jaundice and elevated serum bilirubin levels. USG followed by MRCP were done in all the patients. **Results:** Of the thirty-seven patients with obstructive jaundice, twenty-nine patients had benign while eight patients had malignant etiology. For diagnosing the cause of obstructive jaundice, MRCP has a diagnostic accuracy of 97.2% and USG has a diagnostic accuracy of 86.4%. The sensitivity of MRCP is greater than USG in diagnosing the cause of obstructive jaundice. In diagnosing the level of obstruction, MRCP had an accuracy of 100%, while USG 81%. **Conclusion:** As MRCP has more diagnostic accuracy compared to ultrasound in detecting the level and cause of obstruction in cases of obstructive jaundice, USG may be considered as an initial screening test and MRCP for definitive treatment planning. The limitation of the study is the small sample size.

97. Prospective randomised study comparing Billroth II with Braun anastomosis versus Roux-en-Y reconstruction after radical distal gastrectomy for gastric cancer.

Parthasarathy S, Radhakrishna K, Kalawat T C, Phaneendra B V, Vutukuru VR.

J Clin Sci Res 2020;9:150-4

Background: Enterogastric reflux of bile is a major cause of morbidity following distal gastrectomy. Various reconstructive methods were developed to overcome this. **Methods:** A prospective randomised study included all patients undergoing distal gastrectomy for gastric cancer was conducted during the period June 2012 and November

2016. After resection, they were randomized to undergo Billroth II with Braun anastomosis (BEE) ($n = 28$) or *Roux-en-Y* (RY) gastrojejunostomy ($n = 26$). Endoscopy and biliary scintigraphy were done at 3 months to assess the severity of gastritis and the presence of bile reflux in remnant stomach. Stomach was biopsied for histopathology. Quality of life (QOL) was assessed using gastric cancer-specific questionnaire. **Results:** Demographics and nutritional status was similar. Intraoperative variables, post-operative recovery and hospital stay were not statistically different. Remnant stomach in BEE group showed more severe and extensive gastritis than RY group. The incidence of bile reflux on endoscopy was statistically significantly high in BEE ($P < 0.0001$). The histological findings of endoscopic biopsies were similar. The incidence of bile reflux on scintigraphy was lower in RY group (10.7% vs. 46.2%; $P = 0.03$). The QOL symptom score was similar. **Conclusions:** The incidence of bile reflux and severity of gastritis is less in patients who underwent RY gastrojejunostomy when compared to Billroth II with Braun anastomosis without any significant difference in QOL.

98. Epidemiology, presentation and pathological findings of Retroperitoneal tumors and Literature review.

Lokesh Arora, Musunuru Brahmeswara Rao, Vutukuru Venkatarami Reddy, Chandrakasan Chandra maliteeswaran.

Int J Sci Res 2020;9:67-9.

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.

99. Epidemiological and Clinico-pathological analysis and outcomes of Extraintestinal GIST at a tertiary care hospital in South India.

Sravanthi Balaga, Vutukuru Venkatarami Reddy, Chandrakasan Chandramaliteeswaran, Musunuru Brahmeswara Rao, Lokesh Arora, Sudish Durgesh.

Int J Sci Res 2020;9:33-5.

Introduction: Extraintestinal GIST (EGIST) is a rare mesenchymal tumor. There is lack of suf undertaken a retrospective observational study to analyze the epidemiology, clinicopathological features and outcomes of EGISTs. **Methods:** All patients with the diagnosis of EGIST in the department of Surgical Gastroenterology, SVIMS from January 2015 to December ndings, tumor pathology and outcomes were ndings, intra-operative 2019 were included. Patient's demographics, laboratory and imaging analyzed. **Results:** Fourteen patients were included. Of these, 8 (57.14%) were males. Mean age was 53.43 years. Most patients (85.71%) presented with abdominal pain. Most common site of EGIST was retroperitoneum (50%). Preoperative imaging was diagnostic of GIST of gastro-intestinal origin in all patients. 71.43% tumors were >10cm in size and 50% had >10 mitotic index. Twelve patients underwent radical surgery. All were advised adjuvant therapy. Mean hospital stay was 7.07 days. Median survival was 38.5 months (range 4-60 months). **Conclusion:** EGISTs are more likely to be malignant, large in size, with high mitotic rates. Imaging may not be accurate for diagnosis. Owing to low incidence of EGISTs, multi-center studies are required to study their clinical and pathological behavior

100. Iatrogenic bile duct injuries requiring surgical reconstruction – presentation and classification of lesions, their reconstruction and outcomes.

Lokesh Arora, Musunuru Brahmeswara Rao, Vutukuru Venkatarami Reddy, Chandrakasan Chandramaliteeswaran.

Int J Sci Res 2020;9:69-70.

Introduction: Iatrogenic bile duct injury during cholecystectomy is associated with high morbidity and is a potentially life-threatening complication. The aim of the study was to assess the outcomes following. **Methods:** All patients who presented with bile duct injury following both open and lap cholecystectomy from January 2013 to April 2018 were included. Excluded patients treated with endoscopic stenting alone. **Results:** 20 patients were included in the study. Roux en Y hepaticojejunostomy was done in 18 patients. On follow up, 1 patient with Type III stricture developed anastomotic stricture which was managed with Transhepatic stricture dilation. Outcome was graded into grade A in 14 (77.78%) patients, grade B in 2 (11.11%) patient and grade D in 1(5.56%) patient. Mortality in one (5.56%) patient following hepaticojejunostomy due to renal failure. **Conclusion:** Management of post cholecystectomy biliary injuries is based on presentation. Most of these require Hepaticojejunostomy. Outcomes following hepaticojejunostomy are good but require longterm surveillance.

101. Effect of preoperative nutritional status on early post-operative outcomes in patients undergoing Pancreaticoduodenectomy.

Varun Dasari, Chandrakasan Chandramaliteeswaran, Vutukuru Venkatarami Reddy, Lokesh Arora.

Int J Sci Res 2020;9:21-2.

Introduction: Malnutrition has been determined to be an independent risk factor for morbidity and mortality in patients undergoing surgical procedures. A prospective study was undertaken to estimate the prevalence of malnutrition in patients and to evaluate the effect of preoperative malnutrition on the early postoperative outcome in patients undergoing pancreaticoduodenectomy. **Methods:** 49 patients underwent pancreaticoduodenectomy were included in the study. Preoperative nutritional status was evaluated by serum albumin, BMI, Malnutrition Universal Screening Tool (MUST), Triceps skinfold thickness (TSFT), Subjective Global Assessment (SGA). Effect of malnutrition on morbidity, mortality and length of hospital stay was assessed. **Results:** Prevalence of malnutrition was high (BMI: 42.85%, TSFT: 61.22%, Serum albumin: 48.98%, MUST: 78.54%, SGA: 51%). The

stula (POPF) and delayed gastric emptying (DGE) were 59.2% and 55.1% respectively. Patients' overall incidence of postoperative pancreatic cantly higher risk of POPF (80% vs. 33%; $p=0.001$) and mortality (5% vs. 0%; p categorized as malnourished by SGA had signi <0.001). Serum albumin, MUST and TSFT were not predictive of early post operative outcomes. **Conclusion:** The prevalence of malnutrition in patients undergoing pancreaticoduodenectomy is high. SGA is a reliable parameter in predicting postoperative morbidity and mortality.

102. Subtotal cholecystectomy: A feasible and safe alternative in difficult cases.

Chandrakasan Chandramaliteeswaran, Vutukuru Venkatarami Reddy, Lokesh Arora, Musunuru Brahmeswara Rao, Sravanthi Balaga, Sudish Durgesh.

Int J Sci Res 2020;9:23-5.

Introduction: In dif (LSC) has been proposed to avoid injuries while removing major portion of diseased gall bladder. The aim of this retrospective study is to evaluate indication, complications and need of re-intervention after Laparoscopic subtotal cholecystectomy (LSC) **Methods:** All the patients who underwent Laparoscopic Subtotal Cholecystectomy from Jan 2016 to Dec 2018 were included. Retrospective ndings, complications and need of reintervention' analysis of patient's demographics, laboratory and radiographic investigations, intra-operative was done. **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%). Thirty patients undergone LSC in study period. Mean age was 51.50 ± 14.45 years. Out of 30, 16 (53.33%) were diabetic. In 13 (43.3%) patients, cystic duct/ residual GB could not be clipped or sutured and hence left alone. Out of these, seven (53.85%) had postoperative bilious drain output. Of these, six (85%) patients had spontaneous resolution of bile leak. Only one patient required post-operative intervention (ERCP). One patient had retained stone in the residual gall bladder, and presented later with pain abdomen, for which completion cholecystectomy was

done. cult gall bladder, with minimal morbidity of post-operative bile' **Conclusion:** Subtotal cholecystectomy is a safe alternative procedure in dif leak with no long term procedure-related morbidity or mortality

103. Early Mechanical Intestinal Obstruction Following Laparoscopic Radical Hysterectomy.

Hulikal N, Singaram NK, Inamdar MB, Niak GR

J Gynecol Surg 2020;36:87-90.

Background: Early postoperative mechanical intestinal obstruction is rare, with the commonest cause being adhesions. The wide application of minimally invasive surgeries has increased the incidence of Richter's hernia.

Case: A 63-year old, morbidly obese lady diagnosed with carcinoma of the uterine cervix underwent laparoscopic radical hysterectomy under general anesthesia. Two 10-mm ports were used—one in the umbilical area for a camera and the other in the right iliac fossa as a working port. Three 5-mm ports were also used. The procedure was completed without any intraoperative complications and a specimen was retrieved per her vagina. Postoperatively, this patient developed protracted bilious vomiting from day 2, which was managed conservatively for the first 8 days and was finally diagnosed to be Richter's hernia with contrast-enhanced computerized tomography (CECT). The patient was reexplored laparoscopically and managed successfully without any bowel ischemia or gangrene.

Results: Following the second surgery, this patient recovered rapidly and was discharged to go home on a full diet by the fifth postoperative day. **Conclusions:** A strong clinical suspicion should alert the surgeon to consider CECT early in the postoperative course to diagnose and manage Richter's hernia.

104. Predicting Response to Neoadjuvant Chemotherapy using 18 F FDG PET-CT in patients with Locally Advanced Brest Cancer.

Hulikal N, Gajjala SR, Kalawat T, Kadiyala S, Kottu R.

Asian Pac J Cancer Prev 2020;21:93-8.

Objective: The study was aimed to find the utility of 18F FDG PET CT in assessing response to neoadjuvant chemotherapy (NACT) in female patients with locally

advanced breast cancer (LABC). **Methods:** All willing women with biopsy proven LABC, following clinical evaluation underwent baseline 18F FDG PET CT along with mammosonography and contrast enhanced computerized chest radiography (CECT). The response was assessed clinically before each cycle of chemotherapy using RECIST criteria. Those who were progressing clinically were offered alternate chemotherapy or radiation or surgery. Clinical responders were re-evaluated with 18F FDG PET CT, mammosonogram and CT chest before surgery. The pathological response as assessed with residual cancer burden score was used as gold standard. **Results:** Of the 30 women eligible, 26 women underwent repeat evaluation and surgery. The mean age was 49 years, 16 women were postmenopausal and 15 tumors were receptor positive. On final histopathology 15 % had complete response and 46 % were non responders. Using a cut off value of 50% of the baseline SUVmax, PET-CT had sensitivity, specificity, positive predictive value, negative predictive value and accuracy of 64%, 75%, 75%, 65%, and 69%, respectively in differentiating pathological responders from non-responders. **Conclusion:** 18F FDG PET-CT predicted the response with greater accuracy than CT or clinical examination. Hence it can be used to identify non responders early in the course and alternate treatment can be offered to patients

105. 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.

Rallapeta RP, Manthri RG, Kalawat T, Sachan A, Lakshmi A, Hulikal N.

Indian J Nucl Med 2020;35:110-5.

Background: In diabetic (DM) patients, hyperglycemia degrades image quality in F-18 FDG PET CT by altering bio-distribution of FDG in the body and augmenting soft tissue and muscular uptake. We intend to evaluate the use of short acting I.V insulin in minimising the rescheduling of patients detected with FBG>160 mg/dL on the day of scan. **Aim and objectives:** To show the utility of short

acting IV insulin therapy in preparation of cancer patients incidentally detected with high blood glucose levels for F-18 FDG PET CT scan, (>160mg/dL) and to compare the obtained image quality with patients detected with fasting blood glucose level (FBG) <100mg/dL and <160 mg/dL, using visual and semi quantitative methods. **Material and methods:** 613 cancer patients referred for PET CT were divided into 3 groups, Group I (n=30): known diabetics (DM) or incidentally diagnosed with FBG >160 mg/dL, Group II (n=349): DM patients with FBG <160 mg/dL (100-160mg/dL), Group III (n=234): Non DM patients FBG <100mg/dL. In Group I short acting insulin was given intravenously using a sliding scale, post insulin after 90 minutes F-18 FDG (radiotracer) injection was given and PETCT scan was obtained 60 mins post radiotracer injection. Qualitative image analysis was done using biodistribution score and quantitative analysis was done by chi square test, ANOVA (analysis of variance) and paired *t*-test. **Results:** In group I patients post insulin there was significant decrease in FBG levels (216 ± 22.2 to 136 ± 13.4 mg/dL) and acceptable image quality. Comparison of quantitative parameters (mean and maximum SUV calculated by drawing ROI around brain, heart, liver, muscle, subcutaneous fat) among the 3 groups showed significant intergroup difference with *p* value <0.05. **Conclusion:** This short acting I.V insulin protocol is safe and can be used to obtain optimal quality F-18 FDG PET CT scan images by alleviating the need for rescheduling patients though they present with high glucose levels.

106. Can preoperative serum thyroglobulin levels predict the risk of malignancy? Results from prospective analysis of biochemical predictors of malignancy in thyroid nodules.

Hulikal N, Azhagamuthu RE, Banoth M, Chowhan A, Yutla M, Sachan A.

Acta Otorhinolaryngo Ital 2020; 40:33-37.

Valore predittivo dei livelli sierici di tiroglobulina nei tumori maligni della tiroide. Risultati di un'analisi prospettica in pazienti con noduli tiroidei. **Riassunto:** Nonostante i noduli tiroidei siano frequenti, i tumori maligni della tiroide sono rari. Questo studio indaga il valore predittivo di malignità di markers biochimici

plasmatici in caso di noduli tiroidei. Sono stati analizzati pazienti di età compresa fra i 18 e 70 anni, affetti da struma tiroideo e sottoposti a chirurgia in un periodo di 19 mesi. Tutti i pazienti sono stati sottoposti ad anamnesi, visita clinica, ecografia del collo e agoaspirato tiroideo. Sono stati effettuati prelievi per il dosaggio del TSH, tireoglobulina ed anticorpi antitireoglobulina. La chirurgia ha incluso l'emitiroidectomia o la tiroidectomia totale sulla base dello FNAC. 110 pazienti sono stati sottoposti a chirurgia di cui 47 con diagnosi istopatologica finale di malignità, principalmente di sesso femminile, di età compresa fra i 30 e 60 anni. I livelli sierologici medi di Tg, TSH ed anticorpi antiTG nei pazienti con noduli benigni sono stati rispettivamente 29 ng/ml, 1,6 mIU/L e 1,1 IU/ml, mentre nei noduli maligni erano 162 ng/ml, 1,7 mIU/L e 0,9 IU/ml. Il valore cut off della tireoglobulina predittivo di malignità è stato 53 ng/ml con una sensibilità e specificità del 72% and 73%, ($p < 0,001$). Il nostro studio ha mostrato l'utilità dei valori di tireoglobulina come marker predittivo di malignità. Tali risultati vanno meglio approfonditi, in gruppi più ampi e specialmente in quei pazienti il cui FNAC risulta non diagnostico.

107. Metabolically quiescent paraganglioma in a patient with carcinoma cervix: An unusual presentation.

Hemalatha D S, Rallapeta RP, Manthri RG, Kalawat TC, Hulikal N, Prayaga A.

J Clin Sci Res 2020;9:180-3.

Paragangliomas (PGLs) are rare tumours arising from sympathetic and parasympathetic paraganglial neural crest cells. Functional PGLs usually present with manifestations of catecholamine excess such as hypertension, flushing and diaphoresis. Non-functional PGLs are diagnosed incidentally during imaging studies and pose a significant diagnostic challenge. Here, we report the case of 42-year-old female patient with carcinoma cervix who presented with a non-fluorodeoxyglucose-avid PGL. This case report highlights the importance of considering PGL in differential diagnosis and the management of retroperitoneal tumours.

108. On behalf of the PLACID Trial Collaborators. Convalescent plasma in the management of moderate covid-19 in adults in India: open label phase II multicentre randomised controlled trial (PLACID Trial).

Anup Agarwal, Aparna Mukherjee, Gunjan Kumar, Pranab Chatterjee, Tarun Bhatnagar, Pankaj Malhotra.

Br Med J 2020;371:3939

Objective: To investigate the effectiveness of using convalescent plasma to treat moderate coronavirus disease 2019 (covid-19) in adults in India. **Design:** Open label, parallel arm, phase II, multicentre, randomised controlled trial. **Setting:** 39 public and private hospitals across India. **Participants:** 464 adults (≥ 18 years) admitted to hospital (screened 22 April to 14 July 2020) with confirmed moderate covid-19 (partial pressure of oxygen in arterial blood/fraction of inspired oxygen ($\text{PaO}_2/\text{FiO}_2$) ratio between 200 mm Hg and 300 mm Hg or a respiratory rate of more than 24/min with oxygen saturation 93% or less on room air); 235 were assigned to convalescent plasma with best standard of care (intervention arm) and 229 to best standard of care only (control arm). **Interventions:** Participants in the intervention arm received two doses of 200 mL convalescent plasma, transfused 24 hours apart. The presence and levels of neutralising antibodies were not measured a priori; stored samples were assayed at the end of the study. **Main outcome measure:** Composite of progression to severe disease ($\text{PaO}_2/\text{FiO}_2 < 100$ mm Hg) or all cause mortality at 28 days post-enrolment. **Results:** Progression to severe disease or all cause mortality at 28 days after enrolment occurred in 44 (19%) participants in the intervention arm and 41 (18%) in the control arm (risk difference 0.008 (95% confidence interval -0.062 to 0.078); risk ratio 1.04, 95% confidence interval 0.71 to 1.54). **Conclusion:** Convalescent plasma was not associated with a reduction in progression to severe covid-19 or all cause mortality. This trial has high generalisability and approximates convalescent plasma use in real life settings with limited laboratory capacity. A prior measurement of neutralising antibody titres in donors and participants might further clarify the role of convalescent plasma in the management of covid-19. **Trial registration:** Clinical Trial Registry of India CTRI/2020/04/024775.

109. Regular visual inspection of plasma & platelets revealing unconjugated hyperbilirubinemia in healthy voluntary blood donors- Whether to transfuse or discard?

Jeeva Priya R, Arun R, Lakshmidhevi KB, Vidya N R, Vidisha S.

Int J Sci Res 2020;9:8-9.

Background: The study was done to ascertain prevalence of unconjugated hyperbilirubinemia in asymptomatic healthy blood donors and review the literature about feasibility of utilizing blood components from those donors. **Materials & Methods:** This retrospective study was done for a period of 3 years. A total of 23,501 blood units were collected and all the units were subjected to mandatory transfusion transmitted screening. All the plasma and platelet concentrate bags which were icteric on visual inspection were subjected to biochemical investigations to rule out other causes of hyperbilirubinemia. **Results:** Among 23,501 units collected, 69 units (0.29 %) were icteric on visual inspection. All these units had unconjugated hyperbilirubinemia and tested negative for transfusion transmissible infections. **Conclusion:** As there are no studies to document the safety of the recipients receiving such abnormal colored plasma as well as to document the hazards in its transfusion, the question arises whether to transfuse such units or not. Majority of blood donors, whose plasma and platelets icteric, are asymptomatic. High colored plasma particularly unconjugated hyperbilirubinemia might suggest Gilbert's syndrome or any underlying occult hepatitis infection. Proper guidelines are to be framed about the use and discarding of blood components in these donor.

110. Prevalence of Irregular Red Cell Antibodies in Healthy Blood Donors attending a Tertiary care Hospital in South India.

Keerthi C, Arun Rajendran, Suresh Babu B, Praveen D, Sandhya G, Ravikanth C, Sreedhar Babu KV

Int J Sci Res 2020;9:50-1.

Introduction: Red cell antibodies that are found normally in human serum are considered naturally occurring and those are anti A and anti B. All other antibodies directed against RBC antigens are considered “unexpected or irregular”. **Aim:** This study is aimed to evaluate the prevalence of the anti-red blood cell antibodies among healthy blood donors. Identification was done using commercially available 3 cell and 11 cell reagent cells (0.8%). **Material and Methods:** Antibody screening and identification Surgiscreen, Ortho Clinical Diagnostics Limited, USA and Low ionic Strength Saline Ortho Bliss with AHG Cassettes in antihuman globulin phase. **Results:** A total of 36,684 donors were screened for the presence of irregular erythrocyte antibodies. Among these donors, twenty donors showed were from Lewis blood group system. The results' presence of alloantibodies in their serum (0.054%). Most frequent alloantibodies identified showed statistically a higher prevalence of RBC alloantibodies in males than in females. **Conclusion:** Screening for presence of alloantibodies in donor blood is important to provide compatible blood products and to avoid transfusion reactions.

111. Role of conservative management in High Grade Renal Injuries: Our Experience at a Tertiary Care Centre.

Anil Kumar N, Venkata Chaitanya S, Suraj Pinni, Sharma A Yagneshwar, Tushar Sharma, Naveen Goyal.

Int. J. Contemporary Med Res. 2020;7):C7-C11.

Introduction: Renal injuries account for up to 1–5% of all trauma related injuries. Over the years there has been a shift towards non-operative treatment for blunt renal trauma. The aim of our study was to assess outcomes of patients managed conservatively (non-operatively) for high grade blunt renal injury at our centre. **Material and methods:** The study was conducted in a retrospective manner using hospital records of last 5 years. All patients with blunt renal injuries were included. These patients were categorized based on AAST (1989) injury grading and further subdivided into operative and non-operative management groups. These management strategies were analyzed in terms of 'failure of non-operative

management', complications and need for adjunctive procedures. Descriptive analysis was done using Microsoft Excel (2010, ver14) software. **Results:** Forty three patients were included in the study with a mean age of 44.6 years. Out of the total, 28 had grade I – III injuries, 11 had grade IV and 4 had grade V injuries. All the grade I-III patients were managed conservatively and required no adjunctive procedures. One (9%) of grade IV and 2(50%) of grade V injuries underwent immediate exploration. Out of 10 cases of grade IV injuries which underwent nonoperative management, 3(30%) required delayed exploration and none of the grade V injuries required delayed exploration. Complications included urinary tract infection (UTI) (6 cases), persistent hematuria (3 cases), hypertension (2 cases), urinoma (2 cases) and ileus(2 cases). All complications were Clavien grade 1-2 with no mortalities overall. **Conclusion:** If the patient is hemodynamically stable, even grade IV and V blunt renal injuries can be managed conservatively, as is seen in our study where failure of nonoperative management occurred in only 30% of grade IV and none of the Grade V injuries.

112. Management of Stricture Urethra: Our Experience at a Tertiary Care Centre.

Anil Kumar N, Venkata Chaitanya S, Suraj Pinni, Naveen Goyal, Tushar Sharma, Sharma A Yagneshwar,

International Journal of Contemporary Medical Research 2020;7:D1-D5.

Introduction: Upto 300 per 100000 men are affected by urethral stricture disease. Urethral stricture is by definition a narrowing of urethra caused by scarring. Stricture disease could be induced due to a variety of causes and can be detrimental for the health and quality of life of the patient. A wide variety of interventions are performed by the practising urologist for stricture urethra including dilatation, visual internal urethrotomy (VIU) and urethroplasty. The aim of this study was to review the outcomes of various treatment modalities for stricture urethra at our centre. **Material and methods:** The study was conducted in a prospective observational manner in a tertiary care centre over a period of 18 months. All cases of male urethral stricture undergoing intervention were included in this study. Treatment options included Visual internal urethrotomy (VIU), anastomotic urethroplasty

and augmented urethroplasty. Patient factors, stricture factors and surgical outcomes, recurrence rates were analysed. **Results:** Eighty seven cases of male stricture urethra were included in the study. Idiopathic strictures (40%) were the commonest aetiology followed by traumatic (36.7%), iatrogenic (14.9%) and inflammatory strictures(8%). Commonest site was the bulbar urethra (35.6%) followed by penile urethra. Augmented urethroplasty was done in 33 patients, while 25 patients underwent anastomotic urethroplasty. VIU was done in 29 patients. Success rate of interventions in our study was 89.7% at 12 months of follow-up (VIU-80%, augmented urethroplasty-96.6% and anastomotic urethroplasty-92.2%). **Conclusion:** A reconstructive urologist must be familiar with a variety of techniques to tackle strictures of the urethra. VIU was used predominantly for single short segment bulbar strictures but showed high recurrence rates(20%). Urethroplasty had better outcomes in terms of recurrence rate(5%), proving why it is considered the gold standard for treating urethral strictures.

113. Dynamic VVF Repair in Prone Jack Knife Position- Our Experience.

Anil Kumar N, Konda Reddy, Ravinder Singh, Narendranath L, Amit Kumar, Goutham Krishna Reddy.

IOSR J Dental Med Sci 2020;19:27-32

Introduction: Vesico-vaginal fistula (VVF) is most common type of uro genital fistula and is a physically, socially and psychologically devastating condition. Although advances occurred in the understanding of etiology, pathogenesis, diagnosis and management, it still poses challenges to the treating surgeon because of the controversies regarding the optimum time of repair and the ideal surgical approach. The objective of our study was to review cases of VVF referred to our department over a 4-year period, with respect to etiology, types, trans-vaginal approach using martius flap as interposition flap in prone jack knife position and its outcome. **Material and methods:** This was a retrospective observational study between January 2016 to february 2020 which reviewed patient charts undergoing VVF repair in prone jack knife position with trans-vaginal approach using martius

interposition flap at our Institute SVIMS, Tirupati for etiology, site, size and number of fistulae, clinical presentation, diagnostic modalities, and management.

Results: A total of 35 women underwent VVF repair. Out of All 35 cases of VVF, 20 were approached trans-abdominally while trans-vaginal route was used in 15 cases.

1) Trans-vaginal approach in prone jack knife position yields good result for trigonal, small Fistulas. 2) Complications are less in Trans-vaginal approach as peritoneum is not opened and need for spc is also excluded. 3) Mean operative time and mean hospital stay were significantly lower in trans-vaginal approach in prone jack knife compared to other approach. **Conclusion:** Genitourinary fistulae are socially debilitating. High rates of successful fistula closure can be achieved irrespective of etiology by following sound surgical principles of fistula repair.

114. Effectiveness Music Therapy with Conventional Intervention on Preoperative Anxiety Among Children Undergoing Surgeries in Selected Hospitals of Rajasthan: A Pilot Study.

S K Mohanasundari, A Padmaja, Kiran kumar rathod, et al.,

Int J Pediatr Nurs. 2020;6:61–9.

Introduction: Increasing attention is nowadays being paid to a variety of non-pharmacological interventions for decreasing preoperative anxiety such as music therapy, music medicine interventions, and visual imagery technique and so on. **Method:** 3 arm RCT was conducted to assess the effectiveness of music therapy and visual imagery techniques on preoperative anxiety with total 36 children aged between 4 to 12 years. Group A received Music therapy and group B received Visual imagery technique for 15 to 30 minutes duration minimum 3 times a day. Group C (control group) received conventional intervention. **Result:** The mean and SD score of pre and post-test in experimental group A, B and C was 7 ± 3.43 & 1.67 ± 2.06 , 15.33 ± 4.86 & 8.83 ± 4.78 , and 19.67 ± 14.88 & 19.08 ± 12.12 respectively. The effect size of group A was 1.88 & Group B was 1.34. **Conclusion:** The music therapy could be passive or active type but if it is based on child preference it will have very good impact on reducing

anxiety level of the child and it will keep the children relaxed before going to surgery.

115. Effectiveness of music therapy and visual imagery technique on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan- A pilot study.

Mohanasundari SK, Padmaja A, Rathod KK, Kothari S.

IJPHRD 2020;11:645-50.

Statement of the Problem: Increasing attention is nowadays being paid to a variety of non-pharmacological interventions for decreasing preoperative anxiety such as music therapy, music medicine interventions, visual imagery technique and so on. **Method:** Three arm randomized controlled trial was conducted to assess the effectiveness of music therapy and visual imagery techniques on preoperative anxiety with total 36 children aged between 4 to 12 years. Samples were equally distributed to three groups (12 in each group). Group-A received music therapy, Group-B received visual imagery technique for 15 to 30 minutes duration minimum three times a day and Group-C (control group) received conventional intervention. Hamilton Anxiety Rating scale was used to measure the preoperative anxiety level. Data was computed in SPSS-16.

Result: The mean and SD score of pre and post-test in experimental group A, B and C was 7 ± 3.43 & 1.67 ± 2.06 , 15.33 ± 4.86 & 8.83 ± 4.78 and 19.67 ± 14.88 & 19.08 ± 12.12 respectively. The effect size of Group-A was 1.88 and Group-B was 1.34. One way ANOVA found significant difference between the groups and the interpretation of post Hoc test was, Group-A had much effectiveness when compared with other two groups. **Conclusion:** If music therapy or visual imagery technique given especially just before giving anesthesia, the child will experience very less anxiety or no anxiety and that could reduce the post-operative stay and improve outcome status of the child.

116. Effectiveness of visual imagery technique with conventional intervention on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan- A pilot study.

Mohanasundari SK, Padmaja A, Rathod KK, & Kothari.S.

Asian J Nursing Edu Res 2020;10:269-74.

Introduction: Increasing attention is being paid to a variety of non-pharmacological interventions for reduction of preoperative anxiety such as music therapy, music medicine interventions, and visual imagery technique for the children undergoing surgeries. **Method:** Randomized controlled trial was conducted to assess the effectiveness of visual imagery technique (VIT) with conventional intervention on preoperative anxiety among 24 children undergoing surgeries, aged between 4 to 12 years. Experimental group received prerecorded guided audio for visual imagination for 15 to 30 minutes duration minimum 3 times a day, along with conventional interventions and control group received conventional interventions. Hamilton anxiety rating scale was used to measure the preoperative anxiety level. **Result:** The percentage of effect was 42.4% and 2.89% in experimental and control group respectively. The effect size of experimental group was 1.34. **Conclusion:** If visual imagery technique given especially just before giving anesthesia, the child will experience very less anxiety or no anxiety and that could reduce the post-operative stay and improve outcome status of the child.

117. Evaluate the effectiveness of awareness programme on breast cancer and skill training on breast self examination among rural women in chittoor district Andhra Pradesh – A Collaborative Research.

Padmaja A, Mohanasundari SK, Munuswamy Murali, Shesha kumar.

Asian J Nursing Edu Res 2020;10:97-102.

Introduction: There is an increased burden of breast cancer in both developed and developing countries including India. Globally, over one million breast cancer cases are diagnosed annually. Inadequate knowledge about breast cancer is documented as an important factor in preventing women visiting screening facilities, engaging in BSE, and delayed treatment, and thus contributes to the high morbidity and mortality rates. **Method:** Evaluation study was conducted to assess the effectiveness of the awareness programme on knowledge regarding breast

cancer and practice on breast self-examination (BSE) among 3015 rural women in Chittoor dist, Andhra Pradesh though providing health education on breast cancer and skill training on BSE. **Result:** Women had adequate knowledge on breast cancer (Mean \pm SD=8.04 \pm 1.62) and very good practice on BSE (Mean \pm SD= 15.21 \pm 1.98) **Conclusion:** Conducting awareness programme for women will help rural women to go for screen and that could prevent increasing incident of mortality and morbidity rate

118. Awareness of self management of heart failure patients at tertiary care center of Andhra Pradesh.

Nagaramesh V, Nagarathnam M

Int J Adv Res Med Surg Nurs 2020;2:74-81.

Objectives: 1. To assess the knowledge on self-care management of patients with heart failure. 2. To find out the association between knowledge on self-care management with selected Demographic variables. **Material and Methods:** Cross sectional descriptive research design with a non-probability convenient sampling technique was used in which 155 patients who were diagnosed as a heart failure at cardiology OPD, SVIMS were selected as samples. Data was collecting by using self-care of heart failure Index scale which includes three sub scales 1.self-care maintenance 2.self-care management and 3.self-care confidence. Data analysis by Mean, Standard deviation, Chi- square test and Correlation. **Results:** The study findings reveals that in self-care maintenance 27 (17.4%) were having inadequate knowledge, 70 (45.2%) having moderate knowledge, 58 (37.4%) having adequate knowledge, in selfcare management, each 52 (33.5%) having no symptoms and were having inadequate knowledge, 30 (19.4%) were having moderate knowledge, 21 (13.5%) were having Adequate knowledge whereas selfcare confidence 32 (20.6%) were having inadequate knowledge, 100 (64.5%) were having moderate knowledge and 23 (14.8%) were having adequate knowledge and the distribution of Mean and Standard deviation of knowledge on self-management for self-care maintenance was 2.20 \pm 0.715, selfcare management was 2.13 \pm 1.030 and self-care confidence was 1.94 \pm 0.595. **Conclusion:** Heart failure disease patients should improve their knowledge and change their

behavior to maintain quality of life. Recommended to use self-management programs and create awareness regarding disease progression at community level to change the behavior and promote health status of patients with heart failure

119. Assessment of post traumatic stress levels among patients with Myocardial infarction at tertiary care center of Andhra Pradesh.

Aparna, P. and Dr. Nagarathnam, M

Int J Curr Res 2020;12;14940-7.

Objectives: To assess the post traumatic stress levels among patients with myocardial infarction. To find out the association between post traumatic stress levels with the socio demographic variables. **Material and methods:** The present study was a Cross-sectional descriptive research design with a non-probability convenient sampling technique was used which 168 patients who are diagnosed as myocardial infarction at cardiology OPD, SVIMS, Tirupati. Data was collected by using demographic variables and PTSD scale (Edna B.Foa,2013) and data was analyzed by using mean, standard deviation, chi-square test. **Results:** The study findings revealed that 23.2% of patients are suffering with mild post traumatic stress, 71.4% were having moderate stress and 5.4% were having severe post traumatic stress. The mean and standard deviation shows that post traumatic stress levels was 1.82 ± 0.505 . **Conclusion:** The study findings concluded that 71.4% of Myocardial Infarction patients were having moderate stress levels. Patients developed a positive attitude towards stress coping strategies by instructional booklet. There is precising need for public awareness programs that define PTSD among MI patients in a simplified and understandable language and explain coping strategies to overcome PTSD and to minimize further complications.

120. Effect of variables on quality of life among caregivers of patients undergoing peritoneal dialysis.

Nagarathnam M, Latheef S A, Sivakumar V.

Indian J Palliat Care 2020;26:490-4.

Background: Most of the studies carried out abroad showed the effect of one or two variables on the constructs

of burden, coping strategies, and quality of life (QOL) but nil in India context. These constructs change by cultural factors. The evaluation of variables influencing these constructs may be helpful in fine tuning the interventions to reduce the burden and to improve the QOL of caregivers of patients undergoing peritoneal dialysis (PD). **Aim:** The aim of this study was to investigate the impact of demographic, social and clinical variables on burden, coping strategies, and QOL in caregivers of patients undergoing PD. **Materials and Methods:** In this prospective study, we recruited 100 caregivers of patients undergoing PD and made assessment on burden, coping strategies, and QOL and evaluated the effect of demographic, social, and clinical variables on these constructs. **Results:** None of the studied variables showed effect on burden and coping strategies. Age, gender, duration of caregiving, presence of chronic disease, and duration of the presence of chronic disease showed a significant effect on QOL. **Conclusion:** The impact of demographic and clinical variables on QOL suggests these variables should be given adequate attention while developing interventions for alleviating the burden and improving the QOL of caregivers of patients undergoing PD.

121. A study to assess the effectiveness of Lactational Counseling on Breast Engorgement and New Born feeding behavior among Antenatal mothers at CEmONC Centre, Madanapalli.

Mrs. Varalakshmi, Ms. B. Nagarathna, Dr. C. Usha Kiran,

Int J Creative Res Thoug 2020;8:2320-882.

Background: Breastfeeding is the universally preferred method of feeding a newborn. Breast engorgement is a condition that affects breastfeeding mothers early in the postpartum. The discomfort and tenderness as a result of the engorgement is a major contributing factor to the early cessation of breastfeeding. Many treatments for breast engorgement have been attempted and explored. The studies revealed that lactational counseling can increase the knowledge of mother in reducing the incidence of breast engorgement and in improving the new born feeding behaviour. **Aim:** the aim of the study was to prevent breast engorgement and newborn feeding behavior. **Objectives:** 1. Determine the effectiveness of lactational counseling on breast engorgement among ante natal mothers., 2.Determine the effectiveness of lactational counseling on

newborn feeding behaviour among antenatal mothers. 3. Associate the breast engorgement and newborn feeding behaviour with selected background variables of the antenatal mother. **Methodology:** 50 antenatal mothers from CEMONC center, Madanapalli were selected by using convenience sampling method. **Results:** Study results shows that among 50 primi antenatal mothers' majority 62% (31) had inadequate knowledge, 34% (17) had moderate knowledge and only 4% (2) had adequate knowledge in pre-test. Whereas in post-test 8% (16) had inadequate knowledge and 50% (25) had adequate knowledge and 34% (17) had moderate knowledge on newborn feeding behavior. Study findings revealed that among 50 primi antenatal mother's majority 64% (32) had inadequate knowledge, 30% (15) had moderate knowledge and only 6% (3) had adequate knowledge in pre-test. Whereas in post-test 7% (14) had inadequate knowledge, 54% (27) had adequate knowledge and 32% (16) had moderate knowledge on breast engorgement.

122. A study to assess the effectiveness of role play on team nursing among 2nd Year B.Sc Nursing students in selected Nursing college Tirupathi, A.P, India.

Usha Kiran C, Sreelatha M.

Int J Nurs Edu 2020;12;36-42.

The aim of the study was to assess the effectiveness of role play on team nursing among 2nd year B.Sc(N) students in CON, SVIMS, Tirupati. **Objectives:** To assess the level of knowledge on team nursing among 2nd year B.Sc (N) students in CON, SVIMS, Tirupati. To assess the effectiveness of role play among 2nd year B.Sc (N) students in CON, SVIMS, Tirupati.

To find the correlation between level of knowledge and selected demographic variables of 2nd year B.Sc (N) students **Methodology:** By using convenient sampling technique a preexperimental research design was adopted, 100 2nd year B.Sc.(N) students were chosen as samples, and data collection was done by using a self structured questionnaire. Results: The study results revealed that out of 100 samples 53% (53) had inadequate knowledge, 31%(31) had moderate knowledge, and 16%(16) had adequate knowledge in their pre test and the post test results had shown as 28%(28) had moderate knowledge, and

72%(72) had adequate knowledge, none of them had inadequate knowledge. **Conclusion:** As the technology in nursing education has been increasing day by day; role play is one of the best live innovative method of giving essential information to the students. In the present study the results showed that, the role play was effectively improved the knowledge of 2nd year B.Sc (N) students regarding team nursing.

123. A study to assess the effectiveness of panel discussion on quality of care at Hospital among 1st year B.Sc Nursing students in selected Nursing College, SVIMS, Tirupati, Andhra Pradesh, India.

Usha Kiran, Sreelatha M.

Int J Curr Res 2020;12:12942-5.

The aim of the study was to assess the effectiveness of panel discussion on quality of care at hospital among 1st year B.Sc.(N) students in, CON, SVIMS, Tirupati. Objectives • To assess the level of knowledge on quality of care at hospital among 1st year B.Sc.(N) students. • To assess the effectiveness of panel discussion among 1st year B.Sc.(N) students. • To find out the association between level of knowledge and selected demographic variables among 1st year B.Sc. (N) students. **Methodology:** By using convenient sampling technique, a Pre-experimental research design was adopted, 100 B.Sc. (N) 1st year students were taken as samples. Data collection was done by using a self-structured questionnaire. Results: The study results revealed that out of 100 samples 92% (92) had inadequate knowledge, 8%(08) had moderate knowledge, and 0%(0) had adequate knowledge in their pre-test, whereas in post-test 8% (8) had inadequate, 53%(53) had moderate knowledge, and 39%(39) had adequate knowledge. **Conclusion:** As the technology has been increasing in nursing education; panel discussion is one of the best method of understanding the multi-dimensionality of a specific topic under discussion and the students be able to understand the scenario in a clear way which provides essential information, helps in developing critical thinking and also improves the presentation skills of the students. In the present study the result showed that, the panel discussion was effectively improved the knowledge of 1st year B.Sc. (N) students regarding quality of care.

124. A study to assess the effectiveness of debate on innovations in nursing among 1st year BSc Nursing students in selected Nursing College Tirupathi, A.P. India.

Usha Kiran C, Sreelatha M.

Int J Curr Res 2020;12:12946-9.

The aim of the study was to assess the effectiveness of debate on innovations in Nursing among 1st year B.Sc.(N) students in, CON, SVIMS, Tirupati. **Objectives:** • To assess the level of knowledge on innovations in nursing, among 1st year B.Sc.(N) students • To assess the effectiveness of debate, among 1st year B.Sc.(N) students • To find out the association between level of knowledge and selected demographic variables, among 1st year B.Sc. (N) students.

Methodology: By using convenient sampling technique, a Pre-experimental research design was adopted, 100 B.Sc. (N) 1st year students were taken as samples. Data collection was done by using a self-structured questionnaire. Results: The study results revealed that out of 100 samples 92% (92) had inadequate knowledge, 8%(08) had moderate knowledge, and 0%(0) had adequate knowledge in their pre-test, whereas in post-test 8% (8) had inadequate, 53%(53) had moderate knowledge, and 39%(39) had adequate knowledge. **Conclusion:** As the technology in nursing education has been increasing day by day; debate is one of the best method of understanding the facts and faults about a specific topic and the students be able to understand the scenario in a clear way, which gives essential information to the students. In the present study the result showed that, the debate was effectively improved the knowledge of 1st year B.Sc. (N) students regarding innovations in nursing.

125. Knowledge of antenatal mothers regarding low birth weight babies in mass center, Tirupathi.

Usha Kiran.

Int J Obst Gynaecol Nur 2020;2:16-8.

Introduction: In the present era of science and technology where quality is of supreme priority, quality of life can only be accredited by decreased morbidity and mortality rate of newborn. According to UNICEF report dying in

month of life at an average global rate of 18 deaths per 1,000 live births. India makes it 12th worst among the 52 lower-middle-income countries and as per the WHO report in 2017, 23.7 deaths per thousand live. **Objectives:** To assess the knowledge of antenatal mothers regarding low birth weight baby. To find out association between knowledge score of antenatal mothers regarding low birth babies with their selected demographic variables. **Methodology:** A descriptive research design was adopted for hundred antenatal mothers who were selected by using non probability convenient sampling at Mass Center, Tirupati, in order to assess the knowledge of antenatal mothers regarding low birth weight babies by using structure questionnaire. The tool was validated by experts and modification were made according to expert's suggestions. **Results:** In the assessment among 100 antenatal mothers, 48 (48%) had inadequate knowledge, 34 (34%) had moderate knowledge, 18 (18%) have adequate knowledge on low birth weight babies.

126. A comparative study to assess the effectiveness of lecture cum demonstration vs video assisted teaching method on knowledge regarding antenatal exercises among antenatal mothers in MCH center at Tirupathi.

Usha Kiran C, Mogilaeeshwari P.

Int J Obst Gynaecol Nurs 2020;2:14-5.

Introduction: The objective of the study are to assess the knowledge of antenatal mothers regarding antenatal exercises by pretest, to evaluate the effectiveness of video assisted teaching and lecture cum demonstration on knowledge regarding antenatal exercises among antenatal mothers by posttest, to compare the effectiveness between video assisted teaching and lecture cum demonstration on knowledge regarding antenatal exercises among antenatal mothers, to identify the association between knowledge regarding antenatal exercises among antenatal mothers with their selected demographic variables. **Methodology:** Pretest and posttest design with two comparison treatments as adopted for hundred antenatal mothers were selected by using non-probability convenient sampling techniques at MCH center, Tirupathi, to assess the knowledge of antenatal mothers regarding antenatal exercises by using structured questionnaire. Interview schedule was done, flash cards and videos on antenatal

exercises was provided after data collection. Results: The results of the study show the association that there was significant association of posttest knowledge regarding antenatal exercises with various demographic variables like age, educational status of antenatal mother, educational status of spouse, occupation of the spouse, type of family, domicile, family income, source of knowledge at $p < 0.05$ level after lecture cum demonstration method, it also showed that there was significant association of posttest knowledge regarding antenatal mothers with various demographic variables like religion, educational status, occupation of the spouse and family income per month at $p < 0.05$ level, after video assisted teaching. The comparative value was $p < 0.016$ level which clearly indicates that there is on much significant difference between lecture cum demonstration and video assisted teaching on regarding antenatal exercises among antenatal mothers. **Conclusions:** The comparative value was $p < 0.016$ level which clearly indicates that there is no much significant different between lecture cum discussion and video assisted teaching on regarding antenatal exercises among antenatal mothers.

127. A study to evaluate the effectiveness of structured teaching programme on knowledge regarding PAP SMEAR among women at Kondavalasa Village, Srikakulam district.

Usha Kiran C, Nalini K, Varalakshmi K.

Int J Creat Res Thoughts 2020;8:2320-882.

Introduction: Cancer is a disease in which abnormal cells divide in an uncontrolled way. Cervical cancer starts in the cells lining the cervix (the lower part of the uterus). Cancer of the cervix is an increasing health problem and an important cause of mortality in women worldwide. Early cervical epithelial changes can be identified by a Pap smear test. Cancer is the second leading cause of death globally after cardiovascular diseases. Globally, Approximately 570,000 cases of cervical cancer and 311,000 deaths from the disease occurred in 2018. According to the World Cancer statistics, >80% of all the cervical cancer cases are found in developing (like India) and low-resource countries, because of a lack of awareness and difficulty in running cytology-based screening programs. **Objectives:** To Assess the knowledge on cervical cancer and pap smear

among women in Kondavalasa village by pre test. To Evaluate the effectiveness of structured teaching programme regarding knowledge on cervical cancer and pap smear among women. To Find out the association between pre test knowledge scores on cervical cancer and pap smear among women with their selected demographic variables **Methodology:** One group pre-test and post-test design was used to evaluate the effectiveness of structured teaching programme on knowledge regarding pap smear among women at Kondavalasa village, Srikakulam (district). A total of 50 rural women were selected by Non-probability convenient sampling technique. Tool used for conducting study was structured questionnaire on cervical cancer and checklist on pap smear. **Results:** In pre-test out of 50 rural women 43(86%) had inadequate knowledge regarding pap smear whereas 6(12%) had moderately adequate knowledge and only 1(2%) had adequate knowledge. In post-test 9(18%) had moderately adequate knowledge, 41(82%) had adequate knowledge after structured teaching programme. **Conclusion:** The present study revealed that rural women have inadequate knowledge regarding pap smear in prevention of cervical cancer and after structured teaching programme knowledge have improved among rural women. So, there is a need to educate the rural women to increase awareness about pap smear in order to prevent the cervical cancer.

128. A study to assess the effectiveness of Lactational Counseling on Breast Engorgement and New Born feeding behavior among Antenatal mothers at CEmONC Centre, Madanapalli.

Varalakshmi, Nagarathna B, Usha Kiran C.

Int J Creative Res Thoughts 2020;8:158-166.

Background: Breastfeeding is the universally preferred method of feeding a newborn. Breast engorgement is a condition that affects breastfeeding mothers early in the postpartum. The discomfort and tenderness as a result of the engorgement is a major contributing factor to the early cessation of breastfeeding. Many treatments for breast engorgement have been attempted and explored. The studies revealed that lactational counseling can increase the knowledge of mother in reducing the incidence of breast engorgement and in improving the new born feeding behaviour. **Aim:** the aim of the study was to prevent breast

engorgement and newborn feeding behavior. **Objectives:**

1. Determine the effectiveness of lactational counseling on breast engorgement among ante natal mothers.,
2. Determine the effectiveness of lactational counseling on newborn feeding behaviour among antenatal mothers.
3. Associate the breast engorgement and newborn feeding behaviour with selected back ground variables of the antenatal mother.

Methodology: 50 antenatal mothers from CEmONC center, Madanapalli were selected by using convenience sampling method. **Results:** Study results shows that among 50 primi antenatal mothers' majority 62% (31) had inadequate knowledge, 34% (17) had moderate knowledge and only 4% (2) had adequate knowledge in pre-test. Whereas in post-test 8% (16) had inadequate knowledge and 50% (25) had adequate knowledge and 34% (17) had moderate knowledge on newborn feeding behavior. Study findings revealed that among 50 primi antenatal mother's majority 64% (32) had inadequate knowledge, 30% (15) had moderate knowledge and only 6% (3) had adequate knowledge in pre-test. Whereas in post-test 7% (14) had inadequate knowledge, 54% (27) had adequate knowledge and 32% (16) had moderate knowledge on breast engorgement.

129. A Descriptive study to assess the knowledge on self care of post caesarean section among rural women at cherlopalli, Chittoor District.

Usha Kiran C, Reddy pyari K, Varalakshmi K.

Int J Creat Res Thoughts 2020;8:3353-9

Introduction: In philosophy, the women symbolize the mother's natural feminine characteristics in the universe. Caesarean section is a surgical procedure in which incision is made through a mother's abdomen and uterus to deliver one or more babies. It is usually performed when a vaginal delivery would put a baby's or mother's life or health at risk. The WHO recommended that the rate of caesarean section should not exceed 15% in any country.

Methodology: Quantitative research approach was adopted to achieve the objectives of the study, which was felt to be most appropriate for its practicability in real life situation. It has the advantages of practicability, feasibility and to a certain extent for generalization. Research design was descriptive research design. The study was conducted at cherlopalli, Chittoor district. Population includes rural

women at cherlopalli, Chittoor district. Sample size consists of 100 rural women under inclusion criteria. Non probability convenient sampling technique was adapted for the present study based on inclusion criteria. The present study revealed -that among 100 rural women 45% had inadequate knowledge 34% had moderate and only 21% had adequate knowledge regarding self-care of post caesarean section. There is need for health education to the rural women to enhance the knowledge. The women's knowledge regarding self-care of post caesarean section the sample mean-scores were 22.43 with standard deviation 7.21. There was significant association between knowledge scores of women on self care of- post caesarean section with their selected demographic variables like age in years, religion, educational status of the women, educational status of the spouse, occupation of the women, family income per month in rupees, history of previous caesarean section, source of information related to caesarean section at 0.01 level. Hence H02 was rejected. And some of the variables as type of family and gravida has not shown significant association. **Conclusion:** The obtained findings led to the following conclusions. The present study revealed that among 100 rural women 45% had inadequate knowledge 34% had moderate and only 21% had adequate knowledge regarding self-care of post caesarean section. There is need for health education to the rural women to enhance the knowledge.

130. A study of blood pressure and its relation with anthropometric measurements among adolescents in a particular community.

Rukmini S, Kokilamma B, Sudha Rani P, Sreelatha M

Int J Current Res 2020;12:14467-72

Introduction: Majority of non communicable disease related deaths are attributed to four groups of diseases, cardiovascular diseases, cancers, diabetes and chronic respiratory diseases. Main risk factors for non communicable diseases include dietary habits, physical inactivity, tobacco and alcohol use. Other risk factors include high blood pressure, high cholesterol levels, high glucose levels and genetic susceptibility (history of premature death or disability due to coronary heart disease or stroke, diabetes and hypertension). Two thirds of premature deaths in adults are associated with childhood

conditions and behaviours, and behaviour associated with NCD risk factors is common in young people. Over 150 million young people smoke; 81 percent adolescents don't get enough physical activity; 11.7 percent of adolescents take heavy episodic drinking and 41 million children under 5 years old are overweight or obese. Hypertension is one of the most common public health problems globally among adults, and recent data suggests that there is an increase in the incidence of childhood hypertension as well.

Methodology: Non experimental approach was adopted to achieve the objectives of the study, which is felt to be most appropriate in the field of education for its practicability in real life situation. It was advantages of practicability, feasibility and to a certain extent for generalization. In this study descriptive research design was used. The study was conducted at Annur panchat, Karveti nagaram mandal, Chittoor (DT). The population includes adolescent age group 14-15 years of both male and female students. Sample size consists of 100 adolescents under inclusion criteria. Non probability convenient sampling technique was adopted based on inclusion criteria. **Results:** Regarding the assessment of Blood Pressure out of 100 adolescents, majority of 78 per cent were normal Blood Pressure, 22 per cent were pre hypertension. The mean and standard deviation scores were 1.22 ± 0.416 . Regarding the BMI, Out of 100 adolescents, 82 per cent were normal weight, 10 per cent were under weight, and 8 percent shows over weight. The mean and standard deviation scores of BMI 1.98 ± 0.426 Where as W/H ratio 59 per cent have low risk, 16 per cent have moderate risk, and 25 per cent have high risk. The mean and standard deviation scores 1.66 ± 0.855 . Statistically significant association of Blood Pressure with anthropometric measurements like height was significant at 0.05 level and other anthropometric measurements like weight, waist circumference, Hip circumference were significant at 0.01 level. BMI and W/H ratio were not showing any significant association. There was association between Blood Pressure with age, gender, education, mother education, mother occupation, income at 0.05 levels. Hence H01 was rejected. And some of the variables such as religion, father occupation, and family type are not showing any significant association. Association between BMI related to gender, education, mother education, father occupation, income at 0.05 levels. Hence H02 was rejected. Where as remaining demographic variables (religion) is not showing

any significant association **Conclusion:** The present study revealed that adolescents having pre hypertensive and overweight. There is a significant association between Blood Pressure with anthropometric measurements. Information booklet was given for further reference to enhance their knowledge levels and it may help to prevent the non communicable diseases.

131. A study to assess the knowledge regarding hypothyroidism and its effects among adolescent girls in selected areas of Pakala.

Sreelatha M, Renuka Priya JC, Sudha Rani.P

Int J Curr Res 2020;12:14612-6.

Introduction: Thyroid disorders are amongst the most prevalent of medical conditions and these are common worldwide. In India too, there is a significant burden of thyroid diseases. They are five common thyroid diseases in India 1) Hypothyroidism 2) Hyperthyroidism 3) Goiter and iodine deficiency disorders 4) Hashimoto's thyroiditis and 5) Thyroid cancer. The prevalence of hypothyroidism is the most common type of thyroid dysfunction. . It consists of two lateral lobes connected by an isthmus. The gland is about 5cms long and 3 cms wide and weighs about 30g. The blood flow to the thyroid is very high about 5ml/min per gram of thyroid tissue. **The thyroid gland produces three hormones:** Thyroxine (T4), Triiodothyronine (T3) and Calcitonin. Adolescence is the period of transition between childhood and adulthood. Children who are entering adolescence are going through many changes (physical, intellectual, personality and social developmental). Adolescence begins at puberty, which now occurs earlier, on average, than in the past. Hypothyroidism results from suboptimal levels of thyroid hormone. Thyroid deficiency can affect all body functions and can range from mild, sub-clinical forms to myxedema an advanced form. The most common cause of this in adults is auto immune thyroiditis (Hashimoto's disease), in which the immune system attacks the thyroid gland. **Methodology:** Non-Experimental approach was adopted to achieve the objectives of the study, which was felt to be most appropriate for its practicability in real life situation. It has the advantages of practicability, feasibility and to a certain extent for generalization. Research design was descriptive research design. The study was conducted in

selected areas of Pakala. Population includes adolescent girls in selected areas of Pakala. Sample size consists of 100 adolescent girls under inclusion criteria. Non probability convenient sampling technique was adopted for the present study based on inclusion criteria. Results: With regard to the level of knowledge regarding hypothyroidism and its effects out of 100 adolescent girls, majority of samples 55 (55%) had moderate knowledge, 24(24%) of samples had inadequate knowledge, 21(21%) of samples had adequate knowledge. The mean knowledge score was 31.65 and the standard deviation was 7.019. There was significant association between the level of knowledge and selected socio demographic variables like Educational status of mother, father, Occupational status of father and Residence, significant at $p < 0.01$ level and some of socio demographic variables such as Age in years, Occupational status of mother, Type of family, Monthly family income significant at $p < 0.05$. Hence H_0 hypothesis was rejected. There was no significant association between level of knowledge and demographic variables like religion and standard of study. **Conclusion:** In this study most of the adolescent girls had moderate and inadequate knowledge regarding hypothyroidism. The information booklet has enhanced the knowledge levels of adolescent girls regarding hypothyroidism and its effects. The demographic variables such as Age, Gender, Educational status of mother and father, occupational status of mother and father, monthly family income, residence and source of information were associated with their knowledge regarding hypothyroidism and its effects.

132. A study to assess the knowledge of late adolescents regarding primary prevention of Type-2 diabetes mellitus in a selected urban Community, Tirupathi.

Miss Konapuram Preethi, Kokilamma B, Sudha Rani P, Sreelatha M.

Int J Curr Res 2020;12:14617-22.

Introduction: Diabetes mellitus is a chronic disease of metabolic disorder characterized by hyperglycaemic condition resulting from defective in Insulin secretion, Insulin action or both. Type 2 DM results from insulin resistance, combined with relative or absolutely insulin / deficiency. In type 2 DM due to insulin resistance in glucose the body tissues do not respond to the action of

insulin. When insulin is not properly used, the entry of glucose into the cell is impeded, resulting in hyperglycemia. The prevalence of type 2 diabetes in Adolescents and young adults is dramatically increasing. Similar to older onset type 2 Diabetes, the major predisposing risk factors are obesity, family history, and sedentary life style .onset of Diabetes at a younger age (up to age 40 years) is associated with longer disease exposure and increased risk for chronic complications. Young onset type 2 diabetes also affects more individuals of working age, accenting the adverse societal effects of the disease. Objectives: To assess the knowledge of late adolescents regarding primary prevention of type 2 diabetes mellitus in a selected students. To associate the level of knowledge with their selected socio- demographic variables on primary prevention of Type 2 diabetes mellitus among Late Adolescents. **Methodology:** Non - experimental approach was adopted to achieve the objectives of the study, which is felt to be most appropriate in the field of education for its practicability in real life situation. It has the advantage of practicability, feasibility and to a certain extent for generalization. Research design was Descriptive research design. The study was conducted at S.V. nagar urban tirupathi .Population includes Late adolescents studying graduation at selected urban area community Tirupathi. Sample size consists of 100 Late adolescents under inclusion criteria. convenient sampling technique was adopted based on inclusion criteria. **Results:** Out of 100 samples majority (61%) were having moderate knowledge, 12 per cent were having inadequate knowledge and 27 per cent were having adequate knowledge on primary prevention of type 2 diabetes mellitus. There is significant association between level of knowledge of Late adolescents with their age, gender, residence, educational status of mother, occupational status of mother, occupational status of father, income of family, year of degree significant at <0.05 level where as remaining demographic variables (religion, educational status of father, Type of family, previous exposure to educational program me, source of information) are not showing any significant. So null hypothesis rejected. The mean knowledge score was 1.85 and the standard deviation was 0.609. Based on the findings, it is found that most of the Late adolescents had moderate knowledge on primary prevention of type 2 diabetes mellitus. **Conclusion:** Association of knowledge of Late adolescents with their

age, gender, residence, educational status of mother, occupational status of mother, occupational status of father, income of family, year of degree significant at <0.05 level where as remaining demographic variables (religion, educational status of father, Type of family, previous exposure to educational program, source of information) are not showing any significant. So null hypothesis rejected. The mean knowledge score was 1.85 and the standard deviation was 0.609 on significant at 0.05 level. These findings suggested structured teaching Program will improve the knowledge regarding primary prevention of type 2 diabetes mellitus. These findings suggested extensive health educational program was needed to bring awareness among late adolescents. So as community health nurse need to encourage public health education programme on primary prevention of type 2 diabetes mellitus and the knowledge and to bring out health community.

133. A Comparative study to assess the knowledge on gastritis among male and female undergraduates in selected areas of Chittoor.

Sreelatha M, Rajamanikyam Sushma, Sudha Rani P,

Int J Creative Res Thoughts 2021;9:580-92.

Introduction: A change in one aspect of a person's life brings about change in every aspect of his or her being and alters the quality of the whole. Gastrointestinal system is one of the systems of our body which has a relation with diet. Upper gastrointestinal inflammatory process is exceedingly common and has a wide spectrum of cause and manifestation. Gastritis disorder are common; unless treated promptly and completely, they can continue to cause problems throughout the person's life. Clients need assistance to learn a new way of eating in order to achieve and maintain health and to make necessary lifestyle changes. **Methodology:** Non- Experimental approach was adopted to achieve the objectives of the study, which was felt to be most appropriate for its practicability in real life situation. It has the advantages of practicability, feasibility and to a certain extent for generalization. Research design was descriptive research design. The study was conducted in selected areas of Chittoor. Population includes Male and Female undergraduates in selected areas of Chittoor. Sample size consists of 100 undergraduates (50 Male &

50 Females) under inclusion criteria. Non probability convenient sampling technique was adopted for the present study based on inclusion criteria. **Results:** Out of 100 samples 50 male undergraduates i.e majority 28(56.00%) were having adequate knowledge, 17(34%) were having moderate knowledge and 5(10.00%) were having inadequate knowledge on gastritis. In 50 female undergraduates 40(80.00%) were having adequate knowledge, 8(16.00%) were having moderate knowledge and 2(4.00%) were having inadequate knowledge on gastritis. Male sample mean was 32.14 and standard deviation was 6.468 were as female sample mean was 36.48 and standard deviation was 5.733, t-value was 3.551 significant at $p<0.001$ level. Hence H01 was rejected. There was association between level of knowledge on gastritis among male undergraduates with their selected socio-demographic variables like Age in years, occupation of the mother significant at <0.005 level and standard of the study was significant at 0.001 level. Hence H02 was rejected. And some of the variables has not shown significance such as religion, education of the mother, education of the father, occupation father, family income per month, residence, dietary pattern, previous knowledge and source of information. Association between level of knowledge on gastritis among female undergraduates with their selected socio-demographic variables like Age in years, occupation of the father, family income per month significant at 0.001 level and residence significant at 0.005 level. Hence H02 was rejected. And some of the variables has not shown significance such as religion, standard of study, education of mother, education of father, occupation of the mother, dietary pattern, previous knowledge and source of information. **Conclusion:** Out of 100 sample majority of the sample were having adequate knowledge on gastritis female were having adequate knowledge in comparison with male undergraduates. The demographic variables such as Age, Gender, Educational status of mother and father, occupational status of mother and father, monthly family income, previous knowledge and source of information were associated with their knowledge on gastritis. Information booklet was given for their further reference to enhance their knowledge levels and it may help to prevent the disease.

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 fund agencies

S. No	Investigator	Funding Agency	Title of the Project	Grant of money (Rupees)
1	Dr. Alladi Mohan Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS.	Directorate General of Health Services, New Delhi	Evaluation of the efficacy of thrice week DOTS regimen in TB pleural Efusion at six months	11,27,743
2	Dr. Alladi Mohan Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS.	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
3	Dr. UshaKalawat Assoc. Prof, Dept. of Microbiology, Principal Investigator, SVIMS.	ICMR, New Delhi	Establishment of a network of laboratories for managing epidemics and natural calamities	6,94,49,042
4	Dr. Alladi Mohan Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS.	Science & Engineering Research, New Delhi	To Study the effect of mobile phones on well being, sleep and cognitive function	25,75,000
5	Dr.Alladi Mohan Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS.	ICMR, New Delhi	Impact of package of intensive smoking cessation interventions versus recommended, basic smoking cessation advice on outcomes in smear-smear positive patients with pulmonary tuberculosis	6,68,923
6	Dr. K.SivaSankar, Cfar, SVIMS	DBT, New Delhi	Exosomesignaling via EBER-1 and EBER-2 and the regulatory role of lost BTB/POZ domain containing Zinc finger proteins.	54,33,147
7	Dr. K. Madhavi, Professor & Principal, COP, SVIMS.	Centre for Vedas Science Research (CVSR) Tirupati	Influence of integrated physiotherapy and Vedic therapy on pain, disability and quality of life in grade I, Osteo arthritis individuals	2,13,500

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S. No	Investigator	Funding Agency	Title of the Project	Grant of money (Rupees)
8	Dr. K.Nagaraj, Professor & HOD, Dept. of Community Medicine, SVIMS.	ICMR, New Delhi	Improving the Health Care Access among Scheduled tribes: An Implementation Research in Chittoor District, Andhra Pradesh	25,49,100
9	Dr. K.Nagaraj, Professor & HOD, Dept. of Community Medicine, SVIMS.	ICMR, New Delhi	Socio-demographic, health, nutritional vulnerability and Prakriti assessment among the elderly in Chittoor District, Andhra Pradesh : a cross sectional study	6,29,120
10	Dr. S.Venkata Naveen Prasad, Associate Professor, Dept of Neurology, SVIMS.	ICMR-NCDIR Bengaluru	HTA of National Stroke Care Registry Programme: Development of Hospital Based Stroke Registries in different regions of India	5,00,000
11	Dr. Alladi Mohan, Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS.	INTEREST Trial, Vellore	Intravenous Treatment for Scrub Typhus (INTREST) Trial	2,50,000
12	Dr. K. Nagaraj, Professor & HOD, Dept. of Community Medicine, SVIMS.	Vijayawada, Andhra pradesh	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	19,20,370
13	Dr. Usha Kalawat, Assoc. Prof, Dept. of Microbiology, Principal Investigator, SVIMS.	NCDC New Delhi	Program for Intersectoral coordination for prevention and control of zoonotic diseases in India	32,20,000
14	Dr. Alladi Mohan, Prof. & HOD, Dept. of Medicine, Principal Investigator, SVIMS	ICMR, New Delhi	Prevalence, risk factors and laboratory diagnosis of non tuberculosis mycobacterial (NTM) disease : a multicentre study	10,05,400
15	Dr. D.Rajasekhar Prof. & HOD, Dept. of Cardiology, SVIMS.	ICMR, New Delhi	ICMR-National heart failure registry	1,08,400
			Total	9,09,02,573

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SBAVP Grant released for the calendar year 2020

i) For Faculty

S.No.	Name	Title of the project	Grant Sanctioned Rs.
1.	Dr A.Y. Lakshmi Professor & HoD, Radiology	To study the utility of high resolution ultrasound and magnetic resonance imaging in patients presenting with shoulder joint pain	2,50,000
2.	Dr D.T. Katyarmal Assoc. Professor, Medicine	To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus	2,65,500
3.	Dr V.S. Kiranmye Assoc. Professor, Biochemistry	Study of lipid profile and lipid indices in postmenopausal women	31,200/-
4.	Dr V.S. Kiranmye Assoc. Professor, Biochemistry	Study of Bone turnover markers in post menopausal women	61,500/-
5.	Dr T.C. Kalawat, Prof. & HoD of Nuclear Medicine	Utility of 18F-FDG PET/CT in the initial staging and management of patients with oesophageal carcinoma	7,20,000/-
6.	Dr N. Sharvani Assoc. Professor, Physiology	Effect of heartfulness meditation on oxidative stress markers in patients with coronary artery disease	62,400/-
7.	Dr Sharan B Singh Professor & HoD of Physiology	Effect of Heartfulness meditation on vital parameters and biomarkers of stress in healthy female medical students	2,29,800/-
8.	Dr Aparna R Bitla Professor & HoD of Biochemistry	Comparison of methods for measurement of haemoglobin A1c levels in predialysis chronic kidney disease	2,48,000/-
9.	Dr R.Ram Prof. & HoD of Nephrology	Correlates of atherosclerotic vascular disease in stable postrenal transplant patients	3,28,800/-
10.	Dr R.Ram Prof. & HoD of Nephrology	A study on markers of inflammation and oxidative stress in patients of ESRD with peritonitis on peritoneal dialysis	2,31,900/-
11.	Dr B. Vijaya Lakshmi Devi Prof. of Radio-diagnosis	Quantitative apparent diffusion coefficient value as imaging biomarker in patients of cervical cancer	4,44,000/-

ii) MD/DM/MCh Post Graduates

S.No.	Name	Title of the project	Grant Sanctioned Rs.
1.	Dr R Anila Postgraduate Junior Resident in MD (Anaesthesiology)	Effect of intravenous infusion of ascorbic acid on hyperbaric bupivacaine spinal block characteristics in infraumbilical surgeries: a prospective, randomized, double blind, placebo controlled study	12,395/-
2.	Dr K. Mamatha Postgraduate Junior Resident in MD (Biochemistry)	Comparison of methods for measurement of haemoglobin A 1c levels in predialysis chronic kidney disease	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.SrinivasaRao

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 672 submissions in its first nine 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 an average 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, 36 issues have been published without any break or missing of an issue. The journal has grown in strength with number of original articles increasing from a minimum of 3 per issue to a minimum of 6 per issue. 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 2020 (Volume 9 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 2020 are listed below:

Under “**Original Article**” Category

Satri V, Kumar VS, Satyanarayana V, Ramakrishna B S, Srinivasa Rao PVLN, Madhusudan M. Epidemiology and outcome of acute kidney injury in patients presenting to emergency department – Our experience. J Clin Sci Res 2020;9:77-81.

Under “**Case Report**” Category

Guduru S, Mutthineni H, Manda G, Rao MN. An unusual and interesting case of pheochromocytoma. J Clin Sci Res 2020;9:242-4.

The authors shall be issued a merit certificate on the University Anniversary day, 26th February 2021. 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 2019 – 20, The following students have successfully completed their academic programme and became eligible for award of Degrees/Diplomas during the next (11th) Convocation.

1.1 DM / MCh Courses

S.No.	Name of student	Specialty
1	Dr Nagaraja Reddy Challa	Cardiology
2	Dr Raja Naga Mahesh Maddala	Cardiology
3	Dr Raghuram Bollineni	Cardiology
4	Dr V. Ravindra Dev	Cardiology
5	Dr Sandeep Ganta	Endocrinology
6	Dr Avinash Patil	Endocrinology
7	Dr Koppara Naveen Kumar	Nephrology
8	Dr Raja Amarendra Muthina	Nephrology
9	Dr Tirupati Kedar	Neurology
10	Dr Madineni K Usha Chowdary	Neurology
11	Dr Manideep Malaka	Neurology
12	Dr Vandana Setti Santhosh	Medical Oncology

S.No.	Name of student	Specialty
13	Dr Lakshmi Priyadarshini K	Medical Oncology
14	Dr Barde Nitin Manohar	Neurosurgery
15	Dr Kunal Kumar	Neurosurgery
16	Dr Goutham Hanu Tammireddy	Neurosurgery
17	Dr S. Nagesh Kumar	Surgical Oncology
18	Dr Suraj Pinni	Genito Urinary Surgery
19	Dr Naveen Goyal	Genito Urinary Surgery
20	Dr Yagneshwar Sharma	Genito Urinary Surgery
21	Dr Thushar Sharma	Genito Urinary Surgery
22.	Dr. Sravanti Balaga	Surgical GE

1.2 M.D. Courses

S.No.	Name of student	Specialty
1	Dr G. Sujani	Anaesthesiology
2	Dr Valaji Joshna	Anaesthesiology
3	Dr Koracha Gayathri Devi	Anaesthesiology
4	Dr R. Bhanuprakash	Anaesthesiology
5	Dr Yadhu Bhushanam K	Anaesthesiology
6	Dr Mukku Kiranmye	Anaesthesiology
7	Dr Mahesh E	Anaesthesiology
8	Dr Kaarthika Thottikat	Anaesthesiology
9	Dr Chukkaluru Sumadhu	Anaesthesiology
10	Dr Keerthi Thejmitta	Biochemistry
11	Dr K. Navakiran Reddy	Emerg. Medicine
12	Dr Vinayak Yerra	Emerg. Medicine
13	Dr Tanikanti Sowjanya Lakshmi	Medicine
14	Dr Rahul Conjeevaram	Medicine
15	Dr Madigonda Ganesh	Medicine
16	Dr Vasili Pradeep	Medicine
17	Dr T. Neeharika	Medicine
18	Dr Gureddy Harshavardhan Reddy	Medicine

S.No.	Name of student	Specialty
19	Dr Racheri Suryudu	Medicine
20	Dr Vakakula Devika Reddy	Medicine
21	Dr Krishna Kumar Mala	Medicine
22	Dr Vangaru Harika	Microbiology
23	Dr Singareddy Chandra Teja Reddy	Nuclear Medicine
24	Dr Jeepalem Sai Moulika	Nuclear Medicine
25	Dr K B Sricharan	Nuclear Medicine
26	Dr Burada Soumia	Pathology
27	Dr Krishna Chaithanya E	Pathology
28	Dr Satyanarayana Goud V	Radio Diagnosis
29	Dr N. Suneel	Radio Diagnosis
30	Dr Kiran Kumar K	Radio Diagnosis
31	Dr Narapareddi Siva Sahas Reddy	Radio Diagnosis
32	Dr Settem Theja	Radio Diagnosis
33	Dr Sake Vinod Kumar	Radio Diagnosis
34	Dr Chandana Bimineni	Radio Diagnosis
35	Dr G.V.Deepthi	Radiotherapy
36	Dr Chevireddy Praneetha	Radiotherapy

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1.3 Ph.D. Degree

For the year 2019 – 20, the institute has awarded 2 Ph.D. degrees in Allied Health Sciences

S.No.	Name of the student	Faculty Under which registered	Department of study
1	P.Chiranjeevi	Allied Health Sciences	Bioinformatics
2	G.Dharani Prasad	Allied Health Sciences	Anaesthesiology

1.4 MBBS

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
	2014 – 2019 Batch	31	Bhukya Nandini Bai	63	Inti Hema
1	B. Asha Latha	32	Bodugu Anjali	64	Jerripothula Venkata Geetha Sri
2	M.Asha	33	Bonasi Ooha	65	Jhansi Angelina Gudisa
3	R.Aswini	34	Budumuru Sireesha	66	Josyula Aparna
4	P.Bhagyalakshmi	35	Bukke Prameela	67	Jutur Pooja Reddy
5	B.Chandrika Rani	36	Burla Rama Mounika	68	K. Sreeyaja
6	V.Chandrika	37	Bynaboina Nandini	69	Kakani Vishnu Vandana
7	G.Gayathri Bhat	38	C Sayee Sankari Chandini	70	Kala Rekha Sree
8	B.Lumbini	39	Chanumolu Lohitha	71	Kalpana Vankayalapati
9	Snagapalli S V L Manasa	40	Cheppali Chandhini	72	Kandala Srikavya
10	Y.Mounika	41	Chinnareddy Anusha	73	Karukola Sahitee Siri
11	Chava.Saitanuja	42	Chirrareddy Yagnapriya	74	Kasinede Tejaswini
12	K.Saron Prathyusha	43	D Alekhya	75	Kavarthapu Asha
13	Shaik Almaas Tarannum	44	Dakavaram Hema Manvi	76	Kediri Mounika
14	T.Sravanthi Bai	45	Dantu Greeshma	77	Keetha Tejasvi
15	D.Sri Vasavi	46	Derangula Gowthami	78	Kokkiligadda Nagajyothi
16	G.Tanmayee	47	Dokku Divya Ravali	79	Kokku Meghana Reddy
17	A.Vineetha	48	Doodi Prathyusha	80	Kolli Durga Mallika
18	P.Meghana	49	Doppalapudi Nikhita	81	Kolli Laasya Sree
19	V.Mrudula	50	Durgalla Pravalika	82	Komitireddy Likitha Reddy
	2015 – 2020 Batch	51	Ejjirothu Sai Kruthi	83	Konda Sindhu Manogna
20	Allu Pallavi	52	Gaddam Praveena	84	Kone Anantha Srividya
21	Aripirala Keerthi	53	Gaddam Sri Lakshmi	85	Kothanuru Sai Latha
22	Arnipalli Pavani	54	Gagguturi Roshini	86	Lebakula Sudhakar Bhavana Sai
23	Atukuri Lakshmi Priyanka	55	Gajulapalli Himabindu	87	Leela Lakshmi Prasanna
24	Bachhu Bhargavi	56	Gali Haritha	88	M Sindhu
25	B Kavitha	57	Gnanasa Kalpala	89	Macharla Neelima
26	Badikala Sreevaishnavi	58	Goli Sri Likhitha	90	Maddirala Sumitra
27	Badri Sri Harshini	59	Golluri Shruthi	91	Mahal Shravani
28	Battina Anusha	60	Goriparthi Yamini Bhavani	92	Mekala Bhavana
29	Beeranji Tejaswi	61	Gulla Virali	93	Mude Gnanambika
30	Bestha Joshna	62	Gurram Lakshmi Prasanna	94	Mudiam Veera Bhavana

Sri Venkateswara Institute of Medical Sciences

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
95	Muthyala Bhargavi	112	Puppala Chandrika	129	Suraparaju Sonika
96	Nadukuru Nikhila	113	Raga Deepika Kolli	130	Sureddi Sowjanya
97	Narala V Himaja Reddy	114	Ragireddy Sumam Reddy	131	T Sai Pooja
98	Nellore Eswaraiah Vinitha	115	Ravella Naga Manasa	132	Tadi Mounika
99	Nitla Lakshmi Puja	116	Rekadi Mounika Mani	133	Tetali Naga Harini
100	Obili Sampathi	117	S Sheethal	134	Thomala Vasavi Kalyani
101	Owk Esther	118	S Suhani	135	Thota Ashwitha
102	P Harshitha	119	Sai Pragnya Narreddy	136	Thota Nikitha
103	Palacharla Satya Sri Aamani	120	Sameecheena Reddy V	137	Thoti Bhanu Sree
104	Pallaprolu Jyothirmai	121	Shaik Aiman Fatima	138	Thugu Thanmai Reddy
105	Paluchani Chervitha Reddy	122	Shaik Akhila	139	Thummala Yoshitha
106	Patta Keerthana	123	Shaik Ameerun	140	Vadla Krishnaiah Shalini
107	Penumatsa Priyanka	124	Shaik Hafsa	141	Vakdoth Nagya Sony
108	Pothana Nisha	125	Shaik Sana	142	Valluri Gnana Samaja
109	Priyanka Kastala	126	Sunkesula Naga Poojitha	143	Vegesna Mohana Sai Pooja
110	Puchakayala Sai Poojitha	127	Supriya Avvari	144	V Indu Sree
111	Punugoti Nigama	128	Suragani Krishna Sahithi	145	Yaddalapudi Lakshmi Harshitha

1.5 M.Sc. Nursing

S.No.	Name of the student	Speciality	S.No.	Name of the student	Speciality
1	P.Aparna	Paediatric Nursing	16	V.Naga Ramesh	Med Surgical Nursing
2	P.Monika	Paediatric Nursing	17	O. Venkateswarlu	Med Surgical Nursing
3	R.Pavithra	Paediatric Nursing	18	S.V.Radha	Med Surgical Nursing
4	T. Rajeswari	Paediatric Nursing	19	A.Bhagyamma	OBG Nursing
5	T.Saravana	Paediatric Nursing	20	E.J.Vijaya Kumari	OBG Nursing
6	G.Yamuna	Paediatric Nursing	21	B.Lalitha	OBG Nursing
7	V.Anitha	Community health Nursing	22	B.Nagarathna	OBG Nursing
8	K.Preethi	Community health Nursing	23	K.Nalini	OBG Nursing
9	S.Rukmini	Community health Nursing	24	K.Reddy Pyari	OBG Nursing
10	B.Reshma	Community health Nursing	25	P.Babyrani	Psychiatry Nursing
11	J.C.R.Renuka Priya	Community health Nursing	26	C.Dhanalakshmi	Psychiatry Nursing
12	R.Sushma	Community health Nursing	27	P.Haritha	Psychiatry Nursing
13	G.Archana	Med Surgical Nursing	28	S.Anthony Mariya Rani	Psychiatry Nursing
14	P.Aparna	Med Surgical Nursing	29	JSS Sai Kumar	Psychiatry Nursing
15	S.Ayesha	Med Surgical Nursing	30	R.Vani	Psychiatry Nursing

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1.6 Master of Physiotherapy

S.No.	Name of the student	Speciality
1	S.Balaji	Cardiovascular & Pulmonary
2	R.Geervani	Cardiovascular & Pulmonary
3	P.Sai Sandeep	Cardiovascular & Pulmonary
4	S.S.Anil Kumar	Neurology
5	K.Manasa	Neurology
6	R.Sreekanth	Neurology
7	D.V.Jaya Chitra	Orthopaedics
8	L.Jayaprakash	Orthopaedics

S.No.	Name of the student	Speciality
9	K.Navya Charitha	Orthopaedics
10	P.Sabitha Kanna	Orthopaedics
11	M. Sahithya	Orthopaedics
12	D.Suseela	Orthopaedics
13	M.Nagaraja Reddeppa	Sports
14	D.Sai Mahendra Raghuv eer	Sports
15	S.Mohammad Ali	Sports

1.7 M.Sc. Medical courses

S.No.	Name of the student	Speciality
1	W.R. Reema Rao	Anatomy
2	B. Vasundhara	Anatomy
3	T. Hema Harshitha	Biochemistry
4	T. Keerthika	Biochemistry
5	P. Leela	Biochemistry

S.No.	Name of the student	Speciality
6	KNT. Durga	Microbiology
7	J. Pranuthi Roy	Microbiology
8	Y. Supriya	Microbiology
9	V.G.K.Lakshmi Prasanna	Physiology
10	D. Sucharitha	Physiology

1.8 M.Sc. (AHS) Courses

S.No.	Name of the student	Speciality
1	V.Chandana	Echocardiography

1.9 M.Sc. Life Sciences Courses

S.No.	Name of the student	Speciality
1	M. Bhupathi Raju	Biotechnology
2	G. Chinna	Biotechnology
3	D. Girish Desai	Biotechnology
4	S. Mamatha	Biotechnology
5	K.S.Nikhila	Biotechnology
6	P. Ruthamma	Biotechnology
7	M.S.Krupa Rakshan	Biotechnology
8	M. Siva	Biotechnology
9	Y.Swetha	Biotechnology

S.No.	Name of the student	Speciality
10	N.Gowthami	Biotechnology
11	K.Bhavya	Bioinformatics
12	P. Jyothirmayee	Bioinformatics
13	M. Koteswara Rao	Bioinformatics
14	C.H.M. Chakravarthi	Bioinformatics
15	Shaik. Muzeba	Bioinformatics
16	T. Shalini	Bioinformatics
17	G. Yaswanth Sinha	Bioinformatics

Sri Venkateswara Institute of Medical Sciences

1.10 B.Sc. Nursing

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
1	S.Aishabegam	32	B.Jayasree	63	B.Pavani
2	T.Akhila	33	P.Joshni	64	A.Pavankalyan
3	R.Alen Lezzel	34	M.Jyothi	65	P.Pavithra
4	C.Anilkumar	35	D.Jyothirmayee	66	N.Pooja
5	M.Anusha	36	B.Jyothsna	67	N.Poojitha
6	S.Anusha	37	I.Jyotshna Devi	68	M.Prathima
7	G S Aruna	38	P.Kaveri	69	P.Priya
8	B.Aswini	39	E.Kavitha	70	M.Priyanka
9	S.K.Ayeshabe	40	A.Kavya Sree	71	V.Priyanka
10	P.Babitha	41	M.Kavya Sree	72	K.Pushya
11	V.Bhuvaneswari	42	G.Krishnakumari	73	C.Rajeswari
12	K.Blessima	43	T.Krishnamoorthy Kavitha	74	B.Ruchitha
13	P.Chandana Sai	44	B.Lahari Chaithanya	75	M.Sai Kalyan
14	E.Chandini	45	C.Lakshmi Prasanna	76	Sai Nandini
15	S.Chandini	46	A.Lalasa	77	G.Sai Teja
16	B.Chenchu Lakshmi	47	C.Lavanya	78	P.Sandhya
17	T.Deepika	48	K.Lavanya	79	B.Saritha
18	G.Deepthi	49	U.Lavanya	80	K.Shalini
19	C.Divya Bharathi	50	C.Likhith Kumar Reddy	81	K J.Shani
20	K.Divya Rani	51	K.Lokesh Reddy	82	M.Siva Kumar
21	G.Divya Vani	52	V.Maheswari	83	P.Sreevidya
22	S.Divya	53	S.Manjula	84	R.Srividya
23	C.Durgayashaswi	54	S.Mehathaj	85	D.Supriya
24	P.Gunasruthi	55	K.Mounika	86	P.Suseela
25	A.Guru Lokesh	56	M.Nagalakshmi	87	D.Sushma
26	B.Gurunath	57	S.Nagamani	88	M.Teja
27	B.Haritha	58	K.Naveena	89	G.Thejaswini
28	K.Harshini	59	R.Nikhila	90	N.Vanitha
29	V.Hemasree	60	N B.Nirmala	91	K.Vasantha Kalyani
30	R.Hemavathi	61	C.Pavan Kalyan	92	M.Venkata Lakshmi
31	D.Jayaram	62	A.Pavan Kumar	93	P.Yadukrishna

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1.11 Bachelor of Physiotherapy

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
1	T.Mounika	17	K.Lalithya Sai	33	A.Sai Pragna
2	G.Afriduddin	18	M.Lekha	34	P.Sai Ravi Teja
3	C.Anithapriya	19	G.Likitha	35	M.Sai Rishita
4	S Archana	20	P.Mahitha Saptagiri	36	P.Saimegana
5	N.Das	21	B.Mounika	37	M.G.Sandhya Rani
6	K.Dilip Kumar	22	M.Muni Bhargavi	38	S.Sankara Rao
7	K.Farheen	23	O.Narendra	39	B.Sharmila Shirdhi
8	P.Gayathri	24	P.Snehaja	40	M.Shiridimai
9	K.Geetha	25	V.Pavani	41	G.Sridevi
10	T.Hari Priya	26	K.Pavithra	42	M.Vaishnavi Kumari
11	C.N.S.Haripriya Bhavani	27	G.Pratyusha	43	P.Vasavi
12	G.Himasree Sagarika	28	L.Priyadarshini	44	M.Vasundhara
13	P.Jahnavi	29	P.Purushotham	45	T.Vivardhini
14	K.Kishore	30	S.Ramprasad	46	D.Dilip Kumar
15	K.V.C.Lakshmi Kousalya	31	P.Sabiya		
16	A.Lakshmi Priya	32	E.Sai Bhargavi		

1.12 B.Sc. AHS courses (4 year degree course including 1 year compulsory internship)

S.No.	Name of the student	Speciality	S.No.	Name of the student	Speciality
1	P.Ayesha	MLT	20	T.Kumar Raja	DT
2	Y.Rahul	MLT	21	S.Mounika	DT
3	P. Joshna	MLT	22	V.Naveen Kumar	DT
4	U.Uday Kiran	MLT	23	V.Sahithya	DT
5	P.Amrutha Sri	AT	24	D.Varshitha	DT
6	M.Chucharitha	AT	25	M.Navya Sai	ECG & CVT
7	S.Hemalatha	AT	26	G.Sireesha	ECG & CVT
8	A.Hrushikesh	AT	27	D.Tejavathi	ECG & CVT
9	B.Lavanya	AT	28	P.Thejaswi	ECG & CVT
10	T.Manasa	AT	29	S.Usha	ECG & CVT
11	B.Parimala	AT	30	S.Venkatesh	ECG&CVT
12	S Prathyusha	AT	31	S.L.Bob Prince	EMST
13	D.Sai Jaswanth	AT	32	C.Divya	EMST
14	P Sribindu	AT	33	V.Ramakrishna Prasad	EMST
15	Swathi E	AT	34	G.Anuhya Reddy	MLT
16	C.Vishnu Priya	AT	35	P.Chaitanya Sruthi	MLT
17	E.Harichandana	CPPT	36	G.Chenchu Dilli Krishna	MLT
18	D.Mounika	CPPT	37	K.Divya	MLT
19	S.Fahima Sultana	DT	38	V.Divya Sai	MLT

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S.No.	Name of the student	Speciality
39	Y.Greenika Sandepa	MLT
40	M.Hemapriya	MLT
41	B.Keerthi	MLT
42	S. Khadervali	MLT
43	K.Lakshmi Jyoshnavi	MLT
44	T.Sarath Kumar	MLT
45	K.Sravani	MLT
46	B.Srivani	MLT
47	A.Suji	MLT
48	K .Thulasi	MLT
49	T.Shalini	NMT
50	K.Sushmita	NMT

S.No.	Name of the student	Speciality
51	T.Nishal	NPT
52	S.Ramesh Chandra	NPT
53	Y.Harathi	RIT
54	A.Padmavathy	RIT
55	A.Reena Sravanthi	RIT
56	S.Sheeba	RIT
57	K.Sony	RIT
58	C.Soundarya	RIT
59	M.Swetha	RIT
60	M.Vani Pushpa	RIT
61	B.Yanadisetty	RIT

1.13 Post Basic Diploma in Nursing

S.No.	Name of the student	Speciality
1	T. Arun Kumar Reddy	Cardiac intensive care and catheterization laboratory nursing
2	V. Chinna Gurraiah	Cardiac intensive care and catheterization laboratory nursing
3	G. Ganga Prasad	Cardiac intensive care and catheterization laboratory nursing
4	C. Pavitra Salomi	Cardiac intensive care and catheterization laboratory nursing
5	K. Radhika	Cardiac intensive care and catheterization laboratory nursing

S.No.	Name of the student	Speciality
6	M. Roja	Cardiac intensive care and catheterization laboratory nursing
7	N.Lokeswari	C.T. Surgery
8	C.Mounika	C.T. Surgery
9	M. Pavitra	C.T. Surgery
10	C.Srilatha	C.T. Surgery
11	C.Suresh	C.T. Surgery
12	K. Divya	Peritoneal Dialysis
13	M. Evanjali	Peritoneal Dialysis
14	N. Lahari	Haemo Dialysis
15	K.Poojitha	Renal Transplantation

1.14 Diploma in Radiotherapy Technology

S.No.	Name of student
1	K R Sanjana
2	Sanika Manasa

S.No.	Name of student
3	Tirupathi Mounika
4	Tiruttani Rahul

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2.0 Training to the students of other institutions

The request of students from other institutions for 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 desired to receive training have to send the filled in application form through proper channel.

For the calendar year 2020, 327 students from various institutes were given training. The details are as follows:

2.1 MD Courses

S. No	Name	Course	Institution	Period of posting	Place of Posting
1	Dr Y. Aswini	Radiology	PESIMSR, Kuppam	13th -27th January 20	Nuclear Medicine
2	Dr Ramakanth Veluru	Radiology	PESIMSR, Kuppam	30th January – 13th Feb. 20	Radiology
3	Dr CH V Suneel Babu	General Medicine	Private person	26th May – 09th June, 2020	Endocrinology
4	Dr. LCND Praveen	Nuclear Medicine	SVIMS	17th July – 16th October 2020	Nuclear Medicine
5	Dr C. Gopal	Pulmonary Medicine	S V Medical College, Tirupati	14th October – 7th November 2020	Radiology
6	Dr M. Eswar	General Medicine	KMC, Kurnool	01st – 30th November 2020	Neurology Medical Oncology
7	Dr U. Naga Raju				
8	Dr A. Mohan Prasad				
9	Dr C. Naveen Reddy				
10	Dr A. Veera Reddy				
11	Dr K. Anil Kumar				
12	Dr R. Giyyar Patrudu				
13	Dr Divya Teja	Pathology	BIRRD Hospital, Tirupati	01st November 31st October 2020	Transfusion Medicine
14	Dr C.Madhu Sekhar	Psychiatry	S V Medical College, Tirupati	06th -30th November 2020	Neurology
15	Dr B.R. Prasad Reddy				
16	Dr B. Sai Pavan Kumar	Psychiatry	S V Medical College, Tirupati	04th – 31st December 2020	Neurology
17	Dr Kavitha P Gadadavar				
18	Dr E.G. Radhunathan	General Medicine	KMC, Kurnool	4th – 31st December 2020	Neurology Medical Oncology
19	Dr K. Vignan Tarun Kumar				
20	Dr G. Mythri Chandana				
21	Dr A. Kavya Lahari				
22	Dr K. Naveena				
23	Dr K. Anjan Kumar				
24	Dr P. Kavya Krishna	Respiratory Medicine	NRI Institute of Medical Sciences, Visakhapatnam	12th Dec. 2020 –31st January 2021	General Medicine Anesthesiology Radiology
25	Dr N. Namratha				

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2.2 MS Courses

S. No	Name	Course	Institution	Period of posting	Place of Posting
26 27 28 29 30 31	Dr Tejswaroop Pala Dr M. V. Sai Niharika Dr Karthik Selvam Dr. Damodar Kakumanu Dr Panabaka Sindhuja Dr Venkata Ravi kishore R	General Surgery	PESIMSR, Kuppam	1st – 31st January 2020	Surgical Oncology CT Surgery
32 33	Dr B. Sridivya Dr K. Sreevidya	ENT	RIMS, Kadapa	1st – 31st Jan. 2020	Surgical Oncology
34	Dr Sumesh Raja	General Surgery	S V Medical College, Tirupati	07th February – 7th March, 2020	Surgical Oncology
35 36 37	Dr B. Venkateswarlu Dr Y. Likhitha Dr A. Rama Krishna	Salyatantra	S V Ayurveda College, Tirupati	11th February – 10th May, 2020	General Surgery
38 39	Dr G.V. Chandramouli Dr A. Gnanasudha	Salyatantra	S V Ayurveda College, Tirupati	11th May – 10th July, 2020	General Surgery
40	Dr G. Sai Manish Reddy	General Surgery	S.V. Medical College, Tirupati	16th -30th April, 2020 1st – 30th Sep. 2020	Surgical GE Surgical Oncology
41	Dr P. Madhuri	General Surgery	S.V. Medical College, Tirupati	9th – 31st May 2020 1st -30th Dec. 2020	Surgical GE Surgical Oncology
42	Dr Sanjay Raj Kumar Reddy	General Surgery	S.V. Medical College, Tirupati	09th-31st May, 2020 01st-31st July, 2020	Surgical GE Surgical Oncology
43 44 45	Dr P. Chandi Priya Dr V.C. Geetha Krishna Dr K. Devika	General Surgery	S.V. Medical College, Tirupati	June, 2020 01st – 30th	Surgical GE
46 47	Dr P. Mahalakshmi Dr M. Jethavya Reddy	General Surgery	S.V. Medical College, Tirupati	15th – 30th June, 2020 01st – 31st Jul. 2020	Surgical Oncology Surgical GE
48 49 50 51 52	Dr P. Chandi Priya Dr V.C. Geetha Krishna Dr K. S. Lakshminpathi Naik Dr N. Rishitha Dr K. Devika	General Surgery General Surgery	S.V. Medical College, Tirupati S.V. Medical College, Tirupati	1st– 31st July 2020 07th-31st July 2020 01st – 31st December 2020 01st – 31st August 2020	Surgical Oncology Surgical Oncology Surgical GE
53 54	Dr Radha Krishnan Divya Dr B.G. Tejaswi	General Surgery	S.V. Medical College, Tirupati	01th – 31st October 2020	Surgical GE

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S. No	Name	Course	Institution	Period of posting	Place of Posting
55	Dr M. Jahnavi	General Surgery	S.V. Medical College, Tirupati	13th -31st	Surgical
56	Dr T.N. Chandra Cinna Raju			October 2020	Oncology
57	Dr A. Venkat Vineeth			01st Nov. 2020	Surgical GE
58	Dr DVSS. Mythri			1st -30th Nov. 2020	Surgical
				1st – 31st Dec. 2020	Oncology
					Surgical GE
59	Dr R. Nithya	ENT	S.V. Medical	01 st–31st	Surgical
60	Dr K. Manogaran		College, Tirupati	December 2020	Oncology
61	Dr Parimala Sri	General Surgery	Rangaraya Medical College, Kakinada	28th November – 14th Dec. 2020	Surgical GE
	Sravva Soorneedi				
62	Dr T. Sowjanya				
63	Dr Sanath Kumar Bolimera				
64	Dr E. Dinesh				
65	Dr K. Bhavya	ENT	Santhiram Medical College and General Hospital, Nandyal, Kurnool	7th December – 06th January 2020	Surgical Oncology
66	Dr. M. Sree Teja	OBG	S.V. Medical College, Tirupati	01st -31st December 2020	Endocrinology
67	Dr K. Divya Vani				Radiation
68	Dr S. Lakshmi Poojitha				Oncology
69	Dr G. Chandu Priya				Surgical
70	Dr Sujitha				Oncology
71	Dr T. Navya Sree				
72	Dr R. Geetha Rani				
73	Dr Bhargavi				
74	Dr Poojitha				
75	Dr S. Gireesh Kumar Reddy	General Surgery	Narayana Medical College, Nellore	15th Dec. 2020 to 16th March 2021	Surgical
76	Dr A. Sushmitha				Oncology
77	Dr J. Nithin				Surgical GE Urology
78	Dr B. Bharath	General Surgery	Narayana Medical College, Nellore	19th Dec 2020 15th February 2021	Urology Surgical Oncology
79	Dr Y. Naveen Kumar	General Surgery	Rangaraya Medical College, Kakinada	29th Dec. 2020 05th January 2021	Surgical GE
80	Dr S. Ramesh Babu				
81	Dr S. Sireesha				

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2.3 Pharmacy Courses

S. No	Name	Course	Institution	Period of posting	Place of Posting
82 83 84	M. Leelavathi P. Tejasree A. Sandya	D. Pharmacy	SV Govt. Polytechnic, Tirupati	12th October - 11th January, 2020	Pharmacy stores
85 86 87	K.K. Usha T. Bhavitha U.Jayasree	D. Pharmacy	S.P.W. Polytechnic, Tirupati	17th October - 14th January, 2020	Pharmacy stores
88 89 90 91 92	C. Vishnu P. Jyothis Kumar T.Girish Kumar B.Kiran M.Manju	Diploma in BME	SV Govt. Polytechnic, Tirupati	13th October - 12th January 2020	Biomedical Engineering
93	P. Vamsi Krishna	Diploma in BME	SV Govt. Polytechnic, Tirupati	19th October - 18th January 2020	Biomedical Engineering
94	M. Kusuma	Biomedical Engineering	Saveetha School of Engineering College, Chennai	14th November - 13th January 2021	Biomedical Engineering
95 96 97 98 99 100 101 102	R. Deepa B. Sireesha V.M. Mahesh E. Jagadish Raghavi V. Venu Vardhan G. Sai Jahnavi K. Jayakrishna P. Vamsi Mahesh	Diploma in Sanitary Inspector course	All India Institute of Local self Govt. Tirupati	20th February - 19th March 2020	General Maintenance
103 104 105 106 107 108 109 110	P. Jaya Sankar T. Madhulatha G. Naresh K. Rajasekahar Achari A.Pawan Kalyan C.L. Siva Kumar S. Vijai Kumar B. Yashwanth	M.Sc. Instrumentation	S.V. University	14th February - 29th February 2020	

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Pharm. D Courses (S.No. 111 to 165)

The 5th year (31 Nos.) students of Pharm. D, Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dist. were permitted for specialty training in the Dept. of Medicine, General Surgery, Pediatrics, Psychiatry OBG and Dermatology w.e.f. 2nd March, 2020 to 21st July, 2020.

The 3rd year (22 Nos.) students of Pharm. D Course, Krishna Teja Pharmacy College, Renigunta Road, Tirupati were permitted for specialty training in the Dept. of General Medicine, Dermatology, Nephrology, Medical Oncology w.e.f. 17th February 2020 to 16th March, 2020.

P.Vishnu Priya, Internship 6th year student of Pharm. D course, Vijaya Institute of Pharmaceutical Sciences for Women, Vijayawada is permitted for Internship in the Dept. of Orthopedics, Dermatology, Pediatrics, OBG, Psychiatry, General Surgery, Cardiology, Nephrology, Endocrinology, Neurology, Emergency Medicine & Medicine w.e.f. 2nd December, 2020 to 1st December, 2021.

The following Internship 6th year students (27 Nos.) of Pharm. D, Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dist. were permitted for Internship in the Dept. of Orthopedics, Dermatology, Pediatrics, OBG, Psychiatry, General Surgery, Cardiology, Nephrology, Endocrinology, Neurology, Emergency Medicine & Medicine w.e.f. 26th February 2020 to 25th February, 2021.

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
166	Ajay. C	175	Manoja. B	184	Sneha Reddy. P R
167	Aruna Jyothi. D	176	Naveena. M	185	Sowmya. E
168	Dijitha. M	177	Nikitha . K	186	Sri Lakshmi. K
169	Geervani. M	178	Pooja Pragathi. V	187	Sukanya. E
170	Govardhan Reddy. M	179	Pooja. A	188	Sumitha.V
171	Indraneel. M	180	Pushpa. P	189	Sumitra . M
172	Jyothsna. K	181	Sainath Reddy. K	190	Tejasri. K
173	Kiranmayi. T	182	Sasi Prasad. D	191	Thejasri. A D
174	Komala Priya. P	183	Sindhu. S P	192	Bhargavareddy. G

The following Internship 6th year students (24 Nos.) of Pharm. D course, Seven Hills College of Pharmacy, Venkataramapuram, Tirupati were permitted for Internship in the Dept. of Endocrinology, Nephrology, Neurology, Medical Oncology, Radiation Oncology, Cardiology, Pharmacy, Emergency Medicine, OBG, Psychiatry, General Surgery and Medicine w.e.f. 15th May 2020 to 17th February, 2021.

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
193	Abhishekar	201	Latha sree	209	Saranya
194	Akmal	202	Lavanya	210	Shajahan
195	Bhavana	203	Manjusha	211	Sujitha
196	Bhavya sree	204	Mohanalakshmi	212	Vinay kumar
197	Charitha	205	Monika	213	Vinitha
198	Deepika	206	Navya keerthi	214	Yuvanandhan
199	Habeebjan	207	Priyadharshini	215	Heena kauser
200	Harika sree	208	Priyanka	216	Sai Srujana

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The following Internship 6th year students (22 Nos.) of Pharm D course, Krishna Teja College of Pharmacy, Tirupati were permitted for Internship in the Dept. of ENT, Dermatology, Paediatrics, Cardiology, Radiation Oncology, Emergency Medicine, Neurology, Nephrology, Endocrinology, General Surgery, Medical Oncology and Medicine w.e.f. 2nd March 2020 to 1st March, 2021.

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
217	Anagani Ashok	225	Kothuru Raja Nandini	233	PG Geervani
218	Aruru Pavithra	226	Mathyam Vaishnavi	234	Thannamala Manasa Reddy
219	Gangireddy Chamundeswari	227	Mekala Ganesh Kumar	235	Thirapana Keerthi
220	Gunakala Sasikala	228	Nahidha Khanam	236	Thirveni K
221	Gutthi Bhagyalakshmi	229	Nitturu Mounisha Begum	237	V Snehaseela
222	Jada Kiran Kumari	230	Nuthakki Havila	238	Vuthavandla Mounika Yadav
223	Kannabathula Swapna	231	Onti Krishnasai		
224	Konda Lahari Reddy	232	Parshi Phani Sameera		

2.8. BSc. (N) (Sl.No. 239 to 293)

The 3rd year students of B.Sc (N) (46 nos.) & 1st year PB B.Sc.(N) Sri Vidyaniketan College of Nursing, Rangampet, Chittoor Dist. were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology, Radiation Oncology, Neurology and Neurosurgery for a period of one (01) month w.e.f. 04/03/2020 to 03/04/2020.

The 2nd year students of M.Sc. (N) (08 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the Dept. of Cardiology & CT. Surgery w.e.f. 02/06/2020 to 31/08/2020.

2.9. Alternative Medicine

The following Internship students of BAMS Course, S.V Ayurvedic College, Tirupati were permitted for specialty training in the Dept. of Emergency Medicine & General Surgery for a period of ten days in each specialty during 1st January to 30th June 2020.

S.No.	Name of student	S.No.	Name of student	S.No.	Name of student
294	K. Sravani	302	K. Sravani	310	Palavelli Chudamani
295	M. Prabath	303	M. Prabath	311	D. Karthik
296	P. Suresh	304	P. Suresh	312	T. Karthikeyan
297	S. Akshay Kumar	305	P. Saritha Rani	313	S.B. Kousik Rayal
298	J. Sai Hima Kiran	306	S. Supraja	314	K. Kavya
299	K. Sahithi	307	P.V. Naveena	315	O. Hima Bindu
300	P.L. Alaekhya	308	C. Lahari		
301	Shaik Naziya	309	P. Mounika Yadav		

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2.10 Training to other students

S. No	Name	Course	Institution	Period of posting	Place of Posting
316 317 318 319 320	S. Raghu Venkat Y.Sandhya T. Saranya Yadav V.Anwar M.Divya	B.Pharmacy	Sri Padmavathi School of Pharmacy, Tirupati	11th February – 10th March 2020	Microbiology
321 322	Akhila Sravani	B.Sc. (ASLP)	AYJNISHD Secunderabad	1st January – 29th February 2020	Neurology
323 324	K. Vasantha A.Sowjanya	B.Sc. (ASLP)	AYJNISHD Secunderabad	4th March – 3rd May 2020	Neurology
325 326	B. Supraja S.Sri Ram	M.Sc. Integrated Biotechnology	VIT University Katpadi	14th September – 13th April 2020	Bioinformatics
327	B. Tarani	MBA	Lovely Professional University, Phagwara, Punjab.	14th May – 23rd July, 2020	Establishment Section

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.

Induction training programme which was commenced last year for the newly joined employees (Regular, Adhoc & Outsourced) are being conducted regularly. Also to meet the norms of NABH, specialty wise privilege forms of the Faculty & Nursing were obtained. In view of COVID-19 pandemic, the induction program was made online.

Employee Statistics

Faculty (Medical) – Regular & Adhoc

S.No.	Cadre	Male	Female	Total
1	Senior Professor	04	02	06
2	Professor	38	10	48
3	Associate Professor	22	15	37
4	Assistant Professor	35	24	59
5	Chief Medical Officer (SAG)	02	01	03
6	Chief Medical Officer	04	-	04
7	Senior Medical Officer (SMO)	-	01	01
	TOTAL	105	53	158

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Faculty on Compulsory service

S.No.	Cadre	Male	Female	Total
1	Senior Resident	12	15	27
2	Assistant Professor	11	02	13
	TOTAL	23	17	40

Residents

S.No.	Cadre	Male	Female	Total
1	PG Junior Residents (MD)	43	72	115
2	Non-PG Junior Residents	02	03	05
3	PG Senior Residents (DM/MCh/PDF)	61	17	78
4	Non-PG Senior Residents	07	06	13
	TOTAL	113	98	211

Non-Faculty - Regular

S.No.	Cadre	Male	Female	Total
1	Officer Cadre	20	14	34
2	Ministerial Staff	30	09	39
3	Paramedical Staff	68	50	118
4	Nursing Staff	01	118	119
5	University Staff	06	24	30
	TOTAL	125	215	340

Non Faculty - Adhoc

S.No.	Cadre	Male	Female	Total
1	Staff Nurse	0	63	63
2	Teaching Assistant	0	02	02
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	02	0	02
11	Medical Physicist	03	0	03
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	Chartered Accountant (Inter) professional	0	01	01
	TOTAL	11	74	85

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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 were joined on adhoc/tenure basis during the year 2020

Faculty:

Sl.No.	Name of the Faculty	Designation	Department
1	Dr. V. Krishnamurthy	Professor (Visiting)	Ophthalmology
2	Dr. M. Brahmeswara Rao	Associate Professor	Surgical G.E
3	Dr. T.Bhargavi	Assistant Professor	Anaesthesiology
4	Dr. K. Jasmitha	Assistant Professor	Anaesthesiology
5	Dr. P. Subramanyam	Assistant Professor	Emergency Medicine
6	Dr. G.S. Niveditha	Assistant Professor	Nephrology
7	Dr. K.R. Ganesh Kumar	Assistant Professor	OBG
8	Dr.K.Vamsi Krishna Reddy	Assistant Professor	Paediatrics
9	Dr. B.Shanmugam	Assistant Professor	Paediatrics
10	Dr. M. Alekhya	Assistant Professor	Pathology
11	Dr. C.H. Konda Reddy	Assistant Professor	Urology
12	Dr. B. Manoj	Assistant Professor	Urology
13	Dr. K.Mahendra Reddy	Assistant Professor	General Surgery
14	Dr. B.Raghuram	Assistant Professor /Resident Super Specialist	Cardiology
15	Dr. C.Nagaraja Reddy	Assistant Professor /Resident Super Specialist	Cardiology
16	Dr. M.Raja Naga Mahesh	Assistant Professor /Resident Super Specialist	Cardiology
17	Dr. V. Ravindra Dev	Assistant Professor /Resident Super Specialist	Cardiology
18	Dr.P.Avinash	Assistant Professor /Resident Super Specialist	Endocrinology
19	Dr.K. Naveen Kumar	Assistant Professor /Resident Super Specialist	Nephrology
20	Dr.M.Raja Amarendra	Assistant Professor /Resident Super Specialist	Nephrology
21	Dr.M. K.Usha Chowdary	Assistant Professor /Resident Super Specialist	Neurology
22	Dr. T. Kedhar	Assistant Professor /Resident Super Specialist	Neurology
23	Dr.Kunal Kumar	Assistant Professor /Resident Super Specialist	Neurosurgery
24	Dr. B. Nitin Manohar	Assistant Professor /Resident Super Specialist	Neurosurgery
25	Dr.T.Goutham Hanu	Assistant Professor /Resident Super Specialist	Neurosurgery
26	Dr. G.Sujani	Lecturer/ Resident super specialist	Anaesthesiology
27	Dr. V.Joshna	Lecturer/ Resident super specialist	Anaesthesiology
28	Dr. K. Gayathri Devi	Lecturer/ Resident super specialist	Anaesthesiology
29	Dr. R. Bhanuprakash	Lecturer/ Resident super specialist	Anaesthesiology
30	Dr. K.Yadhu Bhushanam	Lecturer/ Resident super specialist	Anaesthesiology
31	Dr. E.Mahesh	Lecturer/ Resident super specialist	Anaesthesiology

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Sl.No.	Name of the Faculty	Designation	Department
32	Dr. C.Sumadhu	Lecturer/ Resident super specialist	Anaesthesiology
33	Dr. T. Sowjanya Lakshmi	Lecturer/ Resident super specialist	Medicine
34	Dr. C.Rahul	Lecturer/ Resident super specialist	Medicine
35	Dr. V. Pradeep	Lecturer/ Resident super specialist	Medicine
36	Dr. T. Neeharika	Lecturer/ Resident super specialist	Medicine
37	Dr. G. Harshavardhan Reddy	Lecturer/ Resident super specialist	Medicine
38	Dr. R. Suryudu	Lecturer/ Resident super specialist	Medicine
39	Dr. V.Devika Reddy	Lecturer/ Resident super specialist	Medicine
40	Dr. M.Krishna Kumar Mala	Lecturer/ Resident super specialist	Medicine
41	Dr. Keerthi Thejmitta	Lecturer/ Resident super specialist	Bio-Chemistry
42	Dr. Vangara Harika	Lecturer/ Resident super specialist	Microbiology
43	Dr. K B Sricharan	Lecturer/ Resident super specialist	Nuclear Medicine
44	Dr. Burada Soumia	Lecturer/ Resident super specialist	Pathology
45	Dr. Krishna Chaithanya E	Lecturer/ Resident super specialist	Pathology
46	Dr. Satyanarayana Goud V	Lecturer/ Resident super specialist	Radiology
47	Dr. N Sivasahas Reddy	Lecturer/ Resident super specialist	Radiology
48	Dr. Settem Theja	Lecturer/ Resident super specialist	Radiology
49	Dr. Sake Vinod Kumar	Lecturer/ Resident super specialist	Radiology
50	Dr. Chandana Bimineni	Lecturer/ Resident super specialist	Radiology
51	Dr. Deepthi G V	Lecturer/ Resident super specialist	Radiotherapy
52	Dr. Chevireddy Praneetha	Lecturer/ Resident super specialist	Radiotherapy

Faculty (Medical) on Regular basis:

S.No.	Name of the candidate	Department	Designation
1.	Dr.R.Nandhagopal	Professor	Neurology

Non – Faculty on Regular basis (Compassionate):

S.No.	Name of the candidate	Department	Designation
1.	B.Balappa	Accounts	Junior Assistant

Non Faculty:

Sl.No.	Name of the Faculty	Designation	Department
1.	E.L.Samundeshwari	Teaching Assistant	Biotechnology
2.	A.Praveen kumar	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 71st Republic Day celebrations held on 26.01.2020, the following employees who were outstanding awarded with meritorious certificates.

Meritorious certificates to Regular & Adhoc Staff:

S.No.	Name of the Employee	Designation	Department
1	C.H.Veena	Anaesthesia Technician	Anaesthesiology
2	M.K.Lalitha Kumari	Tutor	Anatomy
3	G.Dargaiah	Assistant Director	Accounts
4	P.Shiva Rajani	Teaching Assistant	Bioinformatics
5	M.Lakshmi Prasanna	ECG Technician Gr-II	Cardiology
6	G.Vasanth Kumari	Staff Nurse	C.T. Surgery
7	N.Kavitha	Tutor	College of Physiotherapy
8	D.Madhavi	Superintendent	Controller of Examinations
9	Reddy Nagamani	Staff Nurse	Emergency Medicine
10	K.Vijaya Kumari	Staff Nurse	Medical Oncology
11	J.Manjula Devi	ANM	Neurology
12	R.Naveen	Radiographer	Radiology
13	K.Ramesh Kumar	R.O. Technologist Gr-II	Radiotherapy
14	P.Yasodhar	Lab Technician Gr-I	Microbiology
15	M.U.Shareef	Dy. EE-TTD	Civil Engineering-TTD
16	M.Madhavi	Staff Nurse	Surgical Oncology

Apart from the regular staff, the outsourcing staff – 47 Nos. 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 2020, the following staff were promoted

Sri Venkateswara Institute of Medical Sciences

Faculty Staff (Medical)

S.No.	Name of the Employee	Promoted as	Department
1	Dr.K.Munuswamy	Chief Medical Officer (SAG)	Casualty
2	M.Bharathi	Chief Medical Officer (SAG)	Casualty
3	Dr.Joshua E Paul	Chief Medical Officer	Casualty
4	Dr.K.Jagadeesh	Chief Medical Officer	Casualty
5	Dr.K.Lokeswar Reddy	Chief Medical Officer	Dr.YSR Aarogyasri
6	Dr.R.D.Nagaraj	Chief Medical Officer (Dialysis)	Nephrology
7	Dr.Vinod Bhan	Professor	CT Surgery
8	Dr.C.V.Praveen Kumar Reddy	Professor	Plastic Surgery
9	Dr.K.Sirisha	Associate Professor	Rheumatology
10	Dr.V.Niranjan	Associate Professor	Neurosurgery
11	Dr.N.Rukmangadha	Professor	Pathology
12	Dr.M.M.Suchitra	Professor	Biochemistry
13	Dr.C.Sreekanth	Professor	Anatomy
14	Dr.A.Krishna Simha Reddy	Professor	Emergency Medicine
15	Dr.B.V.Subramanian	Professor	Radiotherapy
16	Dr.S.Sarala	Professor	Radio Diagnosis
17	Dr.D.S.Madhu Babu	Professor	Dentistry
18	Dr.K.K.Sharma	Professor	Microbiology
19	Dr.Anju Damu Ade	Professor	Community Medicine
20	Dr.P.Janaki Subhadra	Professor	Anaesthesiology
21	Dr.N.Hemanth	Professor	Anaesthesiology
22	Dr.D.T.Katyarmal	Professor	Medicine
23	Dr.K.R.Subash	Professor	Pharmacology
24	Dr.C.Chandrasekhar	Professor	Haematology
25	Dr.A.Surekha	Associate Professor	DVL
26	Dr.B.Sreenivasa Rao	Associate Professor	Radiotherapy
27	Dr.K.V.Koti Reddy	Associate Professor	Hospital Administration
28	Dr.Alladi Mohan	Professor (Sr.Grade)	Medicine
29	Dr.B.Siddhartha Kumar	Professor (Sr.Grade)	Medicine

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Non-Faculty (Medical) – CAS (Career Advance Scheme) Promotion

S. No.	Name of the Employee	Designation	Department / College	Academic Grade Pay From	To
01	Dr A.UmaMaheswari	Professor	Bioinformatics	Stage-IV	Stage-V
02	Dr P.V.G.K. Sharma	Associate Professor	Biotechnology	Stage-III	Stage-IV
03	Sri A.Viswanatha Reddy	Associate Professor	College of Physiotherapy	Stage-III	Stage-IV
04	Dr.V.Srikumari	Associate Professor	College of Physiotherapy	Stage-III	Stage-IV
05	Dr.C.Santhi	Assistant Professor	College of Physiotherapy	Stage-II	Stage-III
06	Dr.C.UshaKiran	Associate Professor	College of Nursing	Stage-III	Stage-IV
07	Dr M.Sreelatha	Associate Professor	College of Nursing	Stage-III	Stage-IV
08	Dr S.Hemalatha	Assistant Professor	College of Nursing	Stage-II	Stage-III

Non Faculty Staff

S.No	Name of the Employee	Promoted as	Department
1.	M.Prasanna Lakshmi	Deputy Director	General Maintenance
2.	A.Omkarmurty	Librarian	Central Library

Para Medical Staff

S.No	Name of the Employee	Promoted as	Department
1.	K.Giri Babu	Assistant Medical Records officer	Medical Records
2.	R.Sandeep kumar	Assistant Medical Records officer	Medical Records

Employees Superannuated during the year 2020

Sri A.Baji Rao, Gas Room Operator Gr-I:

Sri A.Baji Rao was initially appointed as Gas Room Operator on 20.02.1993, subsequently promoted as Gas Room Operator Gr-I on 01.08.2009. He served the Institute for 27 years i.e., w.e.f. 20.02.1993 to 31.01.2020. He retired on 31.01.2020, on attaining the age of 60 years.

Smt. M.Vimala, ANM::

Smt. M.Vimala was appointed as ANM on 01.07.1996. She served the institute for 24 years i.e., w.e.f 01.07.1996 to 31.05.2020. She retired on 31.05.2020, on attaining the age of 60 years.

Dr. P.V.L.N.Srinivasa Rao, Sr. Professoor:

Dr P.V.L.N. Srinivasa Rao was initially appointed as Assistant Professor on 30.09.1992, subsequently promoted as Associate Professor, Additional Professor, Professor and Senior Professor. He also served as Dean. He served the

Institute for 28 years i.e., w.e.f. 30.09.1992 to 30.06.2020. He retired on 30.06.2020, on attaining the age of 63 years.

Dr. Y.Venkatarama Reddy, Deputy Director:

Dr. Y.Venkatarama Reddy was initially appointed as Public Relations Officer on 01.04.1993, subsequently promoted as Assistant Director and Deputy Director. He served the Institute for 27 years i.e., w.e.f. 01.04.1993 to 30.06.2020. He retired on 30.06.2020, on attaining the age of 60 years.

DrM.Hanumantha Rao, Sr. Professoor:

Dr M.Hanumantha Rao was initially appointed as Assistant Professor on 23.04.1993, subsequently promoted as Associate Professor, Additional Professor, Professor and Senior Professor. He also served as Principal-SPMC(W) & Dean. He served the Institute for 27 years i.e., w.e.f. 23.04.1993 to 31.12.2020. He retired on 31.12.2020, on attaining the age of 63 years.

On the day of retirement, all the retirement benefits were given to the above employees.



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



VI. FINANCE & ACCOUNTS (2019-20)



VI. Finance & Accounts (2019-20)

1.0 Institute Finance

All the bills for payment submitted by different departments are verified in the Accounts Section & cheques 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 31.03.2020

Liabilities	Amount as on 31.03.2020 (Rs.)	Assets	Amount as on 31.03.2020 (Rs.)
Capital Fund	5,22,84,99,300	Fixed Assets	2,37,53,22,552
Current Liabilities	73,72,43,775	Investments	2,14,18,12,403
Research Projects	3,77,61,397	Endowment Deposits	1,58,29,459
EMD and Other Deposits	16,35,89,726	Provident Fund Deposits	5,55,26,317
Fellowship	12,22,342	Research Fund Deposits	2,00,77,36,993
Advances Payable	13,25,88,212	Corpus Fund Deposits	5,45,45,830
University Deposits	1,50,06,397	SBAVP Deposits with TTD	64,78,060
Creditors Outstanding	25,32,22,482	Silver Jubilee Arch Deposit	16,95,744
Outstanding Payments	10,88,45,735	Current Assets	1,44,86,08,120
Scholarship	91,82,778	Closing Stock	8,97,51,332
Pay & Allowances Recoveries	1,58,24,706	Deposits (Assets)	15,30,90,550
		Loans & Advances	1,40,81,834
		Sundry Debtors	61,71,57,384
		Bank Accounts	26,03,62,343
		Income Outstanding	9,72,30,607
		TDRs (SBAVP Receivable)	33,71,667
		Cash in Hand	2,77,525
		TDS Receivable	20,64,71,984
		TDS Receivable R&D	68,12,894
Total	5,96,57,43,075	Total	5,96,57,43,075

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3.0 Concessions given to the patients for the period 01.04.2019 to 31.03.2020

S.No.	Month & Year	Amount Rs.
1	April, 19	2,56,81,518
2	May, 19	2,35,41,225
3	June, 19	3,28,19,819
4	July, 19	2,93,67,120
5	August, 19	3,50,12,274
6	September, 19	3,51,55,017
7	October, 19	4,21,34,935
8	November, 19	4,03,06,686
9	December, 19	4,88,05,394
10	January, 20	4,55,77,525
11	February, 20	4,64,26,934
12	March, 20	13,95,88,813
	Total	54,44,17,260

4.0 Donations received for the period from 01.04.2019 to 31.03.2020

S.No.	Donations	Amount in Rs.
1.	General Donations	8,10,314/-
2.	Research Chair Donations	16,61,027/-
3.	Research & Development Donations	50,62,55,317/-

Sri Venkateswara Institute of Medical Sciences established under the aegis of Tirumala Tirupati Devasthanams receives donations from philanthropists through Sri Balaji AarogyaVara 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.

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 & 100% on business income.

Sri Venkateswara Institute of Medical Sciences

The institute has received donations for Rs.50,62,55,317/- under Sri Balaji Aarogya Vara Prasadini Scheme during the financial year 2019-20. The list of donors who donated Rs.5.00 lakhs and above are as detailed below:

S.No	DONOR DETAILS	AMOUNT (RS.)
1	M/s.R.S.Brother Retail India Private Limited, Hyderabad - 500018.	20000000
2	Sri.Bokaro Sudhakar Reddy, Hyderabad - 500 096.	11111111
3	M/s. Reliance Industries Ltd., Mumbai-400 701.	10314285
4	M/s. B G LIIN Electricals Ltd., Aurangabad, Maharashtra - 431 136	10000000
5	M/s. JCG technologies Inc., gudlavalleru, AP-521 356.	10000000
6	M/s.O.G.Variar and Sons Variar Bakery, Bangalore - 560 010.	10000000
7	Sree Venkateswara Swamy Temple Trust, Massachusetts, United States - 01772.	10000000
8	Sri.Mohan Kumar Kormangala Prabhakara, Bangalore - 560 034.	10000000
9	Sri.Prashanth Narayan G, Bengalur.	10000000
10	M/s.Jayakrishna Flour Mills P. Ltd., Thirumangalam - 625 706.	10000000
11	M/s.Arunachala Logistics (P) Ltd., Hyderabad - 500 082	10000000
12	M/s.Autotech Industries India Pvt. Ltd., Chennai - 600 058.	7000000
13	M/s. Chromachemie Laboratory Pvt. Ltd., Bangalore-560058.	6036000
14	M/s. Venkatrama Chemicals, Hyderabad - 500 032.	5000000
15	M/s.Honer Developers Private Ltd., Hyderabad - 500 081.	4000000
16	M/s. Shivam CondevPvt. Ltd., Bhubaneswar-751 010.	3003000
17	M/s.RMKV Fashion Garments Pvt. Ltd., Chennai, Tamil Nadu - 600 017.	3000000
18	Smt. Rakesh Sahni, Delhi-110054.	2600000
19	M/s.Ganesh Grains Limited, West Bengal.	2500000
20	Sri Prakash Bharati, Bangalore-560041.	2200000
21	M/s. Tirubala International Pvt. Ltd., Kanpur-208 022.	2100000
22	M/s.CEC Flavours and Fragrances Pvt. Ltd, Tamil Nadu - 631 213.	2012232
23	M/s.Sai Surya Associates Pvt. Ltd., Chennai - 600 079.	2002000
24	M/S. Homeocare International Pvt. Ltd., Secunderabad-500015.	2000000
25	M/s.Topsel Private Ltd., Kolkata - 700 013.	2000000
26	M/s. Liya Infratech Pvt. Ltd., Bangalore.	2000000
27	M/s. Jupiter Dyechem Pvt. Ltd., Mumbai-400021.	2000000
28	M/s.Ramco Industries Ltd., Chennai - 600 004.	1600000
29	M/s.Welcome Distelleres Pvt. Ltd., Varanasi, U.P. - 221002.	1500000
30	Sri Dr.K.Venkatesan, Chennai - 600 018.	1500000
31	Sri.Ram Manohar Singh, Mumbai - 400 014.	1500000
32	Sri Ravi Kumar, Chennai - 600 015.	1500000

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S.No	DONOR DETAILS	AMOUNT (RS.)
33	M/s.Eastern Cargo Carriers (I) Pvt. Ltd., Mumbai - 400 099.	1500000
34	Sri Govinda Rao Rajala, Mumbai - 400 101.	1350000
35	Deepak Seth, Meerut - 250 002.	1200000
36	M/s. Four - P International Pvt Ltd., Chennai - 600 108.	1150000
37	Sri Manimegalai Ramaswamy, Trichy - 620 012.	1111111
38	M/s.P.J.Reddy and Co., Bangalore - 560 078.	1100116
39	Sri. Somesh Shivraj Chounde, Mumbai - 400 097.	1100101
40	Mrs.Muppidi Padma Rekha, Kakinada - 533 003.	1100000
41	M/s. Triveni EngiconsPvt. Ltd., Engineers & contactors, Jameshedpur-831 001.	1100000
42	M/s. Ganesh Grains Limited, Kolkatta - 700 046.	1100000
43	Bishal International, Kolkata - 700 007.	1100000
44	M/s.TheSukhjit Starch and Chemicals Limited, Punjab - 144 401.	1100000
45	M/s.Gonnepharma, Gujarat - 380 015.	1100000
46	M/s.Amplified Performance Solutions LLP, Hyderabad-500015.	1100000
47	M/s. Sri Raghavendra Sales Corporation, Karnataka-584128.	1080000
48	M/s.Jai Santhoshi Mata Realtors, Hyderabad - 500 068.	1051000
49	Sri.Ram Potti, New York, United States - 11746..	1050000
50	Sri S.Nagoji Rao, Chennai-600 042.	1050000
51	Sri Venkata Mukkamala, NJ, US-08536.	1050000
52	M/s. Kumaran Chain Shop, Coimbatore-641001.	1027000
53	M/S. GMK Research Laboratories Pvt. Ltd., Secunderabad-500010.	1017001
54	Sri MuraliRao, Hyderabad-500073.	1011116
55	Mr. Dhanush Subramani, Bangalore - 560064.	1011111
56	M/s. Animesh Silk Mills Pvt. Ltd., Surat - 395 002.	1011111
57	M/s.SVISS Labss Ltd., Tamil Nadu - 632 403.	1011111
58	M/s. Narayana Agro oils Pvt. Ltd., Udgir, Maharashtra-413517.	1011000
59	M/s.Jai Santoshmata Realtors, Hyderabad.	1011000
60	Mylavarapu Venkata Subbarao, Hyderabad - 47.	1010101
61	M/s.Sanrad International ,Mumbai - 400 049.	1010101
62	Sri Dr.M.Balamurugan, Chennai - 600 024.	1010001
63	Sri. Dr. Ranjeet Chidgupkar, Maharashtra-416410.	1010000
64	M/s.V.B. Jewellery, Coimbatore - 641 001.	1010000
65	M/s.Venkateswara Associates Tamil Nadu - 638 103.	1008000

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S.No	DONOR DETAILS	AMOUNT (RS.)
66	M/s.Sri Sai Krishna Traders, Bichkunda, Telangana - 503 306.	1008000
67	Sri Giridhar R Maheswari, Andheri - East, Mumbai - 400 059.	1005000
68	M/s. Sai Varshith Constructions, Hyderabad - 500 036.	1005000
69	M/s.Deccan Group, Bangalore - 560 022.	1002000
70	M/s. Mandir Associates, Secunderabad - 500003.	1001520
71	Miss. SreeDivya, Venkatakrupa, Hyderabad - 500 076.	1001116
72	Sri Srinivas Bommadevara, Hyderabad-500 044.	1001116
73	M/s. Siri Associates, Hyderabad-500 049.	1001116
74	Sri Vijay Neelam, New Jersey, US-08820.	1001116
75	M/s.SriLaxmi Venkateswara Stores, Hyderabad - 500 018.	1001116
76	Sri Krishnaswamy Culli, Flat No.: 9127, Chennai - 600 116.	1001116
77	Sri Raghavendra Setty Narahari, Kurnool-518002.	1001116
78	Sri Mohan Babu Narahari, AP-518004.	1001116
79	M/s. Sri Balaji Medical and General Store, Kurnool, A.P.- 518 360.	1001116
80	M/s.Sais IT Services India Pvt. Ltd., Hyderabad - 500 081.	1001116
81	Sri Aditya Srinivas Saraswatula, Samalkot, A.P. - 533 440.	1001116
82	M/s. Venkatesh & Bhaskar Associates, Bangalore-560027.	1001001
83	M/s.Muttill Plantation Ltd., Bengaluru - 560 094,	1001000
84	M/s. Disha Strategic Foundation, Adyar, Chennai - 600 020.	1001000
85	M/s. Sumanjali Jewellers, Coimbatore - 641 001.	1001000
86	M/s. Sabari Jewels and Bullion, Coimbatore-641001.	1001000
87	M/s. Value Data Technologies Pvt. Ltd., Mumbai- 400 071.	1001000
88	Sri B.J.Shrikar, Bangalore - 560 070.	1001000
89	Sri S.Selva Mithra Selva Ganesan, Coimbatore-641026.	1001000
90	Sri V.K. Parthiban, Tamil Nadu-637203.	1001000
91	M/s.Kannikaparneswari Agro Chemicals, Karnataka - 580 029.	1001000
92	M/s. Ambica Steels Ltd., New Delhi - 110 052.	1001000
93	M/s. Narayana Agro Oils Pvt. Ltd., Maharashtra-413517.	1001000
94	M/s. Selva Vinayakar, Coimbatore-641668.	1001000
95	Sri.Sankar Gudur, Bangalore - 560 036.	1000800
96	N.Vinaya Kumar Panigatti, Bangalore - 560 091.	1000500
97	Sri Venugopalaswamy Guntur-522001.	1000126
98	M/s.A S Steel Traders, Visakhapatnam - 530 003.	1000116

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S.No	DONOR DETAILS	AMOUNT (RS.)
99	M/s. Sri Vijaya Lakshmi Steel Traders, Anakapalli-531 001.	1000116
100	M/s.Nety Rama Murthy, Maharashtra - 400 610.	1000116
101	Sri Yadalla Suhith, Bangalore-560098.	1000116
102	M/s.Balaji Rice Industries, Janapadu, A.P. - 522 413.	1000116
103	M/s. Liya InfratechPvt. Ltd., Bangalore-560053	1000116
104	Smt. Radhika Gupta Sathavelli, Hyderabad-500085.	1000116
105	Miss. Konda Sravika, D/o. KondaVenugopala Reddy, Vijayawada-520010.	1000116
106	M/s. Sri Venkateswara Cashew Chikky Manufacturers, Prakasam Dist.	1000116
107	M/s. Balaji Medicals and General, Hyderabad - 500 082.	1000116
108	M/s.SLV Steels and Alloys Pvt. Ltd., Ballari, - 583 103.	1000116
109	Sri Kutumbaka SuryaVamshi, Rangareddi, A.P. - 500 035.	1000116
110	M/s.GadamsettySankar Security Agency, Secunderabad - 500 015.	1000116
111	Sri RachurVenkataKiran, Bengaluru - 560 076.	1000116
112	M/s. Sri Surya Industries, Kurnool-518003.	1000116
113	Sri Gopi Bhoopal, Chennai-600082.	1000102
114	Sri.Chitta Siva Kuma, S/o.C.VenkateswaraRao, Tirupati -517 501.	1000101
115	Sri Srinivas HA, Bangalore-560072.	1000101
116	M/s.Anu Polymers, Bengaluru - 560 010.	1000101
117	Sharad Bairathi, Bangalore - 560 035.	1000100
118	Sri Mithilesh Dharnish, Bangalore - 560 071.	1000100
119	Smt. Mamata L Shenoy, Secunderabad-500026.	1000100
120	Sri Sharad Bairathi, Bangalore-560035.	1000100
121	M/s. Khushi Advertising Ideas Pvt. Ltd., Gujarat - 380 024.	1000021
122	M/s. Kala Hospitals (P) Ltd., Visakhapatnam-530 116.	1000016
123	M/s. Elixir Extracts Private Limited,Karnataka - 686 669.	1000015
124	Sri D. Venkata Satya Rambabu, Bhimavaram-2.	1000011
125	Sri Naveen Seetharama, Bangalore-560075.	1000009
126	Sri Dhulipalla Chusrith Sri Siddik, Dhulipalla Anjaiah Nilayam, Tenali-522 001.	1000008
127	M/s.KRS Pharmaceuticals Private Limited, Hyderabad - 500 037.	1000008
128	Sri Sai Karthik O N, , Bangalore - 560 004.	1000008
129	M/s. S2tech.com India Private Limited, Hyderabad - 500 081.	1000001
130	M/s. Kesari ConsoltantsPvt. Ltd., Hyderabad-500 013.	1000001
131	Sri Vasudev Karteek Akkur, Austin Tx 78728.	1000001

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S.No	DONOR DETAILS	AMOUNT (RS.)
132	Manju Gupta, Mumbai - 400 006.	1000001
133	Sri P. Srinivasa Reddy, Jharkhand-831001.	1000001
134	M/s. Kirthi Paladugu, Hyderabad-500049.	1000001
135	M/s. Opal Juwells, Coimbatore-641001.	1000001
136	M/s. Madhav Traders, Nagpur-440 010.	1000000
137	Sri. G. Srishailam Goud, Hyderabad - 500 050.	1000000
138	M/s. Sri Venkatrama Jewellers, Khammam - 507 003.	1000000
139	M/s. AGMA Polymers Private Limited, Delhi - 110 088.	1000000
140	M/s. Merit Retail Pvt. Ltd., Karimnagar - 505 001.	1000000
141	M/s.Vibes Healthcare Limited, Delhi - 110 016.	1000000
142	M/s. Aroon, The Raymond Shop, Guntur, - 522002	1000000
143	Sri. Dubagunta VSSSM Abhiram, Hyderabad - 500 087.	1000000
144	M/s.Evya Hospitals & Diabetic Centre, Hyderabad - 500 068.	1000000
145	Sri.Kurapati D V N B Arun Kumar, Guntur - 522 413.	1000000
146	M/s.O.G.Variar and Sons Variar Bakery, Bangalore - 560 010.	1000000
147	M/s.Ashwin Precision Products Pvt Ltd., Bangalore - 560 058.	1000000
148	M/s. Industrial Packing Products, Mumbai-400002.	1000000
149	Sri Sujay Rao, Bangalore-560 079.	1000000
150	M/s. Shree Balaji Tirupati constructions, Madhya Pradesh-465 441.	1000000
151	M/s. Bonthala Ravish Jewellers, Madanapalli-517325.	1000000
152	M/s. Med Manor Organics Pvt. Ltd., Hyderabad - 500 036.	1000000
153	M/s.Varsha Road Carriers, Bangalore - 560 004.	1000000
154	M/s.V.S.K. Satyanarayana, Proddatur - 516 360.	1000000
155	M/s. Ascom Infotech Pvt. Ltd., Mumbai - 400 004	1000000
156	Swarna Vijaya Rami Reddy, Hyderabad - 500 049	1000000
157	Sri Gopinath Uppara, Yemmiganur, AP-518360.	1000000
158	M/s.Komarla Hatcheries, Bangalore - 560 041.	1000000
159	M/s.Lakshmi Srinivasa Traders, Prop. K.Srinivasa Reddy, Tenali, A.P. - 522 201.	1000000
160	M/s. Sri Chakra Constructions, Hyderabad - 500 073.	1000000
161	M/s. G N Car Care, Visakhapatnam - 530 017.	1000000
162	Sri T T Srinivasa Raghavan, Chennai - 600 086.	1000000
163	M/s. Homeocare International Pvt. Ltd., Secunderabad-500015.	1000000
164	Sri Rajendra Shankarrao Naidu, Nagpur-440025.	1000000

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S.No	DONOR DETAILS	AMOUNT (RS.)
165	Sri Mayan Keenan Reddy, Villupuram, Tamil Nadu-605 101.	1000000
166	Sri Turupu Raji Reddy, Rangareddi-500 086.	1000000
167	Smt. Sridevi Guttula, Kakinada-533 003.	1000000
168	Sri Shamanth , Bangalore-560 070.	1000000
169	Sri Sriram Interiors, Hyderabad - 500076.	1000000
170	M/s. Sirisha Enterprises, Bangalore-560 085.	1000000
171	M/s. Lakshmi Venkateswar Dal Industries, Guntur-522 647.	1000000
172	M/s.U.D.Mototech (P) Ltd., New Delhi.	1000000
173	J Rohit Ram, Advocate, Hyderabad - 500 059.	1000000
174	M/s. Premier Office Equipment Co, Trivandrum - 695 001.	1000000
175	M/s. Radiant Global Solutions, , Mysore - 570 017.	1000000
176	Dr. C.S.Vikash, Bangalore - 560 004.	1000000
177	M/s. Camber Pharmaceutical Inc., New Jersey, United States - 08854.	1000000
178	M/s. Bandis Investments Private Ltd., New Jersey, United States - 08854.	1000000
179	M/s. Sowpharma, Hyderabad-500 032.	1000000
180	M/s. T P S Wind Farm Pvt. Ltd., Salem, Tamil Nadu-636 305.	1000000
181	M/s. Mani Agro Chem Pvt. Ltd., Salem, Tamil Nadu-636 201.	1000000
182	M/s.Express Dealers Private Ltd., Vizianagaram,	1000000
183	M.Naveen Kumar, Kurnool Dist. - 518 501..	1000000
184	Sri Vonamala Jagadishnaraiah, Secunderabad - 500 026.	1000000
185	M/s.Hindustan Enterprises, Vishakapatnam.	1000000
186	M/s.Western India Erectors LLP, Mumbai - 400 002.	1000000
187	Poorna Kakaraparthi, Vasavi Enclave Martur, A.P. - 523 301.	1000000
188	M/s. Srivari Hi-Tech Industries Limited, Hosur - 635 126	1000000
189	M/s.Jai Jawan Cold Storage, Hyderabad - 500 034.	1000000
190	M/s. Adams Technologies Pvt. Ltd., Chennai-600034.	1000000
191	M/s. Vaibhav Jewellers, Bangalore - 560 002.	1000000
192	Sri V. Balaji, Kolliganahalli, North Bangalore - 562 162.	1000000
193	Sri Anirudh Ganediwal, Madhya Pradesh - 452 001.	1000000
194	Sri Yashwardhan Ganediwal, Madhya Pradesh - 452 001.	1000000
195	Sri Kausthuban Raghunandan, Bangalore - 560078.	1000000
196	M/s. Kolors Healthcare India Pvt. Ltd., Secunderabad-500 015	1000000
197	Sri Jose Charles Martin, Coimbatore - 641 029.	1000000

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S.No	DONOR DETAILS	AMOUNT (RS.)
198	M/s. Shakti International Pvt. Ltd., Mumbai - 400 076.	1000000
199	Sri S. Jayarama Chandran, Salem-636007.	1000000
200	M/s. Sravya Medical, Telangana - 508 213.	1000000
201	Sri K. V. Mallikarjuna Rao, Hyderabad-500 079.	1000000
202	M/s. Benaka Inc., New Jersey - 08901.	1000000
203	M/s. Balajee Marketing, Ghaziabad, UP-201001.	1000000
204	M/s. Sri Devi Associates India Pvt. Ltd, Hyderabad-500020.	1000000
205	Sri Kshetra Garu, Hyderabad, Telangana - 500 013.	1000000
206	M/s. Pacific Therapeutics Pvt. Ltd., Kurnool-518004.	1000000
207	Sri Ashish Palod, Kolata-700105.	1000000
208	Sri Rupena A Sheth, Mumbai - 400 004.	1000000
209	Sri K.V.S. Chaitanya, Hyderabad - 500 072.	1000000
210	Sri Radha Krishna Murthy, west, Mumbai-400022.	1000000
211	Sri Dr. K.B.Suresh, Bengaluru-560 071.	1000000
212	Sri Likith Sai. Bangalore-560079.	1000000
213	Sri Saravanam Umapathy and U. Surendhar, Chennai - 600127.	1000000
214	M/s. Krisow Performance Fluids INC, Hyderabad - 500 032.	1000000
215	M/s.Padma Industries, A.P. - 533 435.	1000000
216	M/s.Vital Laboratories Pvt. Ltd., Mumbai - 400 057.	1000000
217	M/s.Suryaoday Spinning Mills Pvt. Ltd., Secunderabad - 500 003.	1000000
218	M/s. Ultramarine & Pigments Ltd., Chennai-600053.	1000000
219	Sri G. Balachandra Reddy and Smt. G.Jayasree, Hyderabad-500013.	1000000
220	Sri D. R. Varanasi Madhusudhana Rao and Srikar Varanasi, Hyderabad-500072.	1000000
221	M/s.Surya Kiran Griha Nirman Pvt. Ltd., Bengaluru - 560 004.	1000000
222	Sri Chennapragada Dharmavathi Aparna, Hyderabad-500020.	1000000
223	M/s. Shayona Corporation, Maharashtra- 400 610.	1000000
224	M/s. L.R.Swami (H.U.F.), Chennai - 600 018.	1000000
225	M/s.Venkateshwara Poultry, Medak, Telangana - 502 101.	1000000
226	M/s.Trupti Caterers Private Ltd., Mumbai - 400 057.	1000000
227	M/s. Emkay Enterprises, Visakhapatnam - 530 020.	1000000
228	Sri Ankita Morlawar, Hyderabad-500015.	1000000
229	M/s. Anita Bindlish, New Delhi-500061.	1000000
230	M/s. Ajay Bindlish, New Delhi-500061.	1000000

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S.No	DONOR DETAILS	AMOUNT (RS.)
231	M/s. Ramanjaneya , Davanagere-577002	1000000
232	M/s. Sri SathiyararayanaReadymades, Tamilnadu-635701.	1000000
233	Sri Venkata Ramesh BabuDodda, Bangalore North-560016.	1000000
234	M/sVenugopal Gold Palace, Kollegal-571440.	1000000
235	M/s. Technics Industries, Chennai-600017.	1000000
236	M/s. Suryakiran Griha Nirman Pvt. Ltd., Bangalore - 560 004.	1000000
237	M/s.Mohan Power Infrastructure Private Limited, Tirunelveli, Tamil Nadu - 627 001.	1000000
238	M/s.Astute Advisors Pvt. Ltd., Mumbai - 400 001.	1000000
239	Sri. K.S.Ravi Kumar, Chennai - 15. Mobile No.: 94443 64455.	1000000
240	M/S. SreeMalathi Chit Fund Pvt. Ltd., Theni, TN-625531.	1000000
241	Sri.R.Siva Kumar, Chennai - 600 044.	1000000
242	M/s.Neha Business and Investment Pvt. Ltd., Mumbai - 400 018.	1000000
243	M/s.Yash Design, Bangalore - 560 102.	1000000
244	M/s. Eco Consultants, Bangalore - 560 043.	1000000
245	M/s. Percare Industries, Vadodara-390 010..	900000
246	Sri Sreenivas Reddy, Hyderabad- 500076	900000
247	Senthilkumar Parthasarathy, Coimbatore, Tamil Nadu - 641 035.	550000
248	Sri B. Parameswaran, TN-637408.	520000
249	Sri Vijay Maheshwari, Kolkata - 700001.	511000
250	Smt. Dr. Vaishali Ranjeet Chidgupkar, Maharashtra-416410.	505000
251	M/s. Vijetha Super Markets Pvt.Ltd.,Hyderabad - 500050.	504000
252	Mr.V.Ramesh, Karnataka - 560054.	501000
253	Sri H Venkata Ganesh, Chennai-600083.	501000
254	Sri.GundaSrinivasulu, Secunderabad - 500 011.	500111
255	M/s. Akhand Constructions, Vadodara, Gujarat-390023.	500051
256	Sri Srinivas Reddy Chittireddy, Secunderabad-500 011.	500016
257	Smt. UmadeviVasanthavada, Hyderabad-500027.	500005
258	M/s.Better Communications Pvt. Ltd., Mumbai - 400 030.	500001
259	Sri Sridhar Uppada, Bangalore - 560 103.	500001
260	Selvi S Sarada Devi and Sri S.V.Ramamurthi, Chennai - 600 118.	500000
261	Anand Subrahmaniyam, Chennai - 600 035.	500000
262	Sri Raghavendra Rengasamy, Bangalore-560046.	500000
263	K.Vishwanath, Kuntavalli, Nelige (Post), Shimoga, Karnataka - 517 415.	500000

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S.No	DONOR DETAILS	AMOUNT (RS.)
264	M/s.International Institute of Management Studies, Pune - 411 036.	500000
265	M/s. Percare Industries, Gujarat - 390 010..	500000
266	Sri S. Venkatesan, Tamil Nadu-635104.	500000
267	M/S. ECO Team Technologies, Bangalore - 560097.	500000
268	M/s.Royal India Texcel Pvt. Ltd., Chennai - 600 017.	500000
269	M/s.Seven Hills Constructions, Bengaluru - 16.	500000
270	Chellam Bala Subramanian, Canada - L6V4T6.	500000
271	Prof.R.Parvatham,Chennai - 600 119.	500000
272	Sri Madhu Agarwal, Delhi-110029.	500000

5.0 Funds received from Tirumala Tirupati Devasthanams during the year 2019-20

S.No.	Grant Details	Amount (in Rs.)
1	Revenue Grant	36,00,00,000
2	Reimbursement of Pranadana Expenditure	11,93,64,703
3	Reimbursement of treatment charges for TTD Employees/Pilgrims	11,84,19,203
4	Reimbursement of Blood Bank Screening Charges	88,61,075

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6.0 Treatment of Credit for the period 01.04.2019 to 31.03.2020:

The institute extended credit treatment to the extent of Rs.107.18 crores in respect of 27 credit organizations and the bills settled to the extent of Rs.81.54 crores including arrears, leaving a closing balance of Rs.61.55 crores during the Financial Year 2020. The details of the credit treatment is as detailed below for the period from 1.4.2019 to 31.03.2020.

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	189,403,061	684,728,285	874,131,346	391,592,431	482,538,915
i	Arogyasri IP Claims	146,086,967	630,886,672	776,973,639	361,671,576	415,302,063
ii	Arogyasri followups	15,333,472	8,898,011	24,231,483	3,093,579	21,137,904
iii	Arogya Raksha IP Claims	2,025,529	3,503,141	5,528,670	456,519	5,072,151
iv	EHS IP claims	25,868,463	41,400,817	67,269,280	26,338,996	40,930,284
v	Working journalist health scheme	88,630	39,644	128,274	31,761	96,513
2	TTD credit	18,970,662	158,805,898	177,776,560	158,120,678	19,655,882
i	Pilgrims	2,004,865	15,408,736	17,413,601	15,772,868	1,640,733
ii	TTD employees reimbursement	16,965,797	143,397,162	160,362,959	142,347,810	18,015,149
3	AB SPF	247,613	456,477	704,090	601,183	102,907
4	Airport Authority of India	39,740	101,836	141,576	92,568	49,008
5	APSPDCL	1,217,516	3,553,183	4,770,699	2,406,507	2,364,192
6	APSRTC	9,769,527	18,574,233	28,343,760	16,059,878	12,283,882
7	Arogya Bhadratha	6,154,222	10,046,379	16,200,601	10,871,716	5,328,885
8	Arogya Sahayatha	301,887	348,397	650,284	401,270	249,014
9	BIRRD Arogyasri	670,750	2,876,235	3,546,985	2,020,407	1,526,578
10	BIRRD blood bank charges	1,890,150	8,549,150	10,439,300	8,861,075	1,578,225
11	BSNL	4,237,955	9,854	4,247,809	1,033,751	3,214,058
12	CMRF	5,522,047	1,562,312	7,084,359	-	7,084,359
13	DRDA	182,151		182,151	-	182,151
14	Employees State Insurance(ESI)	76,090,740	38,953,106	115,043,846	78,794,355	36,249,491
15	Government Credit	4,366,954	639,250	5,006,204	453,366	4,552,838
16	IIT Tirupati	-	92,913	92,913	7,000	85,913
17	Individual Credit	1,310,934		1,310,934	-	1,310,934
18	LIC Credit	-	29,000	29,000	29,000	-
19	Other Credit	1,747,585	470,387	2,217,972	18,875	2,199,097
20	Pranadhanam	19,917,803	120,016,021	139,933,824	119,947,092	19,986,732
21	Railway Credit	16,024,145	19,021,425	35,045,570	22,338,775	12,706,795
22	RS Vidyapeetam	201,994	63,384	265,378	201,994	63,384
23	SHAR	48,633	14,674	63,307	53,252	10,055
24	State TB Control Society (RNTCP)		1,594,400	1,594,400	291,600	1,302,800
25	SVBC	172,528	1,293,304	1,465,832	1,303,011	162,821
26	SV University	7,322		7,322	-	7,322
27	TTD individual credit	739,357		739,357	-	739,357
	TOTAL	59,235,276	1,071,800,103	1,431,035,379	815,499,784	615,535,595



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 (Retd)
Dr P. Janaki Subhadra
Dr K. Vinay
Dr R. Sree Devi

Dr P. Hemalatha
Dr T. Bhargavi
Dr K.Jasmitha

Dr S. Shameem
Dr N. Hemanth
Dr M. Madhusudhan

Senior Residents

Dr G. Sujani
Dr V. Joshna
Dr K. Gayathri Devi

Dr R Bhanuprakash
Dr K.Yadhu Bhushanam
Dr M.Kiranmye

Dr E. Mahesh
Dr T. Kaarthika
Dr C. Sumadhu

Tutor cum PG (MD) Junior Residents

Dr Sharon Linnet
Dr B. Radhika
Dr B. Sahana
Dr P. Sameera Vani
Dr M.Venkata Srinivas
Dr M. Kishore
Dr K. Krishna Priya
Dr M.Harshavardhan

Dr Vijaya Gandipan A
Dr B. Jeevitha
Dr G. Sravani Malathi
Dr V. Ramesh
Dr A. Aparna
Dr R. Anila
Dr M. Brunda
Dr S. Manoj
Dr C.M. Ravi Kumar

Dr D.Madhuri
Dr Hajira
Dr P. Anupama
Dr N.Vasundhara
Dr V. Mounika
Dr C. Niveditha
Dr D. Priyanka
Dr B. Manju Sree
Dr G. Ranganath

1.1 Awards, achievements and felicitations

- 1 **P.Sameera Vani**, PG Resident has received **1st Prize** for poster presentation Anaesthetic Management of traumatic Diaphragmatic hernia. **ISA Karnataka Virtucon 2020 State Conference.**

1.2 Research projects

National

- 1 A PhD project completed by Dr G.Dharani Prasad under the guidance of Dr Alok Samantaray Prof & Head. 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.(Admission no: 16290068).

1.3 Research work

Thesis work

Thesis submitted

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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Krishna Priya** Effect of perioperative dextrose infusion on postoperative nausea and vomiting : A prospective, double blind randomized placebo controlled study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

3. **Radhika** Comparison of fractionated doses at two different intervals in spinal anaesthesia with hyperbaric ropivacaine in patients undergoing infra umbilical surgeries study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
4. **Sharon Linnet** Evaluation of quick sequential organ failure assessment (qSOFA) in predicting mortality in intensive care unit study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
8. **Sameera Vani P.** Role of APACHE II LODS and admission chest X-ray in predicting mortality in critically ill patients study (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
- in laparoscopic cholecystectomy: a prospective randomized double blind placebo controlled study (MD).
4. **Brunda M.** Attenuation of haemodynamic response to laryngoscopy and tracheal intubation. A comparison of effect of preoperative administration of intravenous paracetamol versus fentanyl – A double blind randomized control trial (MD).
5. **Balaraju Jeevitha A.** comparative study of the effect of Dexmedetomidine – Ketamine vs Fentanyl in patients undergoing elective open abdominal surgeries – A prospective randomized study (MD).
6. **Anila R.** effect of intravenous infusion of ascorbic acid on hyperbaric bupivacaine spinal block characteristics in infraumbilical surgeries: a prospective, randomized double blind, placebo controlled study (MD).
7. **Vagga Ramesh** Ration of height to sternomental distance for assessing difficulty laryngoscopy and tracheal intubation . A prospective, observational, comparative study (MD).
8. **Ravi Kumar C.M.** frailty as a predictor of morbidity and mortality in oral and abdominal oncosurgical patients undergoing surgery: A prospective observational study (MD).
9. **Vijaya Gandipan.A** Pain management in critically ill patients based on critical – care pain observation tool (CPOT) score: a prospective, randomized observational, double – blind and comparative study (MD).

Ongoing thesis work

1. **Manoj.S** Comparison of the efficacy of fentanyl and dexmedetomidine as adjuvants to intrathecal chloroprocaine for elective lower limb orthopaedic surgeries- a prospective, randomized, double blind study (MD).
2. **Sravani Malathi G.** Comparative evaluation of intrathecal dexmedetomidine vs fentanyl for prevention of post – spinal anaesthesia shivering in endoscopic urological surgeries – A prospective randomized double blind controlled study (MD).
3. **Dr Aparna A.** Effects of oral metoprolol and atenolol on analgesic and anaesthetic requirements

1.4 Conferences attended, lectures delivered

National

DrAlok Samantaray, attended the following

1. ISA WEBCON Annual state conference 2020 and delivered a guest lecture on “Considerations in paediatric day case surgery” at Kerala on 1st November 2020.
2. Delivered a guest lecture “Prudent Oxygen usage in COVID Hospitals” at Department of Health, Medical & Family Welfare, Govt.of AP on 8th September 2020.

1.5 Presentations by postgraduate students

Postgraduate students pursuing MD (Anaesthesiology) presented the following Posters & Papers at:

ISA Karnataka Virtucon 2020 State Conference- 2020 during 12-16 December 2020

1. **Krishna Priya.K.** Anaesthetic Management in Morbid obese patient posted for posterior mediastinal mass excision.
2. **Sharon linnet.** Retrograde nasal intubation for an anticipated difficult intubation.
3. **Kishore M.** A comparative study on fixed dose dexmedetomidine & propofol infusions on desflurane consumption during bis guided laparoscopic surgeries a randomized controlled study.
4. **Meda Venkata Srinivas.** Retrograde intubation for unique case of difficult airway. & Comparison of ease of intubation with McCoy laryngoscope & cmac videolaryngoscope in modified Mallampatti MMP grade III and grade IV patients.
5. **Sameera Vani P.** Anaesthetic Management of traumatic Diaphragmatic hernia. & Role of Apache II & admission chest X-ray in predicting
6. **Sahana.B.N.** Role of Anaesthetist in the Management of airway of a patient after corrosive ingestion.
7. **Radhika B.** Role of Anaesthesiologists in Management of an infant with hydrocephalus for shunt surgery.

ISA WEBCON Kerala State Conference- 2020 on 2nd November 2020

1. **Banoth Radhika.** Clipping of Giant Aneurysm Role of Anaesthesiologist
2. **Sharon Linnet.P.** Evaluation of quick sequential organ failure assessment score in predicting mortality in intensive care unit.
3. **Kishore M.** Anaesthetic management of a child with congenital heart disease dermatomyositis for non cardiac surgery.

4. **Sahana B.N.** To compare the efficacy of addition of dexmedetomidine or placebo to ropivacaine scalp block to attenuate the hemodynamic response to skull pin placement in neurosurgical procedures.
5. **Mummaka Harshavardhan.** Attenuation of Hypotension associated with induction dose of propofol a randomized controlled trial comparing vasopressor doses of phenylephrine and Mephentermine.

1.6 Publications

1. **Ujesh SN, Jayaprada R, Ramakrishna N, Sharma KK, Rao MH, Samantaray A, M. Madhusudhan,** A study of microbiological profile and its antimicrobial susceptibility patterns related to central line-associated bloodstream infections in respiratory intensive care unit in a tertiary care hospital. J Clin Sci Res 2020;9:25-30.
2. **Satri V, Kumar VS, Satyanarayana V, Ramakrishna BS, Srinivasa Rao PVLN, Madhusudan M.** Epidemiology and outcome of acute kidney injury in patients presenting to emergency department – Our experience. J Clin Sci Res 2020;9:77-81.
3. **Rao MH, Chaitanya J, Subhadra PJ.** Comparative evaluation of 2% lignocaine viscous gargling and intravenous lignocaine for insertion of laryngeal mask airway. J Clin Sci Res 2020;9:31-6.
4. **Lakshmi EA, Subhadra PJ.** Comparison of the efficacy of epidural nalbuphine versus dexmedetomidine on the characteristics of spinal anaesthesia in patients undergoing lower limb orthopaedic surgeries: A prospective randomised, double-blind, placebo-controlled study. J Clin Sci Res 2020;9:82-8.
5. **Sriranganath T, Radhapuram SD, Rao MH, Shameem S, Samantaray A, Dharaniprasad G.** Comparison of intravenous tramadol and intravenous ketamine for the prevention of post-anaesthetic shivering. J Clin Sci Res 2020;9:94-100.
6. **Solanki SL, Johnson J E, Samantaray A.** Supraglottic airway devices: Placement and pharyngeal seal matters!. Indian J Anaesth [serial online] 2020 [cited 2021 Jan 4];64:649-52.

- 7 **Sunil Nanjarapalle , Alok Samantaray , Sivakumar Vishnubhotla** Red Cell Distribution Width as a Severity Marker on the Outcome of Patients with Acute Kidney Injury on Renal Replacement Therapy. Indian J Crit Care Med. 2020 Feb;24(2):95-98.

1.7 CMEs/Seminars/Workshops/Orations conducted by the dept

- 1 **Dr M.Hanumantha Rao** organized “Balaji Anaesthesia Gold medal chair oration on 16/11/2020, as a part of World Anaesthesia day celebrations and felicitated DrAshok Shankarrao Badhe, M.D., Medical Superintendent, Professor, Dept.of Anaesthesia & Critical Care, JIPMER, Puducherry.

1.8 Other Professional Activities

SVIMS, American Heart Association Certified International Training Centre (SVIMS, AHA-ITC) and SVIMS Simulation System (S3).

The SVIMS-AHA-ITC trains participants in basic and advanced resuscitation skill whereas S3 basically aims at training the UG's and PG's using high fidelity simulation in basic medical procedures and scenario.

In the year 2020, SVIMS AHA ITC and S3 conducted training session for 52 BLS candidate, 17 ACLS candidate and three simulation training session on Sim-Man 3G, LLEAP and Sim Pad.

The SVIMS AHA ITC also conducted training for 134 learners for NON-AHA ACLS and 234 learners BLS as a capacity building measure. Five candidates were trained as BLS/A.

2.0 DEPARTMENT OF ANATOMY

Professor & HOD

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 Research projects

Ongoing Research projects

1. **Principal Investigator:** Dr Sreekanth C, **Title:** A study on Morphometry of pterion in adult dry human skull bones in Rayalaseema population, **Self funding.**
2. **Principal Investigator:** Dr Srivani D, **Title:** A study on Variations of profunda femoris artery. **Self funding.**

2.2 Dissertation work

Dissertation submitted

1. **Vinayaka Naik I & Prathiba K..** Basic course in Biomedical research cycle – 2 (Swayam NPTEL) (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Reema Rao W.R.** Morphology & Morphometry of Middle Cranial Fossa (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
3. **Vasundara B.** Morphology & Morphometry of superior surface of Tibia (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing Dissertation work

1. **Uday Kumar B.** Morphometric studies of Human liver in rayalaseema bone (MSc).

2.3 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.

2. **Sreekanth C.** Variations in the External Morphology of Gall Bladder: A Cadaveric Study in South Coastal Population 2019;7(1.3):6302-6.
3. **Sreekanth C, Lattupalli Hema.** Morphometric study of Orbit in skull bones: Direct Measurement study.
4. **Sreekanth C, Lattupalli Hema.** Study on the nutrient foramen of long bones of Upper Limb.
5. **Prathiba K, Lalitha Kumari MK, Sreekanth C, Srivani D.** A study on Ossified Carotico Clinoid Ligament in Human Skulls in Rayalaseema zone. IOSR-JDMS 2020;19(1):30-3.
6. **Lalitha Kumari M K, Srivani D, Vinayaka Naik I, Sreekanth C, Prathiba K.** Study of Anatomical Variations of Number of pulmonary veins and its clinical significance. Int J Contemporar Med Res 2020;7:C-1C3.
7. **Srivani D, Sreekanth C, Prathiba K, Lalitha Kumari M K.** Quantitative analysis of Morphometric variations of human spleen –A cadaveric study. Indian Journal of Clinical Anatomy and physiology 2020: 7(1); 1-6
8. **Srivani, Sofia P, Jayachandra pillai J.** A Study on Morphometric Dimensions of Human Fetal Spleen at Different Gestational ages. Academia anatomica International 2020;6:10-4.
9. **Jagadeesh Babu D, Venkata Ramulu M, Sunil Kumar U, Vinayaka Naik I** - A Study on Nutrient Foramina of Dry Humerus in Adult Human Cadavers in Rayalaseema Region. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) 2020;19:1-6.

10. **Jayapriya T, Vinayaka Naik I.** A Study on Thyroid Profile in Females with Depression in Rayalaseema Region. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) 2020;19:9-14.
11. **Kishorenaick D, Thyagaraju K.** Incidence of Pyramidal Lobe And Levator Glandulae Thyroideae Of Thyroid Gland In Adult Cadavers: A Morphological Study With Its Surgical Perspective int J Anat Res 2020;8:7458-62.
12. **Kishore Naick D, Manoharan Haripriya.** Knowledge, Awareness, and Practices (kap) among Health Science students and primary health care physicians regarding updated guidelines towards Covid-19 pandemic infection in Andhra Pradesh: a cross Sectional study International Journal of Integrative Medical Sciences. Int J Intg Med Sci 2020;7(5):905-13.

2.5 CMEs/Seminars/Workshops attended

1. **Dr D.Srivani, Dr I. Vinayaka Naik** were participated in second phase curriculum Implementation support program (CISP II) held at SVIMS –Sri Padmavathi Medical College for Women, Tirupati during 28-29 September,2020
2. **Dr D. Srivani, Mr. C. Venkataramana,** Participated in online webinar “impact of covid-19 on teaching Discussion” on 19th December, 2020
3. **Mr. C. Venkataramana** attended to webinar series on Best practices in Anatomy Education at Kasturba Medical College, Manipal on 23rd November 2020.
4. **Mr D.Kishore Naick** completed third level of “SVIMS Simulation Training at SVIMS Simulation system SPMC-W building recognized as International training center by American Heart Association during 7-9 December 2020.
5. **Mr. D.Kishore Naick** participated in E-CME cum Training session on Pharmacovigilance An umbrella word for Drug safety “Organized by Vinayaka Missions Kinpananda variya Medical College & Hospitals, Salem on 23rd January 2020.
6. **Mr D.Kishore Naick** attended panel Discussion on “impact of Covid-19 on teaching dissection challenges and solutions” on 19th December 2020 organized by Theme publishers.
7. **Mr D.Kishore Naick** Completed the required online course of study for “competency based Medical Education (Anatomy) between August 2020 to November 2020.not less than two hours of work by MEUINOIA with Reg.No. 376
8. **Mr D.Kishore Naick** attended A webinar on “Non Hodgkin’s Lymphoma: one size Doesn’t fit All” organized by International Association of oncology (IAO) on 1st September 2020.
9. **Mr D.Kishore Naick** attended A Webinar on “Role of Afatinib in managing 1st line EGFR motive patients and sequencing of lung TKI’S organized by International Association of Oncology (IAO) on 5th September 2020.
10. **Mr D.Kishore Naick** participated in “The global webinar on Inspiring Leadership & compassion” including its question and answer session held on 08-082020 organized by Sri sharada institute of Indian Management – research.
11. **Mr D.Kishore Naick** attended webinar on “Updates in the management of pancreatic cancer” organized by International Association of oncology IAO on 29th August, 2020
12. **Mr D.Kishore Naick** participated in the scientific seminar through webinar on 6th June 2020 organized by Association of Public Health Veterinarians” on celebration of world zoonosi day 2020
13. **Mr D.Kishore Naick** successfully completed webinar on ”Behavioral and relationship Intelligence” by Master life EQ education PVT,LTD on 7th December 2020
14. **Mr D.Kishore Naick** Participated in E-CME ON”DIGITAL Medical illustration in Anatomy and Anatomists” organized by Vianayaka missions krupananda variyar Medical college Hospitals Salem, on 29th August 2020
15. **Mr D.Kishore Naick** received certificate of membership issued by International Association of Oncology (IAO) on 15th August 2020
16. **Mr D.Kishore Naick** have attended webinar on “Squamous cell carcinoma of head 7 Neck : our own problem” organized by International Association of oncology IAO on 15th August 2020
17. **Mr D.Kishore Naick** have participated in one day International webinar on “Digital Technologies in the public health response to pandemic” jointly organized by Department of Zoology 7 IAQC ,R.K.D college patna on 5th September 2020

3.0 DEPARTMENT OF BIOCHEMISTRY

Professor & HoD

Dr Aparna R. Bitla

Faculty

Dr M.M. Suchitra
Dr N. Harini Devi

Dr V.Sri Devi Kiranmayi
Dr T. Silpa

Dr M. Kusuma Kumari

Senior Resident

Dr N. Lakshmana

Dr Keerthi Thejmitta

MD Tutor cum PG Junior Residents

Dr Pralayakaveri Jyothsna

Dr K. Mamatha

Dr Mohammed Arslan

3.1 Awards, achievements and felicitations

1. **Dr Aparna R.Bitla** Professor and Head received the Dr Subhashini Yaturu **Gold medal** for the research work titled, “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 (6), 6287-6297.” On the eve of Annual day celebrations of SVIMS, Tirupati on 26th February 2020.
2. **Dr M.M.Suchitra**, Professor, Dept of Biochemistry was appointed as Andhra Pradesh State Representative for Association of Medical Biochemists of India.
3. **Dr N. Harini Devi**, Associate Professor, Dept of Biochemistry is appointed as **Joint Executive Secretaty** for SVIMS faculty council
4. **Dr Aparna R.Bitla & Dr N. Harini Devi**, Appointed as Associate members for Consortium of Accredited Healthcare Organizations (CAHO).
5. **Dr Silpa T**, Assistant Professor won **First Prize** for poster presentation on “Association of the bone isoform of Alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus” in 3rd state chapter conference of Association of

Medical Biochemists of India, AP AMBICON 2020 held on virtual platform at Tirupati, during 29th and 30th December 2020.

6. **Dr Mohammad Arslan**, JR-1 won the **First Prize** for oral presentation among PG presentations for the paper titled, “Effect of Rosuvastatin on Lipid indices in patients with type-2 diabetes mellitus” in 3rd state chapter conference of Association of Medical Biochemists of India, AP AMBICON 2020 held on virtual platform at Tirupati, during 29th and 30th December 2020.

3.2 Research Projects

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 for **Dr Aparna R.Bitla** (Grant letter dated 02.05.19 (Roc.No.AS/14/SBAVP/SVIMS/2017 ecomputer no.208389). (3 years) Co-investigator: Dr V.S.Kiranmayi. **Funding Agency:** SBAVP, SVIMS, Tirupati, 2019;(2 years).
2. **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

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Funding Agency: SBAVP, SVIMS, Tirupati, 2018; (2 years).

3. **Principal Investigator: Dr VS Kiranmayi Title:** Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism on treatment with thyroxine. **Co-investigators:** Dr V. Suresh; **Dr N. Harini Devi; Funding Agency:** SBAVP, SVIMS, Tirupati, 2018; (2 years) .

3.3 Research Work

Thesis submitted

1. **Naresh S.** Study of anti-atherogenic effects of rosuvastatin in patients with type 2 diabetes mellitus (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Jyothsna P.** Glycated albumin and glycated hemoglobin levels in non-diabetic subjects with iron deficiency anemia (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing Thesis work

1. **Mamatha K.** Comparison of methods for estimation/measurement of haemoglobin A1c levels in patients (in predialysis) with chronic kidney disease (MD).
2. **Arslan MD.** Study of components of metabolic syndrome in patients with hypothyroidism (MD).

Dissertation submitted

1. **Leela P.** Study of bone turnover markers in postmenopausal women (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Harshitha TH.** Study of lipid profile and lipid indices in postmenopausal women (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
3. **Keerthika T.** Study of oxidant and antioxidant status in obese individuals (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing dissertation

1. **Naveena.** Lactate /Albumin ratio as predictive marker in Patients with Sepsis (MSc).

2. **Naresh.** Urinary citrate-to-creatinine ratio as acid-base status marker in chronic kidney disease (MSc).
3. **Suresh.** Correlation of serum zinc and magnesium with HbA1c in patients with type 2 diabetes mellitus (MSc).

3.4 Thesis completed in collaboration with other departments

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). In-silico trials to identify potent inhibitors against matrix metalloproteinases in breast cancer (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; Tirupati, 2019.
3. **Dr K.Naveen Kumar.** 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.

Dr Harini Devi, was **co-guide** for the thesis

1. **Dr A.Sunnesh Reddy.** 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. **Dr N.Sai Sameera.** 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. **Dr 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. **DrNavakiran 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. **DrVinayakyerra.** Clinical Profile of Hypertensive patients Presenting to Emergency Department (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr Kiranmayi V.S 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. **B Manoj.** Evaluation of renal function after percutaneous nephrostomy or DJ stenting in calculus upper tract obstruction with renal failure (M.Ch). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **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.
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.

3.5 Thesis ongoing in collaboration with other departments

Dr Aparna R. Bitla is *co-guide* for the thesis:

1. **Ms. 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. **Dr Maria Bethsaida Manual.** Correlates of atherosclerotic vascular disease in stable post-renal transplant patients (DM Nephrology). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
- Dr Alekhya.** A study of oxidative stress, inflammation and endothelial dysfunction in snake bite induced acute kidney injury (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr N. Hanini Devi is *co-guide* for the thesis

1. **Dr M. Murali.** Non-invasive assessment of bone disease in patients of chronic kidney disease in various stages (DM).

Dr V.S. Kiranmayi V.S is *co-guide* for the thesis

1. **Dr Vijay Chandra Reddy.** Effect of heartfulness meditation practices on endothelial function and inflammation in patients with coronary artery disease (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019;
2. **Ms. K. Poojitha.** The Effect of Heartfulness meditation on vital parameters and Biomarkers of stress in young healthy female students (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.
3. **Ms. M.Haripriya.** Effect of heartfulness meditation practices on oxidative stress markers in patients with coronary artery disease (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019.

Dr M. Kusuma Kumari is *co-guide* for the thesis

1. **Dr Maria Besthsaida.** Correlates of atherosclerotic valvular disease in stable post-renal transplant patients. (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2019

2. **Dr 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
3. **Dr 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
4. **Dr M. Siva Kumar.** Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020
5. **Dr Pothula Prasanthi.** Comparison of C-reactive protein and plasma lactate in assessing the severity and outcome of community acquired pneumonia in a tertiary care institute (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020
6. **Dr B. Shruthi.** Autoantibodies and Calcitonin in Graves disease with Hyperthyroidism before and after treatment with carbimazole (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
7. **Dr Butukuri Likitha.** Patterns and predictors of acute complications among patients with type 1 diabetes mellitus (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020

3.4 Conferences attended, lectures delivered

National

1. **Dr M.M.Suchitra**, Professor, attended National conference on National Postgraduate Update cum CME “Virtual-Bio-Connect” of Association of Medical Biochemists of India and judged an oral presentation session on Biochemical markers:Hepatic, nutritional /Trace elements held online at Department of Biochemistry, Government Medical College & Hospital, Chandigarh during 1-2 November 2020.

Conference organized:

3rd State chapter of Association of Medical Biochemists of India on the theme “Competency based medical education in Biochemistry” on virtual

platform at Department of Biochemistry, SVIMS, Tirupati during 29-30 December 2020.

1. **Dr Aparna R Bitla** was involved as organizing chairperson and participated in a panel discussion on “Advantages and challenges of CBME and future directions”
2. **Dr M.M.Suchitra**, was involved as organizing secretary and conducted a workshop on “Writing specific learning objectives” and delivered a lecture on “planning a small group discussion”.
3. **Dr N. Harini Devi** attended and presented poster titled “To study the association between anthropometric indices, Lipid accumulation product and atherogenic indices among the adolescents” and conducted a workshop on “Writing specific learning objectives” along with Dr M.M.Suchitra and Dr T.Silpa.
4. **Dr V.S.Kiranmayi** attended the 3rd State chapter of Association of Medical Biochemists of India held on virtual platform and conducted a workshop on “OSPE” along with Dr N. Madhavilatha and Dr M. Kusuma Kumari
5. **Dr M. Kusuma Kumari** attended and conducted a workshop on “OSPE” along with Dr N. Madhavilatha and Dr M. N.Harini Devi.
6. **Dr Silpa T**, attended and presented a poster on “Association of the bone isoform of Alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus” and conducted a workshop on “Specific Learning Objectives in Biochemistry” along with Dr M.M Suchitra and Dr N. Harini Devi.
7. **Dr N. Lakshmanna** attended and presented a poster titled “To study Urinary N-Acetyl glucosaminidase levels in patients with Type 1 diabetes”
8. **Dr Keerthi Thej** presented a paper on “Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus”.

3.5 Presentations by postgraduates

1. **Dr Mamatha K**, attended Biomedical Innovations and Small Business Opportunities and presented a paper on “ Comparison of two methods for measurement of serum chloride”, held at SVIMS, Tirupati on 22nd to 23rd January 2020.

2. **Dr Mamatha K**, attended AP AMBICON 2020 and presented a paper on “Study of association of eGFR using different equations with hypertensive renal damage” held at Tirupati on 29th and 30th December 2020.
3. **Dr Mohammed Arslan** attended AP AMBICON 2020 and presented a paper on “Effect of Rosuvastatin on Lipid indices in patients with type-2 diabetes mellitus” held at Tirupati on 29th and 30th December 2020.

3.6 Publications

Publications in indexed journals

1. **Velam V, Kasala L, Durgaprasad R, Bitla AR.** Assessment of healthy lifestyle and wellbeing status among the employees of a tertiary care hospital. J NTR Univ Health Sci.2020;9:20-4.
2. **Naresh S, Bitla AR, Rao PVLNS, Sachan A, Amancharla YL.** Efficacy of oral rosuvastatin intervention on HDL and its associated proteins in men with type 2 diabetes mellitus. Endocrine. 2020. doi: 10.1007/s12020-020-02472-5. Epub ahead of print. Erratum in: Endocrine. 2020 Oct 13; PMID: 32895874.
3. **Raghuram Bollineni, Durgaprasad Rajasekhar, Vanajakshamma Velam, Harini Devi N.** Correlation of Spot Urine Protein Creatinine Ratio with Angiographic Disease Severity in Non-Diabetic Stable Coronary Artery Disease. International Journal of Science and Research (IJSR).2020; 9 (4): 934-937.
4. **Varalakshmi B, Kiranmayi VS, Aparna B, Ram R, Rao PVLNS, Kumar VS.** Plasma osteopontin levels in patients with acute kidney injury requiring dialysis: a study in a tertiary care institute in South India. Int Urol Nephrol 2020;52:917-21.
5. **Chandrasekhar C, Kiranmayi VS, Pasupuleti SK, Sarma KV, Sarma PV.** Assessment of Reference Range of Serum Homocysteine from the Post-therapy Values of Cobalamin and Folate Deficiency Patients. J Assoc Physicians India 2020;68:36-42.
6. **Keerthi Thej M, Bitla AR.** Comparison of two methods for the measurement of serum chloride. J Clin Sci Res 2020;9:89-93
7. **Sasikala T, Sahoo S, Lakshmana N.** Effect of COVID-19 crisis on medical students. Int J Res Med Sci 2020;8:2714-5.(Review article)

Original articles: 06

Accepted for Publications: 06

1. **T.Sasikala, M.M.Suchitra, Aparna R Bitla, S.Sarala, V.Suresh.** Intercellular adhesion molecule -1 is a surrogate biomarker for subclinical atherosclerosis in type 2 diabetes mellitus. Biomarkers in Medicine.
2. **Sai Sameera N, Harini N, Lakshmi AY, Siva kumar. V.** Oxidative Stress, Inflammation and Endothelial Dysfunction Markers In Diabetic And Non Diabetic Patients with Chronic Kidney Disease On Peritoneal Dialysis. Saudi J Kidney Dis Transpl. 2020
3. **Praveen N, Harini N, sachan A, Srinivasa Rao PVLN, Siva kumar. V.** Insulin resistance in non diabetics with chronic kidney. Saudi J Kidney Dis Transpl. 2020
4. **Jyothsna P, Vinapamula KS.** Urine sodium dithionite test: A useful clinical test for paraquat poisoning. (Accepted for publication in Journal of Clinical and Scientific Research under Special feature category).
5. **Gundalapalli N, Vinapamula KS, Sarala S, Suresh V, Suchitra MM.** Study of magnesium levels in patients with type 2 diabetes mellitus. (Accepted for publication in Journal of Clinical and Scientific Research as correspondence).
6. **Sarath Chandra V, Kiranmayi VS, Srinivasa Rao PVLN, Sivakumar V.** Hepatocyte growth factor in predialysis and haemodialysis chronic kidney disease patients. (Accepted for publication in Saudi Journal of Kidney Diseases and Transplantation under Original article category).

Papers under review

1. **P.Pullaiyah, M.M.Suchitra, Aparna R Bitla, Alok Sachan.** Effect of oral vitamin D supplementation on oxidative stress and inflammation in patients with type 2 diabetes mellitus having vitamin D deficiency. Journal of Endocrinological Investigation.

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3.7 CMEs/Seminars/Workshops/Orations

CMEs conducted

Joint CME was organized by Departments of Biochemistry, Endocrinology and Pharmacology on 16th March, 2020.

Workshops conducted

Department of Biochemistry conducted two workshops titled, “Writing specific learning objectives” and “OSPE” as part of the 3rd State chapter of Association of Medical Biochemists of India held on virtual platform held at Tirupati during 29th - 30th December 2020.

3.8 CMEs / seminars/workshops attended

1. **Dr Aparna R Bitla, Dr MM. Suchitra, Dr N. Harini Devi, Dr VS. Kiranmayi, D. M.M. Kusuma Kumari, Dr T.Silpa, Dr N.Lakshmana, Dr P.Jyotsna, Dr K.Mamatha** attended the Joint CME on overview of metabolism organized by Departments of Biochemistry, Endocrinology and pharmacology on 16th March, 2020.
2. **Dr Aparna R. Bitla, Dr M.M.Suchitra** attended a workshop on “Clinical audit” organized by the Consortium of Accredited Healthcare Organizations (CAHO) held at SVIMS Hospital, Tirupati on 5th March 2020.
3. **Dr M. Kusuma Kumari** attended a National Training workshop on “Molecular Biology Techniques with special emphasis on Virology (TMV-2020)” during 10th - 16th February, 2020 organized by the Department of Virology, S. V University College of Sciences, Tirupati.
4. **Dr Silpa T** attended a CME on “Inflammatory markers in the management of COVID 19 – the predictors of the unpredictable” conducted by Thoothukudi Medical College, Thoothukudi during 24-25 November 2020.

3.9 Other academic activities

1. **Dr Aparna R.Bitla, Dr N.Harini Devi, Dr V.S.Kiranmayi and Dr M. Kusmakumari** attended the “Basic course in Biomedical research” online training program (cycle 2 Mar-Jun 2020) as mandated by Board of Governors in supersession

of Medical Council of India (MCI) and successfully cleared the online exam held in December 2020.

2. **Dr Aparna R.Bitla, Dr M.M.Suchitra, Dr N.Harini Devi, Dr V.S.Kiranmayi, Dr M.Kusmakumari, Dr T.Silpa and Dr N.Lakshmana** attended the online webinar on “Safe blood & body fluid collection practices during COVID-19 times” organized by BD on 2nd July 2020.
3. **Dr Aparna R Bitla and Dr M.KusumaKumari attended** the 2nd Curriculum Implementation Support Program (CISP) conducted by Medical Education Unit, SVIMS, SPMC(W), Tirupati on 28th and 29th September 2020.
4. **Dr Aparna R.Bitla, Dr M.M.Suchitra, Dr N.Harini Devi, Dr V.S.Kiranmayi and Dr T.Silpa** attended a webinar on “NABL-Medical (Entry level) testing laboratories recognition program” held on 20th October 2020.
5. **Dr M.M.Suchitra, Dr N.Harini Devi and Dr T.Silpa** attended a webinar on “Medical Humanities” organized by Vinayaka Mission’s Kirupananda Variyar Medical College & Hospitals, Salem, on 28th October 2020.
6. **Dr Aparna R. Bitla and Dr V.S.Kiranmayi** completed the online training program “Masterclass series” on Clinical Audit, Clinical Indicators, Failure Mode And Effect Analysis, How do you measure culture of safety?- Tools & Techniques, Infection Control Risk Assessment(ICRA) & Point of care Risk Assessment(PCRA), Mock Drills-Table Top Exercises, Patient Reported Outcome Measures, Patient Satisfaction VS Patient Experience conducted by Consortium of Accredited Healthcare Organizations conducted between Oct – Nov 2020.

Dr Aparna R Bitla completed the following training programs

1. “Minitab” conducted by Simplilearn on 11th March 2020.
2. “Certified Lean Six Sigma Black Belt: conducted by Simplilearn on 17th March 2020.
3. “Lean Six Sigma in Healthcare” conducted by Simplilearn on 18th March 2020.

4. “Lean Management” conducted by Simplilearn on 18th March 2020.
5. “Laboratory Management Systems & Internal Audit training course as per ISO 15189-2012” a 4 days Online Virtual Session held from 30th July to 2nd August 2020.
6. “Migration from NABH 4th edition to 5th edition” by Consortium of Accredited Healthcare Organizations conducted between August 2020 to December 2020.

Dr Aparna R.Bitla was paper setter for I MBBS for Kaloji Narayana Rao University of Health Sciences (KNRUHS), Telangana

Dr M.M.Suchitra

1. A two-day symposium on “Biomedical Innovations and Small Business Opportunities” organized by SVIMS, Tirupati, Sugan Life Sciences Pvt Ltd, Tirupati in association with DSIR-PRISM, S.P.Mahila Visvavidyalayam (SPMVV), Tirupati & Federation of Asian Biotech Associations from 22nd – 23rd January 2020.
2. A virtual symposium on E learning development, delivery and assessment held at Sri Siddhartha Institute of Medical Sciences and Research Centre, TBegur, Bengaluru Rural from 23rd -25th July 2020.
3. Participated in an online course of study conducted by MEU India on Competency based medical education (Biochemistry) between June to September 2020.
4. A webinar by MEU India on presentations of EMS and Online OSCE on Sep 30th 2020.
5. Reviewed manuscripts for “Journal of Research in Medical Sciences and Endocrine, Metabolic & Immune Disorders-Drug Targets.
6. Appointed as Journal reviewer board member for “Clinical Research Notes.
7. Evaluated MD dissertations from Nizam’s Institute of Medical Sciences, Punjagutta, Hyderabad.
8. Attended as external Examiner for MD exam held at Stanley Medical College, Chennai from Aug 31st to September 1st 2020 which was conducted online.

9. Attended as external Examiner for MD exam held at CMC, Vellore, from 24th-25th November 2020 which was conducted online.
10. Question paper setter for 2nd year BSc.Optomety Degree Examinations, Kerala University of Health Sciences, Medical College, Thrissur, Kerala.

Dr N. Harini Devi completed the training programs on

1. “Laboratory Management Systems & Internal Audit training course as per ISO 15189-2012” a 4 days Online Virtual Session held from 30th July to 2nd August 2020.
2. “Migration from NABH 4th edition to 5th edition” by Consortium of Accredited Healthcare Organizations conducted between 28.11.2020 to 30.11. 2020.

Dr V.S.Kiranmayi attended

1. The webinar Student Research Mentoring Program (CSRMP) on “How to frame a Research Question?” conducted by Consortium of Accredited Healthcare Organizations on 10th November 2020.
2. The International Webinar Series on “Patient reported outcome measures (PROM)” conducted by Consortium of Accredited Healthcare Organizations on 1st December 2020.

Dr M. Kusuma Kumari attended

1. A 3-day hands-on online training course on molecular docking with a special emphasis on Drug Designing” conducted by Center for Academic Development, Hyderabad from 6th-8th April, 2020.
2. The Pre-Analytical clinical Thinktank webinar on Urine Specimen Management in COVID Times organized by BD on 5th June, 2020.
3. The Pre-Analytical clinical Thinktank webinar on COVID-19 Diagnosis and Immunology: current and upcoming trends organized by BD on 10th June, 2020.
4. QC Webinar on EQAS interpretation: Quantitative report organised by Bio-Rad on 16th July, 2020.
5. IFCC Webinar on Advancing Internal and External Quality Assurance on a Global Scale conducted on 15th October, 2020.

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Dr Silpa T attended

1. A two day symposium on “Biomedical Innovations and Small Business opportunities” organized by SVIMS, Tirupati during January 22-23, 2020.
2. A webinar on “Equipment Selection & Method Validation” organised by Medical Education & learning point on 9th June 2020.
3. A webinar on “Understanding and Interpretation of Serum Protein Electrophoresis – An update” through MS Teams conducted by Kasturba Medical College, Mangalore on 21st December, 2020.
4. “5-day online Faculty Development Program (FDP) on Universal Human Values for DEEKSHARAMBH (Student Induction Program)” organized by NIT Patna during 23-27 November 2020.
2. “Six Sigma in Clinical Labs” held at 360 Diagnostic & Health Services Pvt. Ltd. Noida on 12th April 2020.
3. “Basic Course in Biomedical Research” As mandated by Board of Governors in supersession of Medical Council of India (MCI) with consolidated assignment scores of 95% on Sep- Dec 2019.
4. One week online training program on “Advanced Data Analysis Using SPSS” during October 08-14, 2020 organized by Science Tech Institute, Lucknow, Uttar Pradesh.
5. One Week Online Training Program on Biostatistics for Medical Professionals, organized by Science Tech Institute, Lucknow, Uttar Pradesh during November 02-08, 2020.

Dr Silpa T completed the following training programs

1. “Internal Quality Control and External Quality Assurance in Clinical Labs” held at 360 Diagnostic & Health Services Pvt. Ltd. Noida on 11th April 2020.

Dr N. Lakshmanna attended webinar on “Pre natal screening for fetal defects” organized by Department of Biochemistry, ESIC Medical College and Hospital, Sanathnagar, Hyderabad on 12th December 2020.

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 Amineni Umamaheswari**, Professor & Head, Department of Bioinformatics got **Distinguished Scientist Award** from the Society for Bioinformatics and Biological Sciences, Allahabad - 211007, U.P., India.
2. **Dr Pasala Chiranjeevi** awarded his **Ph.D. degree in Bioinformatics** on the topic entitled on “Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori*”.
3. **Umakanth Naik V., Sandeep S., Sudheer Kumar K and Umamaheswari A.** Targeting RAF-MEK-ERK by novel lead through in silico approaches was presented, published and awarded as the **best poster** in the two-day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India from 22nd to 23rd January, 2020.

4.2 Fellowships received:

1. **Mrs. Pakala Sivaranjani** wastechically selected forSRF under **ICMR-SRF**.

4.3 Orations delivered: 01

1. **Dr Amineni Umamaheswari**, Professor and Head, Department of Bioinformatics delivered a webinarentitled “Artificial intelligence and drug Designing”.

4.4 Research projects:

Research Projects completed

1. **Dr A. Umamaheswari:** 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.)

Ongoing Research Projects

1. **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, 2018-2021 (3 yrs.)
2. **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.).

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3. **Title:** Design of leads to manage Parkinson's disease through transcriptomic analysis. **Funding agency:** University Grants Commission, Govt. of India (2019-2024)
4. **Title:** Potential drug target identification and inhibitor design for human cervical cancer through transcriptomic approach. **Funding agency:** Indian Council of Medical Research (ICMR), Govt. of India, New Delhi. (2021-2024)

4.5 Research works:

Ongoing PhD thesis works:

1. **KatariSudheer Kumar:** *In silico* trials to identify potent inhibitors against matrix metalloproteinases 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 approaches (PhD).
5. **VankadothUmakanth Naik:** Design of leads to manage Parkinson's disease through transcriptomic analysis (PhD).

4.6 Conferences attended and lectures delivered:

1. **Dr Amineni Umamaheswari,** Professor and Head, Department of Bioinformatics delivered lecture at AICTE teaching and learning-FDP program on "Artificial intelligence and drug Designing" on 6th November 2020.

Conferences presented:

International

1. **Srinivas Vulichi., Sudheer Kumar K., Umamaheswari A., Venkata Rao C., Kapur S and Rupak K.** Virtual screening of some typical guanidine based small molecules against selected anti-Diabetic drug targets was presented and published in the threeday International Conference

on Drug Discovery 2020, BITS Pilani Hyderabad, India From February 29th - March 2nd, 2020.

National

1. **Sudheer Kumar K., Sharon Priya Alexander and Umamaheswari A.** Inhibitor design strategy for interstitial collagenase mediated malignancies was presented and published in the two day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India From 22nd to 23rd January, 2020.
2. **LalapetaDivya S., Sivaranjani P., Veena K., Bhuvaneswari P and Umamaheswari A.** Identification of novel antagonist against tenascin-c induced cancer was presented and published in the two day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India From 22nd to 23rd January, 2020.
3. **Umakanth Naik V., Sandeep S., Sudheer Kumar K and Umamaheswari A.** Targeting RAF-MEK-ERK by novel lead through in silico approaches was presented, published and awarded as the best poster in the two day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India From 22nd to 23rd January, 2020.
4. **Chiranjeevi P., Ravina Madhulitha N and Umamaheswari A.** Core hopping-based designing of effectual inhibitors against lipopolysaccharide (LPS) biosynthesis using conserved target d-sedoheptulose 7-phosphate isomerase was presented and published in the two day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association

with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India From 22nd to 23rd January, 2020..

4.7 Publications

Publications in indexed journals:

1. **Nagalakshammamma, V., Venkataswamy, M., Pasala, C., Umamaheswari, A., Thyagaraju, K., Nagaraju, C., & Chalapathi, P. V.** (2020). Design, synthesis, anti-tobacco mosaic viral and molecule docking simulations of urea/thiourea derivatives of 2-(piperazine-1-yl)-pyrimidine and 1-(4-Fluoro/4-Chloro phenyl)-piperazine and 1-(4-Chloro phenyl)-piperazine - A study. *Bioorganic chemistry*, 102, 104084.
2. **Sarala Devi, T., Rajitha, G., Swathi, K., Sudheer Kumar, K and Umamaheswari A** (2020) Synthesis, Molecular Docking Studies and Biological Evaluation of N-Acylarylhydrazones as Anti-Inflammatory Agents. *Advances in Experimental Medicine and Biology*. 1195: 137-148.
3. **Sri Harsha S., Sudheer Kumar K., Chiranjeevi P and Umamaheswari A** (2020) Novel and potent inhibitors for dihydropteroate synthase of *Helicobacter pylori*. *Journal of Receptors and Signal Transduction*, 40(3): 246-256.
4. Srinivas Vulichi., Sudheer Kumar K., Umamaheswari A., Venkata Rao C., Kapur S and Rupak K. (2020) Virtual screening of some typical guanidine based small molecules against selected anti-Diabetic drug targets. *Proceedings of International Conference on Drug Discovery (ICDD)*, 93. SSRN: <https://ssrn.com/abstract=3534706>.
5. **Srinivas 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. *Journal of Young Pharmacists*, 11(Suppl), S10.

Paper under Review

1. Sudheer Kumar K., Chiranjeevi P., Ravina Madhulitha N., Aparna R. Bitla and Umamaheswari A. *In silico* trials to design potent Inhibitors against Matrilysin. *Journal of Biomolecular Structure and Dynamics*.

4.8 CMEs/ Seminars/ Workshops/Orations conducted by the Department

1. Conducted two-day National Symposium on Biomedical Innovations and Small Business Opportunities organized by Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati and Sugan Life Sciences Pvt. Ltd., Tirupati in association with DSIR-PRISM, SPMVV, Tirupati and Federation of Asian Biotech Associations (FABA), India during 22nd - 23rd January, 2020.

4.9 CMEs/Seminars/Workshops attended

1. Dr A. Umamaheswari attended webinar on “Mechanismsof cancer induced cachexia” organized by Mizoram University Aizawl on 28th August 2020.
2. Dr A. Umamaheswari attended “Vaccine and Drug Development against COVID-19” organized by department of Biotechnology, school of life sciences Mizoram University (A Central University), Aizawl on 18th May 2020.
3. Dr A. Umamaheswari attended Webinar organized by the School of Life Sciences, Mizoram University Aizawl, on the Topics “Human Microbiome -An Invisible Organ” on 4th September 2020.
4. Dr A. Umamaheswari attended live International webinar on “SARS-CoV-2: Pathogenesis, Diagnosis, Vaccines and Therapeutic Interventions” organized by Department of Virology, Sri Venkateswara University, Tirupati on 20th and 21st June 2020.
5. Dr A. Umamaheswari attended webinar on COVID19: The Pandemic research implications and prospective vaccines organized by Department of Applied Microbiology and Biochemistry, Sri Padhmavati Mahila Visvavidyalayam, Tirupati on 6th and 7th June 2020.
6. Dr A. Umamaheswari attended Virtual International seminar on “Strategies and Opportunities in dealing with COVID-19 Pandemic-Biotechnological Implications”, by Department of Biotechnology, Sri Padmavati Mahila Visvavidyalayam (Women’s University), Tirupati on 14th May 2020.

4.10 Other academic activities of significance

1. RAC member for CSIR JRF and SRF evaluation in IISER Tirupati on 21st July 2020

5.0 DEPARTMENT OF BIOTECHNOLOGY

Associate Professor & Head i/c.

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 Research projects

Research projects completed

1. **Principal Investigator:** Mr. Subbarayudu S. **Title:** Characterization of molecular interactions of 4-methoxy 1-methyl 2-oxopyridine 3-carbamide evaluation of its anti Staphylococcus aureus and anti-biofilm activities. **Funding agency:** SBAVP, SVIMS.
2. **Principal Investigator:** Deepika G. **Title:** Molecular characterization of proteases in *Staphylococcus aureus* ATCC 12600 showing anti-biofilm properties **Funding agency:** SBAVP, SVIMS.

5.2 Research work

Ongoing Ph. D 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 (Ph.D thesis).
2. **Deepika G.** Molecular characterization of proteases in *Staphylococcus aureus* ATCC 12600 showing anti-biofilm properties (Ph.D thesis).
3. **Surekha K.** *In vitro* generation of mesangial cells from human hematopoietic stem cells (Ph.D thesis).
4. **Sireesha K.** *In vitro* generation of keratinocytes from human hematopoietic stem cells (Ph.D thesis).

5. **Samundeswari E.L.** *In vitro* generation of chondrocytes from human hematopoietic stem cells (Ph.D thesis).

Dissertation Work

M. Sc Dissertation Submitted

1. **Chinna G.** In silico analysis of deciphering the function of Acid Phosphatase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
2. **Nikhila K.** In silico analysis of deciphering the function of Serine hydroxymethyltransferase DNA sequence (glyA) in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; Tirupati: 2020.
3. **Gowthami N.** Comparative Structural Analysis of Peptidyl Deformylase of Staphylococcus aureus with other Bacterial Peptidyl Deformylases. Sri Venkateswara Institute of medical Sciences; 2020; Tirupati.
4. **Swetha Y.** Comparative Structural Analysis of Glucokinase of Staphylococcus aureus with other Bacterial Glucokinases. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
5. **Siva M.** In silico analysis of deciphering the function of Alkaline Phosphatase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.

6. **Samuel Krupa Rakshan M.** In silico analysis of deciphering the function of L-Lactate dehydrogenase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
7. **Ruthamma P.** Comparative Structural Analysis of Protein Tyrosine Kinase of Staphylococcus aureus with other Bacterial Protein Tyrosine Kinase. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
8. **Mamatha S.** In silico analysis of deciphering the function of Uridine Mono Phosphate Kinase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
9. **Girish Desai D.** In silico analysis of deciphering the function of Pyruvate Kinase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.
10. **Bhupathi Raju M.** In silico analysis of deciphering the function of NAD Kinase DNA sequence in Staphylococcus aureus strain ATCC 12600. Sri Venkateswara Institute of medical Sciences; 2020: Tirupati.

Thesis work done in collaboration with other departments

Dr PVGK. Sarma was Co-guide for the following thesis

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 (Ph. D thesis).

5.3 Conferences attended, lectures delivered

Dr PVGK. Sarma, attend the following

1. National workshop on Teacher training programme and delivered guest lecture on “**Medical Genetics**” held at UGC Academic staff college, Sri Venkateswara University, Tirupati, during 12th February 2020.

2. Delivered lecture on **Serine -Threonine kinase its function in the progression of cancer** at ICAR winter school on “Molecular approaches for diagnosis of cancer in animal including poultry” from 6.02.202 to 26.02.2020 conducted by Department of Veterinary Pathology, Sri Venkateswara Veterinary University, Tirupati.

5.4 Publications

Chapters written in various books

1. **Srikanth, L, Sarma PVGK** (2021). 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 (in press).

Research papers published

1. **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. 2020; 62: 101312. doi: 10.1016/j.tice.2019.101312.
2. Kumar PS, Srikanth L, Reddy KS, Sarma PVGK. Novel mutations in the Ring-finger domain of BRCA1 gene in clinically diagnosed Breast Cancer patients. 3 Biotech. 2020; 10:47. <https://doi.org/10.1007/s13205-019-2037-5>.
3. **Dharaniprasad G, Samantaray A, Srikanth L, Hanumantha Rao M, Chandra A, Sarma PVGK.** Chronic persistent surgical pain is strongly associated with COMT alleles in patients undergoing cardiac surgery with median sternotomy. Gen Thorac Cardiovasc Surg. 2020 Feb 25. doi: 10.1007/s11748-020-01321-6.
4. **Chandrasekhar C, Kiranmayi VS, Kumar PS, Sarma KVS, Sarma PVGK.** Assessment of Reference Range of Serum Homocysteine from the Post-therapy Values of Cobalamin and Folate Deficiency Patients. Journal of The Association of Physicians of India.2020; 68.
5. Chandrasekhar C, Kumar PS, Sarma PVGK. Novel mutations in the EPO-R, VHL and EPAS1 genes in the Congenital Erythrocytosis patients. Blood, cells and molecular diseases. 2020;85:102479. <https://doi.org/10.1016/j.bmcd.2020.102479>.

6. **Dharaniprasad G, Samantaray A, Srikanth L, Hanumantha Rao M, Chandra A, Sarma PVGK, Bhan V.** Mutations and structural variations in Catechol-O-methyltransferase gene of patients exhibiting chronic persistent surgical pain. *Revista Española de Anestesiología y Reanimación (Journal of Anesthesiology and Critical Care)*. 2020 (Accepted September 16, 2020).
7. **Yugandhar VG, Sunita MM, Kumar PS, Subbarayadu S, Chaudhary A, Sarma PVGK.** *Staphylococcus aureus* grown in anaerobic conditions exhibit elevated glutamine biosynthesis and biofilm units. *Can. J. Microbiol.* 2020 (Accepted October 14, 2020).

6.0 DEPARTMENT OF CARDIOLOGY

Senior Professor & Head

Dr D. Rajasekhar

Faculty

Dr V. Vanajakshamma
Dr Vikash V.M.

Dr B. Raghuram
Dr V. Ravindra Dev

Dr Nagaraj Reddy Challa
Dr M. Raja Naga Mahesh

DM PG Senior Residents

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

1. Department of Cardiology achieved a landmark of 20000 cardiac interventions on 01 Dec 2020, SVIMS is the only hospital in Govt. Sector in Andhra Pradesh to achieve this feat.
2. Department of Cardiology achieved the feat of 1000 Cardiac interventions in 2020 despite the COVID Pandemic. This was archived for 11th year in succession. SVIMS is the only hospital in Andhra Pradesh to archive this feat.
3. Dr V. Vanajakshamma, Professor, received **Meritorious service award** from District Collector of Chittoor on the eve of Republic day celebrations held at Chittoor Collectorate on 26th Jan 2020.
4. Dr V. Vanajakshamma, Professor, Felicitated by District Collector on the occasion of International women's day at SVIMS, on 8th March, 2020.
5. Dr V. Vanajakshamma, Professor, Officiated as Board Member, All India Institute of Medical Sciences (AIIMS), Madurai on 27th October 2020 by Ministry of Health and Family Welfare, Govt. of India.
6. Dr V. Vanajakshamma, Professor, Officiated as Vice-President, South Zone, National Medicos Organisation (NMO) on 15th Dec 2020.

7. Dr G. Ram Pavan Kumar, Senior Resident and postgraduate student in Cardiology won Dr G. Subramanyam **Gold medal** for best research paper presentation at APCSI-2020 virtual conference from 27-29th November-2020 for his paper titled "Assessment of Right Ventricular Strain and Strain rate before and after Percutaneous Atrial Septal Defect closure".

6.2 Research Projects

Research Projects completed

1. 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. Principal Investigator Vanajakshamma V.
2. Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis. Principal Investigator Dr M. Rajanaga Mahesh.
3. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction. Principal Investigator Dr Nagaraja Reddy Challa.

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4. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease. Principal Investigator DR B. Raghuram.
5. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy. Principal Investigator Dr V. Ravindra dev.

Ongoing research projects

Dr D. Rajasekhar as principle investigator

1. SVIMS has enrolled as a sub centre under the nodal centre JIPMER in the National Heart Failure Registry of ICMR with Dr D. Rajasekhar as principal Investigator.
2. The Impact of Heart Failure on Household Economic Well-Being – SVIMS has enrolled as a sub centre for the ICMR Study with Dr D. Rajasekhar as principal Investigator.

6.3 Research Work

Ongoing thesis work

1. **Vijaya Chandra Reddy K.** Effect of Heartfulness Meditation Practices on endothelial function and inflammation in patients with coronary artery disease (PhD). (as Chief Guide)

Thesis work in progress

1. **G. Rampavan Kumar.** Assessment of right ventricular strain and strain rate before and after ASD device closure.
2. **P. Chandrasekhar Reddy.** Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy.
3. **Y. Madhava Naidu.** Utility of global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction.
4. **Dr P. Venkata Harish.** Association of Testosterone with the Angiographic severity of coronary artery disease in the middle age males.
5. **Dr B. Kiran.** Correlation between ASCVD score, ankle brachial index and CT calcium score with

severity of coronary artery disease on coronary angiogram.

6. **Dr K. Sriram.** Echocardiographic assessment of right ventricular function in inferior wall myocardial infarction and angiographic correlation with right coronary artery disease.
7. **Dr V. Varunmitra.** Echocardiographic assessment of inter and intraventricular dyssynchrony in heart failure patients with reduced ejection fraction and normal QRS duration using speckle tracking, tissue Doppler imaging, 2D Echocardiography and M-mode.

Dissertation work completed

1. **Chandana V.** Spectrum of Congenital Heart diseases and its correlation with maternal risk factors. (M.Sc. Echo). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020

6.4 Conferences attended, lectures delivered Dr D.Rajasekhar, attended the following

National

1. As a faculty “Back to Basics” Program organised by Department of cardiology SCTIMST Tiruvananthapuram on Feb 1-2 2020.
2. As a faculty and chaired a scientific session in “India Live 2020” organised in New Delhi between Feb 28th to March 2nd 2020.
3. Chaired a scientific session in CME on Heart failure management organised by National Heart Failure Association of India on 24 June 2020.
4. Delivered a lecture on “ARNI in heart failure” What is new? in the Indian college of Cardiology conference (ICCCON 2020) organised online during 20-22 Sep 2020.
5. Chaired a scientific session on “Cardiology update 2020” organised as webinar on 24.09.2020.
6. Chaired a session in “Complex cardiology LIVE-Learn from Masters-Challenging PCI Imaging and Physiology” A webinar organised on 28.09.2020.
7. As a faculty APCS state annual conference webinar and chaired session on faculty free paper presentation during 28-29 November 2020.

8. Participated as a panellist in the “IVUS Experts round Table meeting” organised by Boston Scientific during 11.10. 2020 & 18.10.2020.
9. Delivered a lecture on “Myocardial Non compaction “What is new? in the annual national conference of Cardiologists society of India a hybrid meeting organised during 10-13 Dec 2020.
10. Chaired a scientific session in Imaging guided PCI in Andhra Pradesh Interventional Cardiology Conclave (APICC 2020), on online conclave organised during 28-30 Dec 2020.
9. Attended online WHO program about COVID-19 pandemic on 9th May, 2020.
10. Delivered an online talk on “Healthy life style” organized by IEEE, BMSCE, Bangalore during a short term training program on “Protecting against pandemic- Holistic approach towards health” on 8th June, 2020.
11. Participated in an online program for “Unity, Compassion and Love” organized by Heartfulness institute on International Yoga day on 21st June, 2020.

Dr V.Vanajakshamma, attended the following

1. Delivered a guest lecture on “Yoga and Cardiovascular health” during a workshop organized by Siddha clinical research unit at SVIMS, Tirupati on 3rd January, 2020.
2. Participated as panellist in a Workshop on “Work life balance” Organized by Indian Women Network (IWN) at Tirupati on 18th January 2020.
3. Conducted two programs on “Healthy lifestyle” and “Awareness about Heart diseases” at College of Engineering, SV University, Tirupati during 7th - 13th February 2020.
4. Attended one day CME on “Beautiful beginnings, Importance of first 1000 days of life” at Kanha Santhivanam, Hyderabad on 8th February 2020.
5. Conducted two programs on “Healthy lifestyle” and “Awareness about Heart diseases” at HRD, SV University, Tirupati during 11th and 12th February 2020.
6. Attended as Guest at Padmavathamma Nursing College, SVMC, Tirupati and delivered a talk on “Healthy lifestyle” on the occasion of International women’s day on 7th March, 2020.
7. Delivered a talk on “Healthy lifestyle” on the occasion of International women’s day at IMA, Tirupati on 8th March, 2020.
8. Attended as Guest at Amararaja group of organizations, Tirupati and delivered a talk on “Healthy lifestyle” on the occasion of International women’s day on 9th March, 2020.
12. Delivered 2 online talks on “Spirituality and health” and “Cardiovascular manifestations of COVID 19” at World united during 1st - 15th July, 2020.
13. Delivered a series of 5 online talks about “Yoga and Cardiovascular health” and “ECG” at National Medicos Organisation (NMO), South India Facebook chapter during 27th June, 5th July, 26th July, 16th August and 23rd August, 2020.
14. Attended an online certificate course on “Resilience in crisis” organized by Heartfulness institute during 4th - 9th August, 2020.
15. Delivered an online talk on “Yoga and Health” during a one week webinar on “Time to realize the energies/strengths within and surrounding you” Organized by AP State Council of Higher Education (APSCHE), Andhra University, Vishakhapatnam on 12th August, 2020.
16. Conducted online meditation session and Swasthya program to 950 AP Social welfare teachers during 12th August - 9th September, 2020 organized by Heartfulness institute.
17. Delivered a series of 3 online talks on “Meditation”, “Healthy lifestyle” and “Practical meditation sessions” organized by SPW Polytechnic College, Tirupati during 27th to 29th August, 2020.
18. Participated as delegate in West zone digital Pedi week organized by IAP during 15th -20th September, 2020.
19. Delivered an online talk on “Combating health issues during COVID 19” Organized by Dr YSR Horticulture University, Anantapur, Kadapa on 23rd September, 2020.

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20. Delivered an online talk on “Holistic approach to prevent Cardiovascular diseases” Organized on the occasion of World Heart day by Apollo College of Nursing, Chittoor on 29th September, 2020.
21. Conducted an online “Health awareness program” organized by Sri Venkateswara Employees Training Academy (SVETA), TTD, Tirupati on 30th September, 2020.
22. Participated in a panel discussion on “Managing pandemics” organized by Indian Institute of Public Administration (IIPA) on 21st October, 2020.
23. Delivered an online talk on “Traditional concepts of food revisited” Organized by Heartfulness circle, Osmania Medical College, Hyderabad on 23rd October, 2020.
24. Delivered a talk on Meditation during HET INSPIRE orientation program for AP Social Welfare department teachers on 04 Nov 2020.
25. Attended online workshop on “Lakshya 1000 days” organised by Indian Association of Pediatrics on 11th Nov 2020.
26. Delivered virtual talks on “Awareness on Cardiovascular Diseases” during 20 Nov 2020 & “Lifestyle” on 23 Nov 2020 at HRD, SV University, Tirupati.
27. Delivered a virtual talk on “Meditation in Cardiovascular disorders” at APCSI on 28th Nov 2020.
28. Delivered a talk on “Connect with Spirituality” at Indian Women Network on 28th Nov 2020.
29. Delivered a talk on Meditation during HET INSPIRE orientation program for Khammam district teachers on 07 Dec 2020.
30. Delivered a talk on “Recent advances in prevention and management of Cardiovascular diseases” at SV Veterinary University, Tirupati on 18 Dec 2020.
31. Delivered a talk on “Ancient concepts of food - revisited” at Nellore Heartfulness Circle on 20 Dec 2020.

Dr C.Nagaraja Reddy, Dr Rajanaga Mahesh, Dr V Ravindra Dev, Dr Raghuram attended MMM Clinical Cardiology update held at Chennai during 17-19 January 2020.

1. **Dr B. Raghuram**, Senior Resident, attended PG Teaching programme-Speed 2020 held at Bangalore during 15-16 February 2020.

Dr.P.Sumanth Reddy, Dr.T.Suresh Babu attended ACC – India Cardiovascular Symposiums at Mumbai during 18-19 January 2020.

1. **Dr S. Praveen Kumar Reddy**, Assistant Professor, attended Back to Basics Conference at Kerala during 1-2 February 2020.
2. Dr T. Suresh babu, Assistant Professor, attended ACC-India Cardiovascular Symposiums at New Delhi during 28-29 February 2020

Dr.P.Chandrasekhar Reddy, Dr.G.Ram Pavan Kumar & Dr.Y.Madhava Naidu attended APCSI – 2020 Virtual Conference during 27-29th November 2020

Dr.P.Chandrasekhar Reddy, Dr.G.Ram Pavan Kumar & Dr.Y.Madhava Naidu attended CSI – 2020 Virtual Conference during 6-13th December 2020

6.5 Presentations by Postgraduate students

1. **Dr Chandrasekhar Reddy P**, presented a Paper titled “Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy” in APCSI-2020 Virtual Conference during 27-29 November 2020.
2. **Dr Chandrasekhar Reddy P**, presented a Poster titled “Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy” in CSI-2020 Virtual Conference during 6-13 December 2020.
3. **Dr Rampavan Kumar G**, presented a Paper titled “Assessment of right ventricular strain and strain rate before and after percutaneous atrial septal defect closure” in APCSI-2020 Virtual Conference during 27-29 November 2020.
4. **Dr Rampavan Kumar. G**, presented a Poster titled “Assessment of right ventricular strain and strain rate before and after percutaneous atrial septal defect closure” in CSI-2020 Virtual Conference during 6-13 December 2020.
5. **Dr Madhava Naidu Y**, presented a Paper titled “Utility of global longitudinal strain and strain rate

imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction” in APCSI-2020 Virtual Conference during 27-29 November 2020.

6. **Dr Madhava Naidu Y**, presented a Poster titled “Utility of global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction” in CSI-2020 Virtual Conference during 6-13 December 2020.

6.6 Publications

1. **Raghuram Bollineni, Durgaprasad Rajasekhar, Vanajakshamm Velam, Harini Devi N.** Correlation of Spot Urine Protein Creatinine Ratio with Angiographic Disease Severity in Non-Diabetic Stable Coronary Artery Disease, IJSR Volume 9 Issue 4, April 2020, 934-937.
2. **Sudhakar Reddy P, Rajasekhar D, Vanajakshamma V, Lakshmi A.Y. Latheef Kasala.** Correlation of coronary artery calcium score and carotid artery intima-media thickness with severity of coronary artery disease. J Cardiovasc Thorac Res, 2020.
3. **Vanajakshamma V, Latheef K, Rajasekhar D, Aparna R Bitla.** Assessment of healthy lifestyle and wellbeing status among the employees of a tertiary care hospital. J NTR Univ Health Sci 2020; 9(1): 20-4.
4. **Nagaraja Reddy C, Vanajakshamma V, Rajasekhar D.** Electrocardiographic identification of culprit coronary artery and its correlation with angiographic culprit lesion in patients with acute ST-elevation myocardial infarction. International Journal of Scientific Research 2020; 9(5). DOI: 10.36106/ijsr
5. **Ravindra Dev V, Rajasekhar D, Vanajakshamma V.** Left Ventricular longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy. J Med Sci Clin Res. 2020; 8(3): 361-4.
6. **Naga Narasimha Reddy M, Vanajakshamma V, Rajasekhar D, Sreenivasa Reddy D, Ravindra Dev D.** Value of ST-segment elevation in lead aVR

in non ST-elevation myocardial infarction/unstable angina in predicting disease extent, severity and outcomes. Ind J Appl Res. 2020; 10 (9): 1-3.

7. **Praveen Kumar Reddy S, Vanajakshamma V, Rajasekhar D, Narendra Ch, Raja Naga Mahesh M, Madhava Naidu Y.** Assessment of Immediate Effects of Percutaneous Balloon Mitral Valvuloplasty on Right Ventricular and Pulmonary Functions in Severe Rheumatic Mitral Stenosis Patients using Speckle Tracking Echocardiography and Spirometry. J Cardiovasc Thorac Res 2020; 12(4): 280-85.

8. New-generation ultrathin strut (60)

Accepted for Publication

1. **Raja Naga Mahesh, Durgaprasad Rajasekhar, Vanajakshamma Velam, Sureshbabu Tupakula.** Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis. IJSR.

6.7 CMEs/Seminars/Workshops/Orations conducted by the department

Work Shops

1. A Workshop on EP+RFA was conducted on 22nd February-2020 with Dr Yogesh Kothari, from Bangalore.
2. A Workshop on EP+RFA was conducted on 7th November-2020 with Dr Yogesh Kothari, from Bangalore.
3. A Workshop on ASD, VSD and PDA Device closures was conducted from 27th to 28th November, 2020 by the department, SVIMS, with Dr Edwin Francis, from Kochi, Kerala.

Orations

1. Twelfth Annual Cardiology Chair Gold medal oration was organised on 22nd January 2020. Dr K.G. Balakrishnan, former Dean & former Professor and Head, Department of Cardiology, SCTIMST, Thiruvananthapuram. He spoke on “Metamorphosis of Cardiology in the past five decades of my practice - ring side view with recollections”.

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Visitors to the Department

The following Cardiologists visited the Department during the year 2020:

1. Dr Yogesh Kothari, Apollo Hospitals, Bangalore.
2. Dr Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala.
3. Dr K.G. Balakrishnan, SCTIMST, Thiruvananthapuram.

6.8 Other academic activities

1. Dr D. Rajasekhar Examiner for DM Cardiology at 3 universities across India this year
2. Dr D. Rajasekhar Inspector for National Medical Commission this year
3. Dr D. Rajasekhar Member of National Governing Council of Indian college of Cardiology.
4. Dr D. Rajasekhar External expert for evaluation of research projects of Rajeev Gandhi university of Health Science Karnataka.
5. Dr D. Rajasekhar Examiner for DNB Cardiology exit exam of National Board of Examinations.
6. Dr D. Rajasekhar Selected Examiner for FNB (Interventional Cardiology) by National Board of Examinations.
7. Dr D. Rajasekhar served as a member Indian Medical Association state executive committee.
8. Dr D. Rajasekhar served as a member Academic Senate of SVIMS.
9. Dr D. Rajasekhar served as a member of Institutional Ethics Committee of SVIMS.
10. Dr D. Rajasekhar served as a member of the Research Committee of SVIMS.
11. Dr D. Rajasekhar served as a member of thesis evaluation Committee of Superspeciality post graduates of SVIMS.
12. Dr D. Rajasekhar served as a member high value purchase committee of SVIMS.
13. Dr D. Rajasekhar Chairman Disciplinary and Grievance cell of SVIMS.

14. Dr D. Rajasekhar Chairman Dr YSR Arogyasri Coordination committee of SVIMS.
15. Dr V. Vanajakshamma, Editorial board member of Indian Journal of Cardiovascular disease in Women.
16. Dr V. Vanajakshamma, Editorial Board Member, NMO journal.
17. Dr V. Vanajakshamma, Officiated as Guest faculty at Academy of Grassroots Studies and Research of India (AGRASRI), Tirupati.
18. Dr V. Vanajakshamma, Officiated as Assessor for recognition and renewal of DM Cardiology course by Medical Assessment & Rating Board (MARB), National Medical Commission (NMC).
19. Dr V. Vanajakshamma, Officiated as DM Cardiology Examiner for Madras Medical College, Chennai.
20. On the occasion of World Heart Day on 29.09.2020 a public awareness Program on various Heart diseases was organized by the Department of Cardiology in Padmavathi OP Block.

Statistics 2020

PARTICULARS	TOTAL NUMBER 2020
Out Patients	28931
In Patients	2905
ECG	51537
Echo	13243
TMT	461
Holter	397
TEE	61
CAG	1609
Total PTCA	931
Primary PTCA	63
Valvuloplasty	20
Device closures	18
EP+RF Ablations	22
PPI	63
TPI	164
IVC Filter	1
ICD	Nil
CRT	Nil
Total Interventions	1055
Interventional mortality (13/1055)	1.23%

7.0 DEPARTMENT OF CARDIOTHORACIC SURGERY

Professor & Head

Dr Abha Chandra

Faculty

Dr K. Sudhakar Rao

Dr Vinod Bhan

Dr D. Sri Satyavathi

Dr G.Kiran

Junior Resident

Dr AB. Naveen Kumar

7.1 Awards Achievements and Felicitations

Dr Abha Chandra,

- 1 Has been awarded the Certificate of Excellence in reviewing in recognition of an outstanding contribution to quality of the Journal (Asian Journal of Case reports in Medicine and Health).
- 2 Has been bestowed with the “Best Reviewer” award for the Indian Journal of Thoracic and Cardiovascular Surgery for the year 2020.
- 3 Has been conferred with the “Meherji Mehta Memorial oration 2021” for avowing experience and service rendered in the speciality of Cardiovascular Surgery. The title of presentation is “Surgical Treatment of Tuberculosis Past and Present - A tertiary Care institutional Experience of Over 25 years”. The oration shall be delivered at the Virtual 67th Annual Conference of IACTS 2021 (27th – 28th Feb.).
- 4 Has been given the Recognition for her peer reviews – past and present by the PUBLONS, for Asian Cardiovascular and Thoracic Annals has given official recognition for the peer reviews she has performed in Publon journals in the past year. They have found it to be of valuable contribution to research.
- 5 Has been added to the web of science by the Publon with an ID: new Web of Science Researcher ID is [AAE-3959-2020](#).

Membership

1. Life member of Thoracic Endoscopy Society.

7.2 Publications

Dr.ABHA CHANDRA

1. She has co-authored a research paper on “Chronic persistent surgical pain is strongly associated with COMT alleles in patients undergoing cardiac surgery with median sternotomy.” Goduguchintha Dharaniprasad, Alok Samantaray, Mangu Hanumantha Rao · [Abha Chandra](#) · Potukuchi Venkata Gurunadha Krishna Sarma General Thoracic and Cardiovascular Surgery, Feb. 2020. 10.1007/s11748-020-01321-6.
2. She authored a case report: “Arterial and Venous thrombosis in a patient of COVID-19 : A Unique Presentation” which has been accepted for presentation in The National Medical Journal of India.(Manuscript No. nmji_818_20). [Chandra A](#), Mohan A , Bhargava KM , Alok Samantaray , Naveen Kumar AB , and Jasmitha K .

7.3 Research Projects associated with other Departments:

Dr. ABHA CHANDRA is co guide for the following research Projects

1. Principal Investigator: Dharni Prasad G M.Sc, Pg. Dip. Physician Asst (Ph.D.). Department of Anaesthesiology Awarded Ph.D. 2020 Title: “The influence of G472A Polymorphism of membrane bound Catechol-O Methyltransferase gene on

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chronic persistent surgical pain in patients undergoing open heart surgeries with median sternotomy”.

- Principal Investigator : Dr. G Sandhya (M.D. Transfusion Medicine) A study to formulate Maximum Surgical Blood order schedule at a tertiary care referral teaching Institute in Andhra Pradesh, South India.

Thesis work going on in the Department in collaboration with other departments for the award of the Ph.d degree

- Principal Investigator:** Dr.Senthil Kumar(Ph.D CV Physiotherapy)

Chief Guide: Dr.Abha Chandra

Title: “A study of early mobilization of the patients undergoing coronary artery bypass grafting”. submitted. Viva pending.

- Principal investigator:** N.Kavitha, Tutor, College of Physiotherapy , SVIMS.

Chief Guide: Dr.Abha Chandra

Title: “ To study establish and affirm the excise protocol and its correction to the INR (international Normalized ratio) and cardio –respiratory fitness in post surgical valve replacement individuals”.

- Principal investigator:** M.Suresh Kumar, Tutor College of Physiotherapy, SVIMS

Chief Guide:Dr.Abha Chandra

Title:”The impact of TENS (Transcutaneous electrical Nerve stimulation) and graded exercise in individuals with subacute peripheral arterial disease in the lower Limb.”

7.4 Conferences and workshops attended, Lectures delivered

Prof.Abha Chandra attended the following

International

- Participated at the 34th Annual Meeting EACTS European Association for Cardio Thoracic Surgery (Virtual Meet) EACTS House, Madeira Walk, Windsor SL4 1EU, UK during 8th – 10th October, 2020.

- Participated at the 9 International Aortic Summit (virtual Aorto vascular symposium) held virtually during 12th -13th December, 2020
- Participated and interacted at the World Federation of Cardiac Imaging and clinical Cardiology (WFCICC) and World Congress of Cardiac imaging and Clinical Cardiology (WCCICC) on chronic Coronary Syndrome (CCS); Current Concept and Its future Directions on 20th December 2020.
- Participated and interacted at the Virtual meet of the Asian Pacific Society of Cardiology (European Board for Accreditation in Cardiology) (EABC) : Cardiac Contractility Modulation therapy (CCM) for Heart Failure on 7th January 2021.

National

- Attended as a faculty at the Annual conference of the American College of Surgeons India Chapter 2020,(GURUKKUL ACSCON – 2020) in New Delhi (India) during 2nd – 5th January 2020, She **delivered a lecture on “Sealants and Hemostasis”**.
- Attended “2nd Annual National Conference of Indian Society of Thoracic Surgeons ISTSCON 2020 at National Institute of Tuberculosis and Respiratory Diseases, New Delhi, India during January 18th and 19th 2020.She participated as a faculty for the theme of “Transition of Thoracic Surgery from Conventional to Minimally Invasive Surgery Challenges and Opportunities Ahead” She **delivered a lecture on “Approach to a patient with recurrent hemoptysis”**.
- Attended as Faculty 66th Annual conference of Indian Association of Cardiovascular Thoracic Surgeons, IACTSCON 2020 held at The Forum, Ahmedabad from 6th to 9th February, 2020. She **delivered a lecture on “Medical Thoracoscopy”**
- Participated in Pre-Conference Workshop as a Faculty during Mid term Annual Conference of Indian Association of Surgical Oncology (MIDCON IASO 2020) held at Sri Padmavathi Auditorium, SVIMS, Tirupati on 28th February 2020.
- Participated as Faculty at the first Virtual Midterm VSICON meet of Vascular Society of India on 27th September 2020

Sri Venkateswara Institute of Medical Sciences

6. Participated VSICON 2020 Virtual Annual Conference of the Vascular Society of India held during 27th – 29th November, 2020
7. Participated Vascular Imaging India 2020 (Cardiovascular Therapeutics Digital edition on 5th December.
8. Participated the IMA Kakinada and Dr. NVS Nayudu Health Education trust Live webinar on IMA Kakinada CME and Dr. NVS Nayudu Oration on 12th December 2020 from 9.00 AM to 8.30 AM.
9. Participated at the Sanjay Gandhi Postgraduate Institute of Medical Sciences Alumni Day 2020 on 13th December 2020 (Virtual Meet).
10. Participated as a Faculty at the Annual Virtual meet of the ASICON 2020 on 18th December 2020. She Chaired a session on “ N.L. Bordia Oration”

Conferences attended

Prof. K. Sudhakar Rao

1. *Prof. K. Sudhakar Rao* participated the IMA Kakinada and Dr. NVS Nayudu Health Education trust Live webinar on IMA Kakinada CME and Dr. NVS Nayudu Oration on 12th December 2020 from 9.00 AM to 8.30 AM.

Dr. Vinod Bhan

1. Attended 66th Annual conference of Indian Association of Cardiovascular Thoracic Surgeons, IACTS 2020 as Delegate held at the Forum, Ahmedabad from 6-9th February, 2020 .
2. Participated 9th perioperative Echo Webinar (Medanta Heart Institute department of cardiac Anaesthesiology) during 2nd -4th December, 2020.
3. **Dr.D SriSatyavathi** The IACTS master classes on various congenital and acquired cardiac diseases organized by the Indian Association of Cardiovascular and Thoracic Surgeons since April 2020 with regular classes on Saturday and Sunday by distinguished National and International faculty in Cardiothoracic and Vascular surgery till December 2020

21/6/2020 - Webinar on Surgical management of MAPCAS by Dr David , Barron

Professor and chief , university of sick kids , Toronto

18/7/2020 - webinar on “Bootcamp on Sequential Segmental Analysis with Prof. R.H Anderson”.University college , London , UK

22/8/2020 - Webinar on “ Bootcamp on Double outlet Right Ventricle with Prof. R.H Anderson”.University college , London , UK

23/8/2020 – Webinar on REDO CORONARY ARTERY BYPASS SURGERY

29/8/2020 – Webinar on “ Bootcamp on Transposition of Great arteries with Prof. R.H Anderson”.University college , London , UK

30/8/2020 – Webinar on Congenital Heart disease by Professor TR Karl

24/9/2020 – Webinar on AS virtuals - Algorithms in Carotid Interventions

3/10/2020 – Webinar on Statistics by Prof KS IYER

17/10/2020 – Webinar on “ Bootcamp on Common Arterial Trunk with Prof. R.H Anderson”University college , London , UK

24/10/2020 – Webinar on “ Bootcamp on Atrioventricular septal defects with Prof. R.H Anderson”University college , London , UK

16.10.2020- Online symposium on Building Aortic Resilience across geographies - BAR Summit

1/11/2020- MAX HEART VALVE SYMPOSIUM by Abbott India

5/11/2020 – Surgical Management of Sequelae of Myocardial Infarction by Ethicon cardiovascular Master series

9.12.2020- Master class on TOTAL AORTIC ARCH REPLACEMENT OF DAVID SURGERY

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10.12.2020- Surgical Management of Acute Aortic Dissections: Tricks and Tips by CTS NET

16.12.2020 – Participated in online “Bengaluru live valve congress 2020” organised by Narayana Hrudayalaya , Bengaluru .

21.1.2021 – Participated in online “Mechanical Support in Mechanical Complications of MI by Merrill India “

7.5 Any Other Academic Activities

Session Chaired

Dr Abha Chandra attended the following

1. As a faculty at the Annual conference of the American College of Surgeons India Chapter 2020,(GURUKKUL ACSCON – 2020) in New Delhi (India) during 2nd – 5th January 2020, She **Chaired a session on Vascular Surgery.**
2. As a faculty and chaired a session “2nd Annual National Conference of Indian Society of Thoracic Surgeons ISTSCON 2020 at National Institute of Tuberculosis and Respiratory Diseases, New Delhi, India during January 18th and 19th 2020. She participated as a faculty for the theme of “Transition of Thoracic Surgery from Conventional to Minimally Invasive Surgery Challenges and Opportunities Ahead”. She **chaired a session of “Paediatric Thoracic Surgery”**
3. As a Faculty 66th Annual conference of Indian Association of Cardiovascular Thoracic Surgeons, IACTSCON 2020 held at The Forum, Ahmedabad during 6th - 9th February, 2020. She Chaired a session in thoracic surgery. She **participated in DEBATES IN THORACIC SURGERY: Multiseptate pleural effusion: Open V/s VATS Decortication**

4. Participated in Pre-Conference Workshop as a Faculty during Mid term Annual Conference of Indian Association of Surgical Oncology (MIDCON IASO 2020) held at Sri Padmavathi Auditorium, SVIMS, Tirupati on 28th February 2020. She **Chaired a session on Lung Cancer.**
5. Participated as a Faculty at the Annual Virtual meet of the ASICON 2020 on 18th December 2020. She Chaired a session on “ N.L. Bordia Oration”

Miscellaneous: Professor Abha Chandra

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. M. Ch (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. Reviewer for Indian Journal of thoracic and cardiovascular surgery, Asian Annals of Cardiovascular Surgery, Indian Journal of surgery and Asian Journal of Case reports in Medicine and Health

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. M. Sunitha

Tutors

Dr N. Sulochana

Dr P.Sivasankar

Dr B.Krishnaveni

Dr K.Munaswamy

8.1 Awards, achievements and felicitations

Dr K.Nagaraj, Professor & Head

1. Has assisted District Surveillance team in Chittoor District in contact tracing and in usage of rapid diagnostic kits during Covid 19 pandemic.
2. Has worked as member of Technical committee appointed by Government of Andhra Pradesh to study and analyse CLIA results as part of sero-surveillance of covid-19 in Andhra Pradesh.
3. Has worked as epidemiologist to advise on sero-surveys on covid-19 which were conducted in different districts of Andhra Pradesh.
4. Has Completed Basic course in Biomedical Research as mandated by the National Medical Commission (NMC).

Dr Anju D Ade,

1. Has received DrAPJ Abdul Kalam Eminent Professor award on 15th OCT 2020, Tirupati
2. Successfully completed Basic course in Biomedical Research as mandated by the National Medical Commission (NMC)

Dr D S Sujith Kumar,

1. Successfully completed with a consolidated score of 92 percentage in Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute

of Epidemiology, Chennai during March to July 2020.

2. Had scored 91 percentage in Proctored examination on Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute of Epidemiology, Chennai on 20 December 2020.
3. Successfully completed Certificate course in public health leadership skills in COVID 19 era conducted by The Indian Academy of Public Health, Indian Public Health Association during July to August 2020.
4. Successfully completed 82nd National Course on Educational Science for Teachers of Health Professionals conducted by National Teachers Training Centre, JIPMER, Puducherry during 10 – 15 February 2020.
5. Successfully completed Curriculum Implementation Support Program conducted by Centre for National Faculty Development, MCI Regional Centre, CMC, Velloreduring 25 – 26 February 2020.

Dr D.Ravi Sankar

1. Has appeared for the online examination to clear “Basic Course on Biomedical Research” a certificate course conducted by National Programme on Technology Enhanced Learning (NPTEL) Government of India which is mandated by ICMR on 20-12-2020 at iON digital zone iDZ Zoopark Tirupati between 2 - 5 PM.

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2. Has successfully completed Curriculum Implementation Support Programme-2 at SVIMS- Sri Padmavathi Medical College for Women, Tirupati from 28.09.2020 to 29.09.2020.
3. Had scored 92percentage in Proctored examination on Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute of Epidemiology, Chennai on 20 December 2020
6. Received certificate for successfully completing the online course on “Research & Ethics Committee” held in May 2020 by St John’s Medical College & Research Institute, Bangalore, India.
7. Awarded certificate with distinction “Teach to Reach Level 1 certification” to improve immunization training from The Geneva Learning Foundation organized from March to April 2020.

Dr Chandrasekhar Vallepalli

1. Has awarded the certificate from **ICMR-NIE, Chennai** for successfully completing the course on “**Basic Course in Biomedical Research**” with a consolidated score of **95%** through NPTEL / Swayam portal of Ministry of HRD, Govt. of India in March to June 2020 session.
2. Has awarded “WHO Scholar Level 2 certification” on data triangulation for improved decision making in immunization programmes course conducted by the World Health Organization from March to May 2020.
3. Under the guidance of **DrChandrasekhar Vallepalli**, Ms. Obullam Srisai student of MBBS-III of SVIMS- Sri Padmavathi Medical College for Women, Tirupati has been awarded the **Indian Council of Medical Research (ICMR) Short Term Studentship (STS)** 2019 for the project entitled, “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” (Ref. No. 2019-00831) and received completion certificate in 2020.
4. Received the “**Quiz Maker certificate**” for his contribution to National Quiz on Nutrition and Health of “1st Online National Conference on Nutrition and Health 2020” organized by the Department of Community and Family Medicine, AIIMS, Mangalagiri, Andhra Pradesh, India during 12th and 13th September, 2020.
5. Received certificate for successfully completing the online course on “Grant Management for Health and Social Science Researchers” held in May 2020 by St John’s Medical College & Research Institute, Bangalore, India.
8. Received the certificate of Achievement from NIMHANS, Bangalore for successfully completing the “Diploma in Community Mental Health” (DCMH) for Doctors course with a Final score of 97% through **NIMHANS Digital Academy** in September 2019 to January 2020 session.
9. Has been shortlisted as NPTEL Translator for Telugu language with translator ID Tran0889 by NPTEL - A Project funded by MHRD, Govt. of India in 2020.
10. Received Certificate of Appreciation from NPTEL/ SWAYAM-A Project funded by MHRD, Govt. of India for translating the files of the course ‘TALE 2: Course Design and Instruction of Engineering course’ (Multidisciplinary course) offered by IISC Bangalore in Telugu language on 29th August 2020.
11. Received Certificate of Appreciation from NPTEL/ SWAYAM-A Project funded by MHRD, Govt. of India for reviewing the files of the course ‘Health Research Fundamentals’ (Multidisciplinary course) offered by ICMR – National Institute of Epidemiology, Chennai in Telugu language on 23rd August 2020.
12. Has been proposed as one of the Andhra Pradesh State OR interim Committee member by Andhra Pradesh State OR Committee Chairman and was approved by Joint Director (TB) & State TB Officer, Andhra Pradesh.
13. Successfully completed “Curriculum Implementation Support Program - II (CISP-II)” conducted by MEU of SVIMS, Sri Padmavathi Medical College for Women, Tirupati under the aegis of MCI Nodal Centre for National Faculty Development, Christian Medical College, Vellore on 28th & 29th September 2020.

14. Successfully completed “Revised Basic Course workshop and training in Attitude, Ethics & Communication (AETCOM)” at the MCI Nodal Centre for National Faculty Development, Christian Medical College, Vellore, Tamil Nadu from 3rd to 5th March 2020.
15. Received Certificate of Dedication for promoting “Safety against COVID-19” awareness program and for his best practices on prevention of Coronavirus Disease as specified by World Health Organization (WHO) from All India Institute of Public & Physical Health Sciences (AIIPPHS).
16. Successfully completed “Certificate Course on Public Health Leader Leadership Skills in COVID 19 Era” Conducted by the Indian Academy of Public Health, Indian Public Health Association (IPHA) during 25th July 2020 to 29th August 2020.
17. Successfully completed ISTE Sponsored Five Days Short Term Training Program on “Environmental Impacts of COVID-19 Pandemic: Challenges and Remedies through Science & Engineering” during 27th to 31st July, 2020 organized by the Department of Applied Science, PIET Jaipur in association with RTU Kota.
18. Has successfully completed 2020 BLS Instructor Update of American Heart Association (AHA) as BLS Instructor. (Certificate Number: IMP202J2CVK7) on 18th November 2020.
19. Received Record of Achievement for his participation on “Standard precautions: Hand hygiene” under Health Emergencies programme conducted by World Health Organization (WHO) on June 3, 2020.
20. Received Record of Achievement for his participation on “Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control” under Health Emergencies programme Conducted by World Health Organization (WHO) on April 15, 2020.
21. Received Record of Achievement for his participation on “COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response” under Health Emergencies programme Conducted by World Health Organization (WHO) on April 17, 2020.
22. Received Record of Achievement for his participation on “Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)” under Health Emergencies programme Conducted by World Health Organization (WHO) on April 20, 2020.
23. Received Record of Achievement for his participation on “Severe Acute Respiratory Infection (SARI) Treatment Facility Design” under Health Emergencies programme Conducted by World Health Organization (WHO) on May 22, 2020.
24. Received Record of Achievement for his participation on “Clinical Care Severe Acute Respiratory Infection” under Health Emergencies programme Conducted by World Health Organization (WHO) on May 22, 2020.
25. Received Record of Achievement for his participation on “ePROTECT Respiratory Infections (EN)” under Health Emergencies programme Conducted by World Health Organization (WHO) on June 22, 2020.
26. Successfully completed “Certificate Course on COVID-19 – Awareness and Management” Conducted by Medvarsity in partnership with NATHEALTH & FICCI on 3rd April 2020.
27. Successfully participated in the World Sepsis Congress Spotlight: Sepsis, Pandemics, and Antimicrobial Resistance- Global Health Threats of the 21st Century co-organized by the World Health Organization (WHO) and the Global Sepsis Alliance on 09th September 2020
28. Successfully completed the “Comprehensive COVID-19 Training for Health Care Workers” conducted by FOGSI, Safe Motherhood Committee in collaboration with AIIMS, New Delhi supported by WHO Country Office for India held during 17th – 19th August, 2020
29. Successfully completed the online certificate course titled “Resilience in Crisis” from 4th to 9th August 2020 and has learnt the essential practices of Heartfulness Meditation for Self Learning and Development conducted by Heartfulness Learning Centre.

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Dr G.Visweswara Rao

1. 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 2020**.
2. Received Record of Achievement for his participation on "Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control" Conducted by WHO on April 30, 2020.
3. Received Record of Achievement for his participation on "Standard precautions: Hand hygiene" conducted by WHO on April 30, 2020.
4. Received confirmation of participation on "COVID-19; How to put on and remove personal protective equipment (PPE) conducted by WHO on July 21, 2020.
5. Successfully completed Curriculum Implementation Support Programme-2 at SVIMS-Sri Padmavathi Medical College for Women, Tirupati from 28.09.2020 to 29.09.2020.
6. Successfully completed with a consolidated score of 96percentage in Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute of Epidemiology, Chennai during March to July 2020.
7. Had scored 96percentage in Proctored examination on Basic Course in Biomedical Research as mandated by National Medical Commission and conducted by National Institute of Epidemiology, Chennai on 20 December 2020.
8. Under the guidance of **Dr G.Visweswara Rao**, Assistant Professor, Ms. C.V.Mounika student of MBBS-III of SVIMS- Sri Padmavathi Medical College for Women, Tirupati has been awarded the **Indian Council of Medical Research (ICMR) Short Term Studentship (STS) 2019** for the project entitled, "Study of life style disease risk factors among high school students in Tirupati: A base line

study for intervention" (Ref. No. 2019-00987) and received completion certificate in 2020.

8.2 Research Projects

Research Projects completed

National

1. **Principal Investigator: Dr Anju D. Ade.** Title: "School environment and sanitation: A comparative study".
Funding: No Funding.
2. **Principal Investigator: Dr Anju D. Ade.** Title: "A comparative study of school health services in South India".
Funding: No Funding.
3. **Dr Chandrasekhar Valleppalli is Co-Investigator / Guide** for the Indian Council of Medical Research (ICMR) Short Term Studentship (STS) 2019 research project entitled "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" (Ref. No. 2019-00831) which is a self funded research project.
4. **Dr Chandrasekhar Valleppalli is Co-Investigator / Guide** for the research project titled "Nutritional Status of Children aged 2 to 5 years in Urban Field Practice area of a Medical college in Tirupati, Andhra Pradesh" which is a self funded research project.
5. **Dr G. Visweswara Rao**, Assistant Professor is received certificate as **Guide** for ICMR STS-2019 completed research project titled "Study of life style disease risk factors among high school students in Tirupati: A base line study for intervention" in December 2020.

Ongoing Research Projects

1. **Principal Investigator: Dr K.Nagaraj**, Professor & Head, Co-Investigators: Dr Anju D. Ade, Dr D S Sujith Kumar, Dr Ravi Sankar Deekala, Dr Chandrasekhar Valleppalli, Dr G. Visweswara Rao, Title: "Morbidity Status and Socio-cultural profile of population in villages near tailing pond of

- Uranium Corporation of India, Thummapalli, Kadapa District – A Cross-sectional study”. Funded by Andhra Pradesh Pollution Control Board.
 2. **Principal Investigator:** Dr K.Nagaraj, Professor & Head, Co-Investigators: Dr Anju D. Ade, Dr D S Sujith Kumar, Dr Ravi Sankar Deekala, Dr Chandrasekhar Valleppalli, Dr G. Visweswara Rao, Dr TVD Prathysha. Title: “Improving the Health Care Access among scheduled tribes: An “Implementation Research in Chittoor District, Andhra Pradesh”. Funding Agency: ICMR
 3. **Principal Investigator:** Dr K.Nagaraj, Professor & Head, Co-Investigators: Dr Anju D. Ade, Dr D S Sujith Kumar, Dr Ravi Sankar Deekala, Dr Chandrasekhar Valleppalli, Dr G. Visweswara Rao, Dr TVD Prathysha. Title: “Self Care Practices and Quality of Life among Diabetic patients in rural area of Chittoor District, Andhra Pradesh” Funding Agency: MRHRU, Chandragiri, ICMR, Dept of Health Research.
 4. **Dr Nagaraj Kondagunta acting as Guide** to Dr Navya Keertana, Research Associate for the research project entitled “*Research project entitled “Socio-demographic, health, nutritional vulnerability and Prakriti assessment among the elderly in Chittoor District, Andhra Pradesh: a cross sectional study.”* Funding Agency: ICMR
 5. **Principal Investigator:** Dr Anju D. Ade, Title: “Personal hygiene and hand-washing practices among rural students”.
 6. **Co- Investigator: Dr Ravi Sankar Deekala**, Associate Professor, Title: “Knowledge Attitude, and Practice breast feeding among postnatal mothers in rural areas of Tirupati, Andhra Pradesh”.
 7. **Dr Chandrasekhar Valleppalli** is Co-Investigator / Guide for the Indian Council of Medical Research (ICMR) Short Term Studentship (STS) 2020 shortlisted research project entitled “Prevalence and Risk Factors of Anemia among Individuals with Type 2 Diabetes Mellitus in Urban Slums of Tirupati city: An Overlooked Association” which is a self funded research project.
 8. **Co-Principal Investigator:** Dr Chandrasekhar Valleppalli, Assistant Professor, Title: “Health Status of Orphan Children Residing in Orphanages of Chittoor District” funded by Model Rural Health Research Unit (MRHRU), Chandragiri under aegis of ICMR, New Delhi
 9. **Co- Investigator:** Dr G. Visweswara Rao, Assistant Professor, Title: “Health Status of Orphan Children Residing in Orphanages of Chittoor District” funded by Model Rural Health Research Unit (MRHRU), Chandragiri under aegis of ICMR, New Delhi
 10. **Co- Investigator:** Dr G. Visweswara Rao, Assistant Professor, Title: “Improving the Health care access for achieving universal Health coverage (UHC) among scheduled tribes: An Implementation Research in Chittoor District, Andhra Pradesh” funded by ICMR, New Delhi.
 11. **Co- Investigator / Guide:** Dr G. Visweswara Rao, Assistant Professor, Title: “A study on Nutritional status among Adolescent girls in rural areas of Tirupati ”
- ### 9.3 Conferences attended, lectures delivered
- #### International:
- Dr Chandrasekhar Valleppalli** attended
1. The **International Conference** on “COVID-19” organized by the department of community medicine, Smt. Kashibai Navale Medical College and General Hospital, Narhe, Pune on 18th and 19th December 2020.
 2. **International conference** on “Bounce back in 2020 - To New normal with Covid-19 and POST-COVID Pandemic - Virtual International conference on 3rd October, 2020 by Sri Ramachandra Institute of Higher education and Research.
 1. **Dr G. Visweswara Rao**, Assistant Professor attended **International conference** on “Bounce back in 2020-To New normal with Covid-19 and POST-COVID Pandemic-Virtual International conference on 3rd October, 2020 by Sri Ramachandra Institute of Higher education.

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National:

1. **Dr K Nagaraj**, Chaired a scientific session in National Conference on Nutrition and Health on September 12 and 13 conducted by AIIMS, Mangalagiri.

Dr Anju D Ade

2. 47th National Conference of IAPSM and presented a poster titled 'School environment and sanitation: A comparative study' on 29 January 2020 held at Institute of Community Medicine, Madras Medical College, CHENNAI, 28-30 January 2020.
3. As Delegate in the 1st Online National Conference on Nutrition and Health 2020 organized by the Department of Community and Family Medicine, All India Institute of Medical Sciences Mangalagiri, Andhra Pradesh, India.

Dr D S Sujith Kumar attended the following

1. Virtual National Symposium on Mentoring in Medicine conducted by Sri Siddhartha Institute of Medical Sciences & Research Centre, T Begur, Bengaluru Rural online during 20 - 21 November 2020.
2. Public Health Masterclasses on Quality Management in Healthcare conducted by IPHA West Bengal Branch during 7-9 November 2020.
3. The National Health Conference on Nutrition and Health 2020 conducted by AIIMS, Mangalagiri and was judge for the poster presentation online during 12-13 September 2020.
4. International Health Humanities Conference on the theme, Designing Pedagogy for Medical Humanities conducted by Sri Siddhartha Institute of Medical Sciences & Research Centre, T Begur, Bengaluru Rural online during 10- 12 September 2020.
5. Virtual Symposium on E Learning Development, Delivery and Assessment conducted by Sri Siddhartha Institute of Medical Sciences & Research Centre, T Begur, Bengaluru Rural online during 23 - 25 July 2020.
6. Acted as Resource faculty for the Second Phase Curriculum Implementation Support Program [CISP II] conducted at SVIMS-Sri Padmavathi Medical

College for Women, Tirupati under the aegis of Medical Council of India Nodal Centre for National Faculty Development, Christian Medical College, Vellore during 28-29 September 2020.

Dr Chandrasekhar Valleppalli attended the following

1. The "47th Annual National Conference of IAPSM" organized by Institute of Community Medicine, Madras Medical College & presented a poster titled "Dietary Habits and Drug Pattern associated with Diabetes Mellitus among Urban Population of Eluru" at Mahabalipuram, Tamilnadu, during 28th to 30th January, 2020
2. As a delegate in "1st Online National Conference on Nutrition and Health 2020" organized by the Department of Community and Family Medicine, All India Institute of Medical Sciences Mangalagiri, Andhra Pradesh, India on 12th and 13th September, 2020 and received the "Quiz Maker certificate" for the contribution to National Quiz on Nutrition and Health during the conference.
3. The National Conference on "Siddha Science for Preventive and Promotive Health" organized by the Central Council for Research in Siddha (CCRS) on 13th January, 2020 at Chennai, Tamilnadu.
4. The online National Conference on "Nutrition in Diabetes" organized by the department of community medicine, Krishna Institute of Medical Sciences, Karad on 27th and 28th October 2020.
5. The 19th GDBP digiCON National Conference on "Nurture The Future" organized by IAP from 20th to 22th November 2020.
6. The 20th e-ADOLESCON 2020 National Conference jointly organized by Adolescent Health Academy and Academy of Pediatrics, Nagpur from 6th to 8th November 2020.
7. The POSHANCON 2020 first online National Conference of MIYCN-IAPSM on 16th and 17th October 2020.
8. The National E-Conference "COVIDCON 2020" organized by the Department of Community Medicine, Saveetha Medical College and Hospital, Chennai on October 10th 2020.

9. The online conference on “Rabies prevention – newer dimensions” organised by CAR, IAP Delhi & Delhi Medical Association on September 23rd 2020.
10. The UP e-ADOLESCON 2020 State Conference organised by Adolescent Health Academy, Luknow Branch under dIAP platform held on 1st to 2nd November 2020.
11. As a delegate in the Annual State Level Conference UP e-NEOCON 2020 under dIAP platform held on 1st to 4th October 2020.
12. “International Symposium on Bioethics” organized by Bioethics Unit, Karpaga Vinayaga Institute of Medical Sciences and Research Centre, Tamil Nadu, India on 16th July 2020.
13. Delivered lecture for American Heart Association (AHA) certified BLS training sessions at SVIMS-ITC & DrNTRUHS ITC as an Instructor in 2020. (AHA Instructor ID: 08160494050)
3. **Harikrishna B. N, Kishore Y. Jothula, Nagaraj K, Prasad V.G .** Utilisation of Anganwadi services among pregnant women in rural Telangana: A cross sectional study. Journal of Family Medicine and Primary care. July 2020; 10(2): 50-54.
4. **Anju Damu Ade, Kondagunta Nagaraj, Chandrasekhar Valleppalli.** School Environment and Sanitation: A Comparative Study. National Journal of Community Medicine. 2020; 11(4):149-155.
5. **Anju D Ade, Chandrasekhar Valleppalli, K Nagaraj and G Visweswara Rao.** A comparative study of school health services in South India. International Journal of advanced Community Medicine. January 2020;3(1): 218-222.
6. **Chandrasekhar Valleppalli , K Chandra Sekhar, Balaraju Ratna, U. Vijaya Kumar, Ch. Rama Mohan, P.G. Deotale.** Dietary Habits and Drug Pattern Associated with Type 2 Diabetes Mellitus among Urban Population of Eluru City: A Cross-Sectional Study. Indian Journal of Public Health Research and Development. 2020; 11(9):1-6
7. **Chandrasekhar Valleppalli.** Managing Dental Public Health Challenges During the SARS-CoV-2 Pandemic. Journal of International Oral Health. 2020; 12(8):S76-79
8. **Chandrasekhar Valleppalli, Praveen Madala.** Assessment of Knowledge related to HIV / AIDS among Medical Students. International Journal of Contemporary Medicine. 2020; 8(1):15-19
9. **Ratna Balaraju, K. Chandra Sekhar, Chandrasekhar Valleppalli, M.M.V. Prasad Sharma** Poly pharmacy usage among geriatric population at Rural Health Centre, Kamineni Institute of Medical Sciences, Narketpally. Indian Journal of Public Health Research and Development. 2020; 11(4):312-315
10. **Chandrasekhar Valleppalli, 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. Indian Journal of Public Health Research and Development. 2020; 11(3):78-83

Dr.G.VisweswaraRao attended the following

1. POSHANCON 2020, the first National conference of Maternal, Infant and Young Child Nutrition National Working Group of Indian Association of Preventive and Social Medicine (MIYCN-IAPSM) conducted during 16th - 17th October 2020.
2. Virtual National Symposium on Mentoring in Medicine conducted by Sri Siddhartha Institute of Medical Sciences & Research Centre, T Begur, Bengaluru Rural online during 20 - 21 November 2020.

8.4 Publications

1. **K Jahnavi, Kondagunta Nagaraj, Abhay Subhash Rao Nirgude.** Utilization of antenatal care services in a rural area of Nalgonda district, Telangana state. International Journal of Community Medicine and Public Health. Sept 2020; 7(9): 3380-85.
2. **K Jahnavi, Kondagunta Nagaraj, Abhay Subhash Rao Nirgude.** Utilization of postnatal care services in a rural area of Nalgonda district, Telangana state. International Journal of Community Medicine and Public Health. Sept 2020; 7(8): 3131-36.

11. **Ratna Balaraju, Chandrasekhar Vallepalli, K. Chandra Sekhar, M. M. V. Prasad Sharma, T. Sushmita.** A study on prevalence of dementia among elderly population in RHTC field practice area of Nalgonda. International Journal of Community Medicine and Public Health. 2020; 7(7):2562-2566
12. **Ratna Balaraju, Chandrasekhar Vallepalli, Srujana Reddy Sattari, Komali Reddy Yenna, Kavya Sri Vijayagiri, Navya Chowdary Sunkavalli, M.M.V. Prasad Sharma.** Demographic Trends and Outcome of Acute Poisoning in a Rural Tertiary Care hospital of Nalgonda District, Telangana. Indian Journal of Public Health Research and Development. 2020; 11(7):652-656
13. **Dr G.VisweswaraRao, C V.Monika.** “Study of lifestyle disease risk factors among high school students in Tirupati: A base line study for intervention” is accepted for publication in Annals of Community Health Journal Volume 9 issue 1 in the month of March 2021.

8.5 CMEs/ Seminars/ Workshops attended

Dr K.Nagaraj

1. Scientific session in National Conference on Nutrition and Health on 12th and 13th September 2020 organized by AIIMS, Mangalagiri.
2. Webinar on “Managing covid -19 pandemic : India Vs other countries “ 30th June 2020 organized by Narayana Medical College, Nellore.

Dr D S Sujith Kumar

1. CME Programme on Cancer care and Treatment conducted by Indian Medical Association, Tirupati Branch on 20th December 2020.
2. CME Programme on High-Tech Treatments in Low-Resource Settings: How Do We Choose?? Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 19th December 2020.
3. Webinar on Competency Acquisition in resource constraint settings conducted by University Centre for Health Professions Education, Sri Devaraj Urs

- Academy of Higher Education and Research on 16th December 2020.
4. CME Programme on Diabetes conducted by Indian Medical Association, Tirupati Branch on 29th November 2020.
5. CME Programme on Learning and Teaching in Medicine: My Guiding Principles Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 28th November 2020.
6. The 16th National Webinar on Role of Digital Literacy and Health Data Literacy in Medical Education conducted by The Department of Medical Education, JIPMER online on 5th November 2020.
7. Webinar on Problem Based learning conducted by MEUINDIA on 3rd November 2020.
8. CME Programme on ECG Interpretation in IHD, Hypertension and Tachycardia ? Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 24th October 2020.
9. The 15th National Webinar on Mentoring in Medical Education conducted by The Department of Medical Education, JIPMER online on 22nd October 2020.
10. CME Programme on ECG Interpretation: A Very Basic Introduction Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 17th October 2020.
11. The 14th National Webinar on Problem Based Learning in Medical Education conducted by The Department of Medical Education, JIPMER online on 15th October 2020.
12. Webinar on New Education Policy 2020 : Implications in Health Sciences Education conducted by Datta Meghe Institute of Medical Sciences, Sawangi (Meghe), Wardha on 14th October 2020.
13. The 13th National Webinar on Adobe Illustrator- A Drawing Software for Medical Teachers to Create Learning Resources conducted by The Department of Medical Education, JIPMER online on 1st October 2020.

14. Attended Webinar on EMS & Online OSCE conducted by MEUINDIA on 30th September 2020.
15. The 12th National Webinar on Ten Maxims of Formative Assessment conducted by The Department of Medical Education, JIPMER online on 24th September 2020.
16. The 11th National Webinar on Learning Analytics and Artificial Intelligence in Medical Education conducted by The Department of Medical Education, JIPMER online on 17th September 2020.
17. CME Programme on History Taking: The Cornerstone of Clinical Diagnosis Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 12th September 2020.
18. The 10th National Webinar on Blueprinting in Educational Assessment conducted by The Department of Medical Education, JIPMER online on 10th September 2020.
19. The 9th National Webinar on Simulation Based Medical Education for Patient Safety conducted by The Department of Medical Education, JIPMER online on 3rd September 2020.
20. The 8th National Webinar on Preserving Mental Health of Medical Teachers and Students in the wake of COVID-19 conducted by The Department of Medical Education, JIPMER online on 27th August 2020.
21. The 7th National Webinar on Faculty Development Needs for Implementation of CBME conducted by The Department of Medical Education, JIPMER online on 20th August 2020.
22. The 6th National Webinar on Educational Scholarship conducted by The Department of Medical Education, JIPMER online on 12th August 2020.
23. The 5th National Webinar on Patient Safety Education conducted by The Department of Medical Education, JIPMER online on 5th August 2020.
24. The 4th National Webinar on Workplace-Based Assessment: The Need, Process and Challenges conducted by The Department of Medical Education, JIPMER online on 31st July 2020.
25. The 3rd National Webinar on Teaching Learning Methods to Cultivate Skills for Patient Centered Care conducted by The Department of Medical Education, JIPMER online on 22nd July 2020.
26. The 2nd National Webinar on Academic Leadership & Academic Integrity in Medical Schools conducted by The Department of Medical Education, JIPMER online on 16th July 2020.
27. The 1st National Webinar on Online Teaching in Medical Education – An Opportunity or a Distraction conducted by The Department of Medical Education, JIPMER online on 10th July 2020.
28. Webinar on Using WFME standards for improving standards of Medical Education conducted by Academy of Health Professions Educators on 25th August 2020.
29. Webinar on Teaching community medicine in CBME mode during COVID Times conducted by Academy of Health Professions Educators on 25th July 2020.

Dr Ravi Sankar Deekala

1. Participated in a CME Programme on “DIABETES” conducted by IMA Tirupati at Dr Jeerreddy Prasad Auditorium, S.V. Medical College, Tirupati on 29th November 2020.
2. Participated in a CME Programme on “CANCER CARE & TREATMENT” conducted by IMA Tirupati at Dr Jeerreddy Prasad Auditorium, S.V. Medical College, Tirupati on 20th December 2020.

Dr Chandrasekhar Valleppalli

1. “National Workshop on Biostatistics & Research Methodology” organised by P.G. Welfare Committee of D.N.DE Homeopathic Medical College & Hospital, Kolkata from 22nd to 26th September 2020.
2. Virtual Workshop on “Ethical issues in Biomedical Research (EBR 2020)” organized by the Department of Clinical Pharmacology & Pharmacology at SRM Medical College Hospital & Research Centre, Kattankulathur, Chennai, Tamil Nadu on September 21st, 2020.

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3. “International Peer Review Workshop 2020” organised by IP Innovative Publication Pvt. Ltd. during 19th to 27th September 2020.
4. National Online Workshop on “Generating the Highest Level of Evidence through Systematic Review and Meta-analysis” organized by the Department of Pharmacy Practice, National Institute of Pharmaceutical Education and Research (NIPER) Guwahati on 28th & 29th August 2020.
5. International “Virtual Hands-on Workshop on Meta-Analysis”, organized by the Department of Community Medicine, DrD.Y.Patil Medical College, Hospital and Research Centre, Pimpri, Pune held from 21st to 22nd July 2020.
6. Online Interactive CME: “Statistics in Health Research” on the occasion of National Statistics Day organized by SPH AIIMS Jodhpur on 29th June 2020.
7. Online Workshop on “Sample Size Determination Using G-power Software” organised by Department of Statistics, St. John’s College, Agra on 23rd and 24th May 2020.
8. CME programme on “Cancer Care & Treatment” by IMA, Tirupati at SVMCAA on 20th December, 2020
9. CME programme on “Diabetes” by IMA, Tirupati at SVMCAA on 29th November, 2020
10. Alumni guest lecture on ‘TB care during COVID-19 times in Karnataka’ organised by Department of Community Medicine, Yenepoya Medical College, Mangalore on 30th December 2020.
11. The 3rd National Webinar on Teaching Learning Methods to Cultivate Skills for Patient Centered Care conducted by The Department of Medical Education, JIPMER online on 22nd July 2020.
12. The 2nd National Webinar on Academic Leadership & Academic Integrity in Medical Schools conducted by The Department of Medical Education, JIPMER online on 16th July 2020.
13. The 16th National Webinar on Role of Digital Literacy and Health Data Literacy in Medical Education conducted by The Department of Medical Education, JIPMER online on 5th November 2020.
14. The 15th National Webinar on Mentoring in Medical Education conducted by The Department of Medical Education, JIPMER online on 22nd October 2020.
15. The 14th National Webinar on Problem Based Learning in Medical Education conducted by The Department of Medical Education, JIPMER online on 15th October 2020.
16. The 13th National Webinar on Adobe Illustrator- A Drawing Software for Medical Teachers to Create Learning Resources conducted by The Department of Medical Education, JIPMER online on 1st October 2020.
17. The 12th National Webinar on Ten Maxims of Formative Assessment conducted by The Department of Medical Education, JIPMER online on 24th September 2020.
18. The 11th National Webinar on Learning Analytics and Artificial Intelligence in Medical Education conducted by The Department of Medical Education, JIPMER online on 17th September 2020.
19. The 10th National Webinar on Blueprinting in Educational Assessment conducted by The Department of Medical Education, JIPMER online on 10th September 2020.
20. The 8th National Webinar on Preserving Mental Health of Medical Teachers and Students in the wake of COVID-19 conducted by The Department of Medical Education, JIPMER online on 27th August 2020.
21. The 7th National Webinar on Faculty Development Needs for Implementation of CBME conducted by The Department of Medical Education, JIPMER online on 20th August 2020.
22. Webinar programme “Implementing Competency Based Medical Education During COVID Pandemic” held on 10th July 2020 conducted by The Medical Education Unit, SRM Medical College Hospital And Research Centre, Tamil Nadu, India.
23. Participated in Online Interactive webinar on “High-Calorie Diet” held on 24th October 2020 organized by School of Public Health, AIIMS, Jodhpur

24. Webinar-II on “Public Health Emergency Management (PHEM)” in response to COVID-19 held on 21st August, 2020 organized by The National Institute of Health and Family Welfare under MoHFW.
25. Online Interactive webinar on “Diet for Obesity/Overweight” held on 17th October 2020 organized by School of Public Health, AIIMS, Jodhpur
26. Online Interactive webinar on “Diabetic Diet” held on 30th September 2020 organized by School of Public Health, AIIMS, Jodhpur participated in the National level webinar on “Effectual Research Bibliometrics – Paving Way for Institutional Evaluation” jointly organized by Academy of General Education, Manipal and Bhandarkar’s Arts & Science College, Kundapura on 12th October 2020
27. APSWDP UN75 Virtual Dialogue Series-VII on “Shifting Demographics” in association with ECOSOC of the United Nations on 4th October 2020
28. APSWDP UN75 Virtual Dialogue Series-VI on “Investing in Health for an Equitable Future” in association with ECOSOC of the United Nations on 3rd October 2020
29. Successfully participated in the webinar on “Rabies Prevention: Recent Advances” organized by IMA, Lucknow and Lucknow Academy of Pediatrics in association with CAR on occasion of World Rabies Day 2020 held on 28th September 2020
30. Webinar on “Rabies Update” conducted by the Department of Community Medicine & MEU of Sri Venkateswara Medical College Hospital & Research Centre, Puducherry on 30th September 2020
31. Online International webinar on “Bioethics Medical Education in the COVID Pandemic” organized by CMC, Ludhiana on 18th September 2020
32. Webinar on “Role of Indigenous food items in Health and Disease: A perspective from Uttarakhand” organized by the Department of Community and Family Medicine, AIIMS Rishikesh on 1st September 2020
33. Webinar on “Quantitative research methodology on Evidence based sexual and reproductive healthcare practices” organized by the Department of Obstetrics & Gynecology and Community Medicine & School of Public health, PGIMER Chandigarh and UNFPA New Delhi on 14th September 2020
34. Webinar on “Influenza Vaccination in Healthcare Workers amidst COVID-19 Pandemic” organized by the Department of Community Medicine & School of Public health, PGIMER Chandigarh on 23rd July 2020
35. Webinar on “Clinical approach to women with STIs and RTIs & FP services and STI/RTI prevention in COVID 19 pandemic” organized by the Department of Obstetrics & Gynecology and Community Medicine & School of Public health, PGIMER Chandigarh and UNFPA New Delhi on 7th August 2020
36. Webinar on “Emerging Global Research on Air Pollution & COVID-19” organized by Lung Care Foundation in association with Indian Chest Society on July 25, 2020
37. Webinar on “Air Quality in South Asia: Opportunities and Challenges” organized by Lung Care Foundation and supported by Public Affairs Sections, U.S. Embassy, New Delhi on July 30, 2020
38. CME on Illness to wellness: “Lifestyle Behaviour during COVID-19” organized by ASSOCHAM, India On Sep 13, 2020
39. CME on National Education Policy 2020 – Knowledge Series: “Transforming Higher Education: Structure and Processes” organized by ASSOCHAM, India On Aug 27, 2020
40. CME on “Illness to Wellness-Mental Health & Wellness during COVID-19” organized by ASSOCHAM, India On Aug 24, 2020
41. Webinar on Illness to Wellness-“Diabetes Management during COVID-19” organized by ASSOCHAM, India On Aug 17, 2020
42. CME on “Wellness and Nutrition” organized by ASSOCHAM, India On July 23, 2020
43. Webinar on “Health Journalism in the times of COVID” organized by the Department of Community Medicine & School of Public Health, PGIMER, Chandigarh On 8th September 2020

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44. Webinar on “Eliminating trans-fats from oils/fats and foods” organized by the Department of Community Medicine & School of Public Health, PGIMER, Chandigarh On 5th August 2020
45. The Global Webinar on “Inspiring Leadership & Compassion” organized by SRISIIM held on 28th August, 2020
46. The series of online webinars on “Basics of Research Methodology” organized by SAHASRA ENT Foundation from 11th May 2020 to 8th June 2020.
47. The International Webinar on “What’s the value in P-values?” organized by the Department of Community Medicine, DrD.Y.Patil Medical College, Hospital and Research Centre, Pimpri, Pune held on 25th August, 2020
48. The webinar titled “Computerised Assessment & Blended Learning in Medical Education” on 20th July, 2020 conducted by IQAC and Narayana Translational Research Centre (NTRC) , Narayana Medical College, Nellore, Andhra Pradesh.
49. Webinar on National Education Policy-2020 for Higher Education on 10th August, 2020 by Sri Ramachandra Institute of Higher education and Research.
50. Webinar on COVID Vaccine clinical development on 20th July, 2020 by Sri Ramachandra Institute of Higher education and Research.
51. The National webinar entitled “Mental Health & Coping during COVID-19: Saving Lives; Protecting People” on 29th July, 2020 organized by SAGE Publications India Pvt Ltd.
52. The Webinar on “Online teaching: Opportunities and Threats” as delegate conducted by the Department of Community Medicine, MMIMSR, MMDU, Mullana, Ambala (Haryana) held on 24th July, 2020
53. Webinar-CME on “Therapeutic Approaches and Prevention of COVID-19” held on 31th July, 2020 organized by IMA Pillar City, Chennai & FEDCOT India, Chennai.
54. The ADA 2020 Highlights Webinar-I “Recent CVOTS and Cardiometabolic Medicine” on held on 22nd July, 2020
55. The Webinar on “Anaemia Prevention – Tackling the hidden Iceberg & Cranial Nerve and it’s clinical correlation” organized by the International Association of Neuroscience IAN on 25th July, 2020
56. The Webinar on “What you need to know about Ultra-Processed Foods? The Science, Policy responses and Politics in Global context” organized by BPNI and NAPI on 20th July 2020.
57. Webinar on “The World has changed: Safely reopening your workspace during the COVID-19 Pandemic” on 25th July, 2020 organized by TEDx Gateway.
58. Webinar on “The World has changed: Are you conscious of your unconscious bias?” on 2nd August, 2020 organized by TEDx Gateway.
59. Webinar on “The World has changed: A framework for learning, growing and thriving in adversity” on 26th July, 2020 organized by TEDx Gateway.
60. The webinar on “Digital Technologies and COVID-19” on 21st July, 2020 organized by team CODON, Department of Biotechnology, SIT, Tumakuru, Karnataka.
61. The Webinar on “Role of AI in Cardiology & CTVS” organized by Department of Cardiology & CTVS, JSS Medical College, JSS AHER, Mysuru on 4th July 2020.
62. The webinar on “Deep Learning and its applications” on 2nd July, 2020 organized by PG Department of Information Technology, AIMIT, St. Aloysius College, Mangaluru, Karnataka.
63. The National level Webinar on Natural Pesticide for the Betterment of Eco-system - Present Status and Future Prospects organised by the PG & Research Department of Botany, V.O.Chidambaram College, Thoothukudi on 12.06.2020
64. The webinar on “Artificial Intelligence and its application in Public Health” on 18th June, 2020 organized by PG Department of Information Technology, AIMIT, St. Aloysius College, Mangaluru, Karnataka.
65. Webinar on “Medico-Legal Awareness” on 12th June, 2020 organized by Medico-Legal Expert, LegalMD

66. The Webinar on “CoVigilance the frontline force against COVID-19” organized by Academy of Advanced Medical Education on 13th April, 2020.
67. One day International level awareness webinar in observance of “World Mental Health Day, 2020” organized by Department of physiology, Mahadevananda Mahavidyalaya, Barrackpore, West Bengal on 10th October, 2020
68. CME Programme on High-Tech Treatments in Low-Resource Settings: How Do We Choose?? Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 19th December 2020.
69. CME Programme on Learning and Teaching in Medicine: My Guiding Principles Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 28th November 2020.
70. CME Programme on ECG Interpretation in IHD, Hypertension and Tachycardia ?Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 24th October 2020.
71. CME Programme on ECG Interpretation: A Very Basic Introduction Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 17th October 2020.
72. CME Programme on History Taking: The Cornerstone of Clinical Diagnosis Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 12th September 2020.
73. CME on “COVID Vaccine clinical development on July 20,2020 conducted by SRIHER University.
74. As a delegate in the Five days short term training programme on “ Environmental Impacts of COVID-19 Pandemic: Challenges and Remedies through Science and Engineering “ during 27-31 July, 2020 organized by Department of Applied Science, PIET Jaipur in association with RTU Kota.
75. Webinar-CME on “Therapeutic approaches and Prevention of COVID-19” on 31.07.2020 conducted by IMA Pillar city and FEDCOT INDIA.
76. CME on “Illness to wellness-Mental Health & Wellness during COVID-19”. On 04.08.2020 conducted by ASSOCHAM INDIA
77. CME on “Illness to wellness- Lifestyle Behaviour during COVID-19”. On 13.09.2020 conducted by ASSOCHAM INDIA.
78. As a delegate in the CME on Diabetes on 29.11.2020 at DrJeerreddi Prasad Auditorium, SVMC ALUMNI ASSOCIATION (SVMCAA), Golden Jubilee Knowledge Home, Tirupati.
79. As a delegate in the CME on “Cancer Care & Treatment” on 20.12.2020 at DrJeerreddi Prasad Auditorium, SVMC ALUMNI ASSOCIATION (SVMCAA), Golden Jubilee Knowledge Home, Tirupati.
80. CME on “Illness to wellness-Heart Wellness during COVID-19. On 04.09.2020 conducted by ASSOCHAM INDIA.
81. CISP 2 training programme at SVIMS-Sri Padmavathi Medical College for Women, Tirupati from 28.09.2020 to 29.09.2020.
82. CME on “Illness to wellness-Importance of Blood donation & Management Wellness of people with Thalassemia : International day of person. On 02.12.2020 conducted by ASSOCHAM INDIA.
83. National webinar on “Lessons learnt from emerging infectious diseases .What next? Held on 19.12.2020 organized by department of community Medicine, Jawaharlal Nehru Medical College, Belgav.
84. Alumni guest lecture on ‘TB care during COVID-19 times in Karnataka’ organized by Department of Community Medicine, Yenopoya University on 30.12.2020.
85. The 16th National Webinar on Role of Digital Literacy and Health Data Literacy in Medical Education conducted by The Department of Medical Education, JIPMER online on 5th November 2020.

Dr G. Visweswara Rao

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86. The 15th National Webinar on Mentoring in Medical Education conducted by The Department of Medical Education, JIPMER online on 22nd October 2020.
87. The 14th National Webinar on Problem Based Learning in Medical Education conducted by The Department of Medical Education, JIPMER online on 15th October 2020.
88. The 13th National Webinar on Adobe Illustrator- A Drawing Software for Medical Teachers to Create Learning Resources conducted by The Department of Medical Education, JIPMER online on 1st October 2020.
89. The 12th National Webinar on Ten Maxims of Formative Assessment conducted by The Department of Medical Education, JIPMER online on 24th September 2020.
90. The 11th National Webinar on Learning Analytics and Artificial Intelligence in Medical Education conducted by The Department of Medical Education, JIPMER online on 17th September 2020.
91. Attended the 10th National Webinar on Blueprinting in Educational Assessment conducted by The Department of Medical Education, JIPMER online on 10th September 2020.
92. Attended the 9th National Webinar on Simulation Based Medical Education for Patient Safety conducted by The Department of Medical Education, JIPMER online on 3rd September 2020.
93. Attended the 8th National Webinar on Preserving Mental Health of Medical Teachers and Students in the wake of COVID-19 conducted by The Department of Medical Education, JIPMER online on 27th August 2020.
94. Attended the 7th National Webinar on Faculty Development Needs for Implementation of CBME conducted by The Department of Medical Education, JIPMER online on 20th August 2020.
95. Attended the 6th National Webinar on Educational Scholarship conducted by The Department of Medical Education, JIPMER online on 12th August 2020.
96. Attended the 5th National Webinar on Patient Safety Education conducted by The Department of Medical Education, JIPMER online on 5th August 2020.
97. Attended the 4th National Webinar on Workplace-Based Assessment: The Need, Process and Challenges conducted by The Department of Medical Education, JIPMER online on 31st July 2020.
98. Attended the 3rd National Webinar on Teaching Learning Methods to Cultivate Skills for Patient Centered Care conducted by The Department of Medical Education, JIPMER online on 22nd July 2020.
99. Attended the 2nd National Webinar on Academic Leadership & Academic Integrity in Medical Schools conducted by The Department of Medical Education, JIPMER online on 16th July 2020.
100. Attended the 1st National Webinar on Online Teaching in Medical Education – An Opportunity or a Distraction conducted by The Department of Medical Education, JIPMER online on 10th July 2020.
101. Participated in the webinar programme “Implementing Competency Based Medical Education During COVID Pandemic” held on 10th July 2020 conducted by The Medical Education Unit, SRM Medical College Hospital And Research Centre, Tamilnadu, India.
102. Participated in the webinar programme Diabetes Reversal “Myth or Reality” conducted by ASSOCHAM INDIA on 26.11.2020.
103. Participated in the national webinar on “Continuous quality improvement in Health Sciences University” held at BalajiVidyapeeth on 06.10.2020 organized by Internal Quality Assurance cell, SBV.
104. Participated in the Webinar on Competency Acquisition in Resource Constraint Settings by Dr Thomas Chacko organized by University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research on 16th December 2020 at SDUAHER, Kolar.
105. Attended CME Programme on High-Tech Treatments in Low-Resource Settings: How Do We

- Choose?? Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 19th December 2020.
106. Attended CME Programme on Learning and Teaching in Medicine: My Guiding Principles Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 28th November 2020.
107. Attended CME Programme on ECG Interpretation in IHD, Hypertension and Tachycardia ?Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 24th October 2020.
108. Attended CME Programme on ECG Interpretation: A Very Basic Introduction Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 17th October 2020.
109. Attended Webinar on New Education Policy 2020 : Implications in Health Sciences Education conducted by DattaMeghe Institute of Medical Sciences, Sawangi (Meghe), Wardha on 14th October 2020.
110. Attended Webinar on EMS & Online OSCE conducted by MEUINDIA on 30th September 2020.
111. Attended CME Programme on History Taking: The Cornerstone of Clinical Diagnosis Conducted by The Department of Continuing Medical Education, Christian Medical College Vellore on 12th September 2020.
112. Attended CME on **“Emotional Wellness at Workplace”**. On 30.12.2020 conducted by ASSOCHAM INDIA.
113. Attended CME on “Preventive and Curative Measures for Bones and Joint Pains During Winter & COVID-19”. On 24.12.2020 conducted by ASSOCHAM INDIA.
114. **Dr TVD Prathyusha**, Assistant Professor, participated in Curriculum implementation support programme -II held at SVIMS – Sri Padmavathi Medical College for Women, Tirupati under aegis of Christian Medical College, Vellore on 29th and 30th September 2020 conducted by Medical Education Unit, SVIMS, Sri Padmavathi Medical College for Women, Tirupati.

9.0 DEPARTMENT OF DENTAL SURGERY

Professor & HoD

Dr D.S. Madhu Babu

Associate Professor

Dr P. Vani Priya

Junior Resident

Dr M. Ram Prasad

9.1 CMEs conducted by the dept. CME on “diagnosis and management of secondary orbital deformities” presented by Dr Ananthanarayanan, Professor, meenakshi ammal dental college, Chennai conducted jointly by Department of Dental Surgery, ENT, Opthomology in Sri Padmavathi Auditorium, SVIMS on 4th March 2020.

9.2 CDE attended by the faculty Dr D.S. Madhu Babu, Dr P. Vani Priya, Dr M. Ram Prasad were attended CDE and demo programme on “all on four-implants”, organized by Indian Dental Association, Chittoor Branch at Tirupati on 23rd February 2020

10.0 DEPARTMENT OF DERMATOLOGY

Professor & Head

Dr T. Ram Sharan

Faculty

Dr A. Surekha

Senior Resident

Dr R.Bhanu Prakash

10.1 Fellowship received

Dr R. Bhanu Prakash

1. ACSI fellowship on dermatosurgery, lasers at celestee centre (Hyderabad)
2. IADV L observership on Aesthetic dermatology, lasers and dermatosurgery at venus Institute of skin, hair (Hyderabad).

10.2 Research Work

1. Clinical Profiles Prescription patterns and adverse Drug Reactions in Patients with Vitiligo: A Prospective Study; Research project guides Dr Surekha A, Dr T. Ramsharan
2. Clinico-Epidemiological study of Acne Vulgaris in Tertiary Care Hospital; Research project guides Dr Surekha A, Dr T. Ramsharan.

10.3 Conference attended, Lectures delivered

Dr Surekha A, attended the following

1. 39th Annual AP state IADV L conference (AP CUTICON 2020), Kakinada, online, during 5-6 December 2020.
2. e- ASTICON 2020 on 13th September 2020.
3. 10th CODFICON – 10th Annual Conference of contact and occupational dermatoses forum of India on 8th November 2020.

Dr R. BhanuPrakash, attended the following

1. 39th APCUTICON 2020 during 5-6 December 2020.
2. E – ASTICON 2020 Virtual Conference on 13th September 2020.
3. MID DERMA CON 2020 Virtual Conference during 29-30 August 2020

10.4 Publications

Dr Surekha A, attended the following

1. Surekha A, Sajja P, Sridevi K, Kumar GR, Sharan TR. Evaluation of chronic idiopathic urticaria patients with autologous serum skin test. J Clin Sci Res 2020;9. Accepted for publication.

10.5 CMEs/Seminars/ Workshops attended

Dr T. Ram Sharan, Professor attended the following

1. IMA Kakinada CME & Dr N.V.S. Nayudu Oration Online on 12th December 2020.
2. International trauma telegrand rounds

Dr Surekha A, Associate Professor attended the following

1. Role of systemic immunomodulators and immuno suppressants in dermatology in COVID – 19 pandemic on 17th April 2020.
2. Webinar on suture materials and suturing techniques on 20th April 2020.
3. “Tele dermatology and COVID -19” on 22nd April 2020.
4. Paediatric dermatology webinar – Viral infections of the skin in children – approach and management on 4th May 2020.
5. Paediatric dermatology webinar – Connective tissue diseases in children – approach and management on 10th May 2020.
6. Digital CME on type “Expert opinion on childhood atopic dermatitis” on 11th May 2020.

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7. E-workshop on scar resurfacing (fractional lasers and MNRF) on 18th May 2020.
 8. “Long term survivors of HIV: Managing the challenges” webinar on 5th June 2020.
 9. Virtual conference – IADVL National vitiligo E-Symposium on 21st June 2020.
 10. Webinar in urticaria in children and adults – Approach and management on 23rd June 2020.
 11. Paediatric dermatology webinar on “Childhood Vitiligo” – Approach and management held on 3rd July 2020.
 12. “Syphilis Revisited” E-CME on 3rd July 2020.
 13. Childhood psoriasis – Approach and management on 15th July 2020.
 14. Recent trends and Challenges in treating Lichen planus on 19th July 2020.
 15. Webinar on facial hyperpigmentation on 2nd August 2020.
 16. Webinar on “Systemic therapies and biological in psoriasis management – current scenario” held on 13th August 2020.
 17. Demystifying treatment of refractory dermatophytosis on 27th September 2020.
 18. Online training module on “Female genital dermatoses” on 18th September 2020.
 19. IADVL PRP workshops – 4 web based workshops.
 20. Webinar (E-CME) on paediatric dermatology held on 4th October 2020.
 21. Webinar on “Primary psychocutaneous disorders” held on 10th October 2020.
 22. “Psoriasis scientific meet” webinar held on 17th November 2020.
 23. Webinar on “Diagnostic approach to cutaneous vesiculobullous diseases” on 21st November 2020.
 24. IADVL EC and IADVL Academy in association with IADVL SIG dermoscopy workshops – webinar held on 29th November 2020.
 25. IADVL Online training modules
 26. One month Training Program on Advance Course on Biostatistics & Research Methodology under Dr Padam Singh Research & Development Scheme conducted online during 23rd November – 18th December 2020.
- Dr R. Bhanu Prakash**, Senior Resident attended the following
1. Workshop on pigmentary lasers by IADVL on 20th June 2020.
 2. Webinar on choice of Antihistamines in children on 24th June 2020.
 3. Webinar on Hormonal and Metabolic aspects of ACNE on 26th June 2020.
 4. e – laser workshop on laser Hair reduction on 12th July 2020.
 5. IADVL National E- PEDDERMACON 2020 on 26th July 2020.
 6. IADVL PRP workshop on 23rd August 2020.
 7. Webinar on Hand Hygiene and hand Eczema amidst COVID Pandemic on 13th September 2020.
 8. IADVL SIG Paediatric Dermatology web based CME on 26th September 2020.
 9. e – MID – CUTICON Maharashtra 2020 during 26-27 September 2020.
 10. Webinar on “updates in management of urticaria” on 1st October 2020.
 11. Web – based symposium and Leprosy on 11th October 2020.
 12. Webinar on Psoriasis on 25th October 2020.
 13. IADVL Rajasthan and SIG Paediatric dermatology CME on 1st November 2020.
 14. Derminar on Botulinum toxin and fillers on 20th November 2020.
 15. Webinar on Brain and Body: An approach to patient for every medical speciality on 29th November 2020.

16. Webinar on Innovation in hair treatment Modalities on 17th December 2020.

10.6 Other academic activities

Dr T. RamSharan, attended the following

1. Clinical Meetings at SVIMS
2. 11th Annual Balaji Gold Medal Nephrology chair oration, SVIMS on 8th February 2020.
3. 2nd Annual Balaji Gold Medal Anaesthesiology chair oration on “An Anaesthesiologist’s odyssey” at SVIMS, Tirupati on 28th October 2020.
4. Vigilance awareness week on 28th October 2020
5. NABH Online Classes.
6. Morbidity and mortality meetings.
7. CPC Meetings.
8. Theory Classes for M.B.B.S students.
9. Clinics – for MBBS, Pharm – D and Dental Students

10. Grand rounds meetings.
11. YSR Arogyasree meetings.
12. World Blood Donor’s Day

Dr Surekha A, attended the following

1. Participated in CISP -2 Programme during 28-29 September 2020.
2. Actively involved in COVID-19 duties.
3. Attended Pharmacovigilance committee, Disciplinary and grievance committee, faculty council meetings.
4. Prepared sop for disciplinary and grievance committee.
5. Theory classes and clinics for MBBS, Pharm – D

Dr R. BhanuPrakash

1. Actively involved in COVID – 19 duties.

11.0 DEPARTMENT OF EMERGENCY MEDICINE

Professor & HoD

Dr A. Krishna Simha Reddy

Faculty

Dr Rohith Gupta

Dr P. Subramanyam

Senior Resident

Dr G.K.Harish

MD PG Junior Residents

Dr G. Pavan Kumar

Dr A. Naga Sowmya

Dr Ts. E. Joy Blessy Lois

Dr S. Sadasiva Raju

Dr Jonnakuti Rani

Dr Kudichetty Dinesh Kumar

Junior Resident

Dr C. Kiranmayee

11.1 Research Projects

Thesis submitted

1. Sada Siva Raju S. Clinical presentation and outcome of postpartum women presenting to emergency department (ED) at tertiary care teaching hospital in South India (MD).Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. Pavan Kumar G. Airway survey in the emergency department, at a tertiary care teaching hospital in South undia (MD).Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing Thesis work

1. Rani J. Comparison of timi and heart score to assess the risk of major adverse cardiac events in chest pain patients presenting to ED (MD).
2. Naga Sowmya A. To study the socio-demographic profile, clinical presentation and outcome in patients with acute poisoning presenting to emergency department (MD).

11.2 CME/ Conferences attended by the department

Dr P. Subramanayam, Assistant professor attended the following

1. e-EMINDIA 2020 COVID INDIA by EMD (as delegate) Online Zoom Conference (Weekly conference) during October to December 2020.
2. International trauma conducted by Health University of MIAMI Health system by EMD on 14th December 2020.

Dr K Rohith Gupta, Assistant Professor attended the following

1. e-EMINDIA 2020 COVID INDIA, EMD (as delegate) Online Zoom Conference (Weekly conference) during October to December 2020.
2. CME on diabetes by EMD (as delegate) at Tirupati IMA building on 29th November 2020.
3. TRAUMA 2020 VIRTUAL by EMD (as delegate) during 3-5 December 2020.

12.0 DEPARTMENT OF ENDOCRINOLOGY

Professor & Head

Dr Alok Sachan

Faculty

Dr V. Suresh

Dr Avinash Patil

DM PG Senior Residents

Dr Buddharaju P Varma

Dr Sruthi B

Dr Anusha N D

Dr Likhitha butukuri

12.1 Awards

1. Dr Avinash Patil, won **first prize** in the quiz at ENDOCRINE WEEK, a virtual Endocrine conclave during 16-22 November 2020.

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: SBAPV, SVIMS

12.3 Research work

Thesis work

Thesis submitted

1. Sandeep Ganta. Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes mellitus (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.

Ongoing Thesis work

1. Buddharaju P Varma. Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to Autonomic neuropathy (DM).

2. Anusha N D. A study on the effect of treatment on the prevalence of and ultrasonological grading of non alcoholic liver disease in patients with hypothyroidism (DM).
3. Likhitha B. Patterns and predictors of acute complications among Type 1 (DM).
4. Shruthi B. Thyroid specific autoantibodies and calcitonin levels in graves' disease with hyperthyroidism before and after treatment with carbimazole (DM).

12.4 Conferences attended, lectures delivered

Dr Alok Sachan, attended the following

1. Weekly Webinar conducted by the Endocrine Society of India and chaired a session on "Osteoporosis in men" held on 6th September 2020.
2. Weekly Webinar conducted by the Endocrine Society of India delivered a talk on "Overview of secondary osteoporosis" held on 18th October 2020.

Dr V Suresh, attended the following

1. Completed the cognitive and skill evaluations on accordance with the curriculum of the American Heart Association Basic Life support (CPR & AED) and advanced cardiovascular life support (ACLS) program.
3. The training course on Good Clinical Practice (GCP) conducted on 19th May 2020 at SVIMS, Tirupati.

4. Delivered a lecture on 'Approach to Rickets' in the T-ENDOCON-20 CME conducted by the Department of Endocrinology, Govt. Medical College Thiruvananthapuram and Travancore Endocrine Associates held at Achuthamenon Study centre SCTIMST in Govt Medical college campus, Thiruvananthapuram during 22-23 February 2020.
5. A panel discussion on 'Making the early clinical exposure interesting and effective' at AMBICON 2020, SVIMS on 29th December 2020.

12.5 Presentations by postgraduate students

1. Buddharaju P Varma. Polyostotic Paget's disease, poster presentation at ISBMR on 30th October 2020.
2. Buddharaju P Varma. 'Efficacy of radioactive iodine in treatment of Graves' disease. Paper presentation at NATCON 2020 Chennai on 26th December 2020.
3. Anusha N D. 'Adult Hypophosphatasia with a novel ALPL mutation' poster presentation at ISBMR on 30th October 2020.

12.6 Publications

1. Nitesh PNB, Reddy VV, Gavini SK, Vaikkakara S, Chandrahasan C, Rao MB, Varun D. Assessment of functional outcome of patients undergoing surgery

for chronic pancreatitis: A prospective study. *Ann Hepatobiliary Pancreat Surg* 2020;24:162-7.

2. Hulikal N, Re A, Banoth M, Chowhan AK, Yutla M, Sachan A. Can preoperative serum thyroglobulin levels predict the risk of malignancy? Results from prospective analysis of biochemical predictors of malignancy in thyroid nodules. *Acta Otorhinolaryngol Ital* 2020;40:33-7.
3. Naresh S, Bitla AR, Rao PVLNS, Sachan A, Amancharla YL. Efficacy of oral rosuvastatin intervention on HDL and its associated proteins in men with type 2 diabetes mellitus. *Endocrine*. 2020;70: 662.
4. Rallapeta RP, Manthri RG, Kalawat T, Sachan A, Lakshmi AY, Hulikal N. 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*. 2020;35:110-15.
5. Kumar, P., Vinapamula, K., Suchitra, M., & Sachan, A. Association of Vitamin D with glycaemic control. *Journal of Clinical and Scientific Research*, 2020; 9:130.

13.0 DEPARTMENT OF FORENSIC MEDICINE

Professor & Head

Dr K. Bhaskar Reddy

Faculty

Dr B. Rupesh Kumar Naik

Dr K. Jyothi Prasad

13.1 Publications

1. Rupesh Kumar Naik B, Sunil Naik G, Priyanka. Prevalence, Behavior, Awareness and Attitude regarding self medication: A Comparative study between medical and dental students in south India. Global Journal for Research Analysis 2019;8(4).
2. Rupesh Kumar Naik B, Sunil Naik G. Evaluation of Head Injuries with Skull Fractures In Homicidal Deaths. Paripex, Indian Journal of Research 2019; 8(3).

13.2 Other academic activities of significance

1. **Dr K. Bhaskar Reddy, Professor & Head**, in addition was appointed as a Professor in-charge of Allied Health Sciences (Paramedical) and to look

after the paramedical courses from the date of appointment 16th December, 2017 to 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 Anti Ragging Committee member.

2. **Dr K. Jyothi Prasad, Associate Professor** of our department in addition, he was appointed as a Quality Manager and Group Member (COP) for National Accreditation Board for Hospitals & Healthcare Providers (NABH) and also internal training may be attended 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 M.C.Narendra

Dr T. Hemachandra
Dr B. Ramakrishna
Dr M. Pradeep

Dr Uday Kiran M
Dr P. Suresh Babu
Dr C. Manoj Krishna

Junior Residents

Dr K.Aditya Sarma
Dr Dr.A.Mallikarjun Pavan

Dr I.Uday Kumar

Dr Arpan Kumar

14.1 Conferences attended, lectures delivered

National

Dr Sri Hari Rao attended the following

1. Association of colon & rectal surgeons of India (ACRSICON,2020) on , 10th & 11th October, 2020
2. WHAT IS THE VALUE IN P VALUES? In Dr D.Y.Patil Medical college, Hospital and research centre, Pimpri, Pune-18.
3. Sri Ramachandra Institute of Higher & Research in Collaboration with the Department Education UNESCO Chair BioEthics, HAIFA on 27th August, 2020.
4. ASI Regional Refresher course (Zone – 3) on 14th & 19th September, 2020.
5. AMBICON,2020, COMPETENCY BASED MEDICAL EDUCATION IN BIOCHEMISTRY SCIENTIFIC PROGRAMME on 29-12-2020.

Dr Hari Prasad, Dr M.C.Narendr, Dr Uday Kiran & Dr B Rama Krishna attended IASO 2020, Mid Term Annual Conference of Indian Association of Surgical Oncology organized by department of Surgical Oncology, Sri Venkateswara Institute of Medical Sciences, Tirupati as Delegate 29th February – 1st March 2020.

Dr Hari Prasad, Dr M.C.Narendr & Dr Uday Kiran attended 80th Annual Conference of The Association of Surgeons of India, 17th and 19th December, 2020.

Workshop & Skill course attended:

1. Dr Hari Prasad – Advanced diabetic foot care 1st workshop with agenda of public awareness conducted by Indian Podiatry Association on 19-1-2020 at Hyderabad
2. Dr Hari Prasad - IASO 2020, Mid Term Annual Conference of Indian Association of Surgical Oncology organized by department of Surgical Oncology, Sri Venkateswara Institute of medical Sciences, Tirupati as a Faculty, 28th February, 2020.

Fellowships:

1. Dr B.Hari Prasad -IPA – Indian Podiatry Association (2020)

Membership:- Dr B.Hari Prasad

1. Indian Podiatry Association (IPA), Membership No.399(Life member)
2. Executive Board Member of Indian Podiatry Association of Andhra Pradesh & Telangana Chapter.

15.0 DEPARTMENT OF HAEMATOLOGY

Professor & Head

Dr C.Chandra Sekhar

15.1 Publications:

1. Chandrasekhar C, Kiranmayi VS, Pasupuleti SK, Sarma KV, Sarma PV. Assessment of Reference Range of Serum Homocysteine from the Post-therapy Values of Cobalamin and Folate Deficiency Patients. J Assoc Physicians India 2020;68:36-42.
2. Chandrasekhar C, Kumar PS, Sarma PVGK. Novel mutations in the EPO-R, VHL and EPAS1 genes in the Congenital Erythrocytosis patients. Blood Cells Molecular Diseases 2020;85:1-8.

16.0 DEPARTMENT OF MEDICAL ONCOLOGY

Associate Professor & HoD i/c

Dr D.Bhargavi

Faculty

Dr K. Sambasivaiah

Dr A. Ravisankar

Dr Lakshmi Priyadarshini

Dr Ram Prahlad K.M

Dr B. Sreekanth

DM Senior Residents

Dr Phaneendra Mettapalli

Dr V. Santhosh

Dr Advait M K

Dr P. Sindhu

Dr Sravan Kumar Reddy V

Dr Ravi Teja

Dr Rajivgandhi K

16.1 Research Work:

Thesis submitted:

1. **Priyadarshini KL.** Serum Procalcitonin versus CRP level as early diagnostic markers of sepsis in cancer patients with febrile neutropenia (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **DrV Santhosh** “Change in receptor status after neoadjuvant chemotherapy in breast cancer and its prognostic significance” (DM) Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing thesis work:

1. **DrM. Phaneendra** “The utilization of G8 screening tool to assess toxicities in elderly patients with lung or gastrointestinal cancers from Andhra Pradesh” (DM).
2. **DrV.Sravan Kumar Reddy** “Evaluation of the tolerability and response rates with dose dense neoadjuvant chemotherapy for breast cancer” (DM).
3. **DrP.Sindhu** “A study of olanzapine for the prevention of chemotherapy induced nausea and

vomiting (CINV) in patients receiving highly emetogenic chemotherapy (HEC)” (DM).

4. **DrK.Rajiv Gandhi** “The safety and efficacy of 5-Fluorouracil, Leucovorin, Oxaliplatin, and Docetaxel (FLOT) combination in the front-line treatment for patients with locally advanced and metastatic gastric or gastroesophageal adenocarcinoma” (DM).

16.2 Conferences attended, lectures delivered:

National:

DrD.Bhargavi., was attended conference at Apollo Cancer conclave, Hyderabad during Feb'14 to Feb'16.

16.3 Publications (Vancouver style):

1. **DrBhargavi D**, DrSanthosh V, DrPriyadarshini K.L, Dr Phaneendra M, DrSindhu P, Spectrum of Paediatric malignancies in a tertiary care center –A retrospective observational study from Andhra Pradesh, India. International Journal of Scientific Research May 2020, Vol 9, Issue 5, 40-41.

17.0 DEPARTMENT OF MEDICINE

Professor & Head

Dr Alladi Mohan

Faculty

Dr B. Siddhartha Kumar	Dr A.Sandeep Reddy	Dr M.C.R.Rama
Dr D.T.Katyarmal	Dr V.Sameeraja	Dr P.Kushala
Dr G.Aparna	Dr K.Chandrasekhar	Dr M.Monica Sai
Dr.V.Manolasya	Dr M.Babu	Dr.P.Abhinaya

Senior Residents

Dr C.Rahul	Dr T.Neeharika	Dr R.Suryudu
Dr M.Ganesh	Dr V.Devika Reddy	Dr M.Krishna Kumar
Dr T.Sowjanya Lakshmi	Dr G.Harshavardhan Reddy	Dr.V.Pradeep

MD PG Junior Residents

Dr M.Arjun	Dr M.Shriramy	Dr S.Lavanya
Dr A.Nabeel	Dr K.Anil Kumar	Dr G.Mounika
Dr G.Bindhu Madhavi	Dr N.Madhuvanthini	Dr N.Mounika
Dr P.Chandana Sree	Dr S.Vijayalakshmi	Dr N.Sairam
Dr K.Ragamayi	Dr M.H.Archana	Dr M.Haneesha
Dr B.Venkatarami Reddy	Dr A.Anil Kumar	Dr C.V.S.Manasa
Dr D.Bhavitha	Dr M.Siva Kumar	Dr K.Hemsai
Dr N.Sandhya Reddy	Dr I.Siva Sai Sirisha	Dr C.Sunil Kumar
Dr M.Vijaya Krishna	Dr P.Prasanthi	Dr P.Seelabanu

17.1 Awards, achievements and felicitations

DrAlladi Mohan is International Advisory Board Member for Hutchison's Clinical Methods, 24th Edition (Glynn M, Drake WM, editors. Hutchison's clinical methods. Anintegrated approach to clinical practice. International Edition. 24th edition. Edinburgh: Elsevier; 2018).

Editor, Indian Journal of Chest Diseases and Allied Sciences (Indexed in PUBMED).

Associate Editor, Lung India (Indexed in PUBMED).

Member, Editorial Board, CHEST (Indian Edition), Official publication of American College of Chest Physicians, since 2017.

Editor, Journal of Clinical and Scientific Research

17.2 Research projects

Ongoing Projects

DrAlladi Mohan is Principal Investigator for the following Research Project

1. Intravenous TREATment for Scrub Typhus (INTREST) Trial. Multicentric Project, funded by Wellcome Trust - DBT Alliance.

2. Prevalence, risk factors and laboratory diagnosis of non tuberculosis mycobacterial (NTM) disease: a multicentre study, funded by ICMR, New Delhi.

17.3 Research work

Theses submitted

Thesis work carried out in the Department of Medicine

1. **Lavanya S.** Utility of the tourniquet test and white blood cell count to differentiate dengue in patients presenting with acute undifferentiated fever (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Mounika G.** Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
3. **Mounika N.** To study outcome of non-invasive ventilator support in patients presenting to casualty in our tertiary care centre, Tirupati(MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
4. **Sairam N.** A study on serum electrolyte status in cancer patients before and after receiving platinum based chemotherapy(MD Thesis). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020.
5. **Haneesha M.** Levels of circulating serum thyroid hormones achieved during the management of primary hypothyroidism with replacement doses of oral thyroxine (MD Thesis). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020.
6. **Manasa CVS.** Study of pulmonary function and chest radiographic abnormalities in patients with rheumatoid arthritis(MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
7. **Hemsai K.** Aetiology, clinical and haematological profile of patients with Macrocytic Anaemia, a prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020
8. **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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

9. **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 Thesis). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing thesis work

1. **Shriramya M.** Study of nutritional status in patients with various forms of tuberculosis (MD Thesis).
2. **Anil Kumar K.** Clinical characteristics, diagnosis and outcome of respiratory diseases in patients presenting to an advanced lung diseases clinic at a tertiary care teaching hospital in Tirupati, South India (MD thesis).
3. **Madhuvanthini M.** Assessment of quality of life and associated factors in patients of non diabetic chronic kidney disease in various stages [pre-dialysis, dialysis (peritoneal dialysis and haemodialysis) and post renal transplant] (MD thesis).
4. **Archana M.H.** Burden of hepatitis B, hepatitis C and human immunodeficiency virus associated arthritis in patients with rheumatic diseases (MD thesis).
5. **Vijayalakshmi S.** A study on aetiology, clinical features and outcomes in patients admitted with coma in a tertiary care institute (MD thesis).
6. **Anil Kumar A.** A study on clinical features and complications of scrub typhus in a tertiary care institute in Andhra Pradesh, India (MD thesis).
7. **Siva Kumar M.** Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital (MD thesis).
8. **Siva Sai Sireesha I.** Correlation of erythrocyte sedimentation (ESR) and C-reactive protein (CRP) at initial presentation with early brain damage and their influence on in-hospital outcome in patients with acute ischemic stroke: A prospective study (MD thesis).

9. **Prasanthi P.** Comparison of C-reactive and plasma lactate in assessing the severity and outcome of community acquired pneumonia in a tertiary care institute (MD thesis).

Thesis work carried other Departments

DrAlladi Mohan was Co-guide for the following thesis

1. **Sharon Linnet P.** Evaluation of quick sequential organ failure assessment (qSOFA) in predicting mortality in intensive care unit (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Vineela K.** Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupati, AP (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
3. **Keerthi C.** Serological characterization of autoantibodies in patients with direct antiglobulin test positive autoimmune hemolytic anemia at a tertiary care teaching hospital in Tirupati (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

04a. Conferences/ Orations/lectures conducted

DrAlladi Mohan was Organising Secretary for the 1st Virtual AP State Medical Education Conference of the Andhra Pradesh Medical Educationists Association (APMEA), during 12-13 December, 2020.

17.4 Conferences attended, lectures delivered

DrAlladi Mohan delivered the following lectures:

1. "Nutrition in the Medical ICU: A primer for physicians" in the 75th National Conference of the Association of Physicians of India (APICON 2020) at Agra during 6-9 January, 2020.
2. "Can TB be eliminated ? let's talk about latency" in CME Programme on Tuberculosis, organised by St. John's Medical College, Bengaluru, on 27 February 2020.
3. "Convalescent plasma therapy in COVID19" in #AP-COVinar, webinar for COVID-19 Hospitals in Andhra Pradesh on 14 September, 2020.

4. "Clinical features of COVID-19" in Mega CME Webinar on COVID API Telangana State Chapter 20 September 2020.
5. "Principles of competency based medical education (CBME)" in Curriculum Implementation Support Program (CISP) – II for Second Phase Faculty during 28-29 September, 2020 held at SVIMS-SPMCW, Tirupati
6. "Student Doctor-Clinical Teaching" in Curriculum Implementation Support Program (CISP) – II for Second Phase Faculty during 28-29 September, 2020 held at SVIMS-SPMCW, Tirupati
7. "Treatment of COVID 19. Evolution of treatment in a new disease: evidence based and experience based" in the Panel Discussion on COVID 19 in the 38th Annual Conference of API Karnataka Chapter (KAPICON 2020) on 17 October, 2020
8. "Clinical presentation of COVID-19" Association of Physicians of India, Visakhapatnam, Physician's Day 2020: COVID-19 CME (Virtual) on 20 December 2020.
9. "Components of CBME for 1st phase MBBS students: A primer" in Annual State Conference of Andhra Pradesh State Chapter of Association of Medical Biochemists in India AMBICON 2020 during 29-30 December, 2020, held at Tirupati.

Dr B.Siddhartha Kumar delivered the following guest lecture:

Faculty Development Programme, National Conference, Sri Venkateswara Engineering College, Tirupati

17.5 Expert/Chairperson/Panelist/Co-ordinator/Judge

DrAlladi Mohan was

1. Judge for "Best Faculty Paper Award Session" in 1st Virtual AP State Medical Education Conference of the Andhra Pradesh Medical Educationists Association (APMEA), during 12-13 December, 2020.
2. Moderator for Panel discussion "Implementing the new MBBS curriculum - a reality check" in 1st Virtual AP State Medical Education Conference of

the Andhra Pradesh Medical Educationists Association (APMEA), during 12-13 December, 2020.

3. Panelist, Speaker in the session “Meet the Expert: Programmatic Management of Tuberculosis” in the 75th Platinum Jubilee of National Conference of Tuberculosis and Chest Diseases in India on 3D Virtual platform NATCON 2020, during 18-20, December 2020.
4. Judge for “NAPCON 2020 AWARD - Oral Papers” in Virtual NAPCON 2020 National Conference on January 29, 2021.
5. Quiz Master for conducting the National College of Chest Physicians (India) Post-Graduate quiz in Respiratory diseases for Andhra Pradesh and Telangana States January 16, 2021.

17.6 Paper presentation in conference

By postgraduate students

Postgraduate students pursuing MD (Medicine) presented the following papers at the 38th Annual Conference of Association of Physicians of India Karnataka Chapter (KAPICON 2020) held at Manipal, Karnataka, 17-18 October, 2020.

1. **Lavanya S, Mohan A, Bhargav KM, Sameeraja V, Kalawat U, Chowhan AK, Gowtham R, Sarma KVS.** Utility of the tourniquet test and white blood cell count to differentiate dengue in patients presenting with acute undifferentiated fever.
2. **Mounika G, Mohan A, Bhargav KM, Sameeraja V, Ramana BV, Jayaprada R, Sarma KV.** Burden of drug-resistant tuberculosis in new patients with pulmonary tuberculosis.
3. **Mounika N, DT Katyarmal, Bhargav KM, Harika M, Manolasya V, Madhusudan M, Sarma KVS.** To study outcome of non invasive ventilator support in patients presenting to casualty in our tertiary care centre, Tirupati.
4. **Sairam N, Bhargav KM, Bhargavi D, Suchitra MM, Sarma KVS.** Status of serum electrolyte status in patients before and after platinum based chemotherapy.

5. **Haneesha M, DT Katyarmal, V Suresh, V Manolasya, KVS sarma.** Levels of circulating serum thyroid hormones achieved during the management of primary hypothyroidism with replacement doses of oral thyroxine.
6. **Manasa CVS, Kumar BS, Mohan A, Bhargav KM, Sirisha K, Vijayalakshmi B, Sarma KVS.** Study of pulmonary function and chest radiographic abnormalities in patients with rheumatoid arthritis.
7. **Hemsai K, Siddhartha Kumar B, Mohan A, Chandra Sekhar C, Chowhan AK, Suresh V, Sandeep Reddy A, Vijayalakshmi Devi B, Sarma KVS.** Aetiology, clinical and haematological profile of patients with macrocytic anaemia, a prospective study.
8. **Sunil Kumar C, Katyarmal DT, Mohan A, Madhusudhan M, Sandeep Reddy A, Sarma KVS.** Aetiology, clinical features and predictors of outcome in patients with septic shock (according to sepsis 3 definition) a prospective study.
9. **Seelabanu P, DT Katyarmal, V Suresh, Harika M, Bhargav KM.** To study the correlation of serum uric acid levels with glycemic parameters and insulin resistance in patients with type 2 diabetes mellitus (Type 2 DM) patients.
10. **Shriramya M, Bhargav KM, Sairam N, Sunil Kumar C, Rukmangadha N, Kalawat TC, Mohan A.** Non Hodgkin's lymphoma presenting with pulmonary involvement.
11. **Anil Kumar K, Mohan A, Bhargav KM, Vijayalakshmi B.** Non-resolving pneumonia due to polymicrobial aetiology responding to chloramphenicol treatment.
12. **Madhuvanthini N, Mohan A, Bhargav KM, Ramesh Chandra VV, Prasad BCM.** Pseudomonas vertebral osteomyelitis mistaken as Pott's spine.
13. **Archana MH, Manolasya V, Sandeep Reddy A, Katyarmal DT, Surekha A, Rukmangadha N, Mohan A.** Drug-induced leucocytoclastic vasculitis

with systemic involvement secondary to nitrofurantoin therapy.

14. **Siva Kumar M, Mounika G, Babu M, Sindhu G, Siddhartha Kumar B, Mohan A, Venkatarami Reddy V, Vijayalakshmi Devi B.** Boerhaave syndrome: An uncommon cause of hydropneumothorax.
15. **Anil Kumar A, Manolasya V, Sandeep Reddy A, Katyarmal DT, Siddhartha Kumar B, Sreevidya B, Rukmangadha N.** Kimura disease: A rare benign condition.
16. **Siva sai Sirisha I, Bhargav KM, Sameeraja V, Mohan A, Rukmangadha N, Aruna Prayaga K, Lakshmi AY.** Primary immune thrombocytopenic purpura (ITP) in a patient with polycystic kidney disease (ADPKD): An uncommon association.
17. **Prasanthi P, Siddhartha Kumar B, Babu M, Mohan A, Venkataramireddy V, Lakshmi AY, Kalawat TC.** Acute necrotising pancreatitis due to hyperparathyroidism.
18. **Vijayalakshmi S, Devika Reddy V, Mohan A, Rajeshwari K, Kalawat TC, Ramya Priya R, Rukmangadha N, Aruna Prayaga K.** Dermatopathic lymphadenitis: An uncommon cause of prolonged fever.

17.7 Publications

Publications in indexed journals

1. **Soumya M, Mohan A, Harikrishna J, Bhargav K M, Ravisankar A, Rukmangadha N, Mantri R.** Demographic characteristics, clinical presentation, risk factors and pathological types of lung cancer: A prospective study. *J ClinSci Res* 2020;9:16-24.
2. **Raja V A, Bhargav K M, Reddy P S, Neeharika T, Suryudu R, Bhattaram S, Kumar B S, Rukmangadha N.** An unusual case of dominant dystrophic epidermolysis bullosa (Cockayne-Touraine disease) associated with juvenile idiopathic arthritis. *J ClinSci Res* 2020;9:120-3.
3. **Mohan A, Pradeep V.** The 2019 novel coronavirus (COVID-19) outbreak: An update. *J ClinSci Res* 2020;9:48-9.
4. **Mohan A, Bhargav KM.** Predicting outcomes in patients with community-acquired pneumonia using weighted track & trigger early warning systems: Lessons learnt & insights for future use. *Indian J Med Res* 2020;152:332-4.
5. **Harikrishna J, Mohan A, KalyanaChakravarthi DP, Chaudhury A, Siddhartha Kumar B, Sarma KVS.** Serum procalcitonin as a biomarker of bloodstream infection & focal bacterial infection in febrile patients. *Indian J Med Res* 2020;151:342-9.
6. **Harikrishna J, Pradeep V, Mohan A, Bhargav KM, Chaudhury A, Vijayalakshmi Devi B, Sarma KVS.** Aetiology, clinical presentation and outcome in patients with community-acquired pneumonia requiring hospitalisation: A prospective study. *Indian J Chest Dis Allied Sci* 2020;62:117-125.
7. **Krishna Chaitanya PS, Suresh V, Mohan A, Sachan A, SreeDivya B, Raghavendra R, Manideepti D.** Pulmonary function in hypothyroidism before and after restoration of euthyroid status. *Indian J Chest Dis Allied Sci* 2020;62:51-6.
8. **Mohan A, Pradeep V.** Acute respiratory distress syndrome in the tropics: there is much to learn! *J R Coll Physicians Edinb* 2020; 50: 10–1
9. **Mohan A, Harikrishna J.** *Cleistanthus collinus* Poisoning. *Indian J Crit Care Med* 2019;23(Suppl 4):S256-S259.
10. **Dr Alladi Mohan and Dr K Chandrasekhar** were collaborators for: Agarwal A, Mukherjee A, Kumar G, Chatterjee P, Bhatnagar T, Malhotra P; PLACID Trial Collaborators. Convalescent plasma in the management of moderate covid-19 in adults in India: open label phase II multicentre randomised controlled trial (PLACID Trial). *BMJ*. 2020 Oct 22;371:m3939. doi: 10.1136/bmj.m3939.

Books and Book Chapters

1. **Sharma SK, Mohan A,** Editors. Textbook of tuberculosis and nontuberculous mycobacterial diseases. New Delhi: Jaypee Brothers Medical Publishers; 2020.

2. **Mohan A, Sharma SK.** History. In: Sharma SK, Mohan A, Editors. Textbook of tuberculosis and nontuberculous mycobacterial diseases. New Delhi: Jaypee Brothers Medical Publishers; 2020.p. p.1-12.
3. **Sharma SK, Mohan A.** Disseminated/military tuberculosis. In: Sharma SK, Mohan A, Editors. Textbook of tuberculosis and nontuberculous mycobacterial diseases. New Delhi: Jaypee Brothers Medical Publishers; 2020.p.391-410.
4. **Mohan A, Pradeep V.** Nutrition in the medical intensive care unit: A primer for the physicians. In: Arulraj S, Editor-in-Chief. Medicine update 2020. New Delhi: Jaypee Brothers Medical Publishers for the Association of Physicians of India;2020.p.785-9.

17.8 Public awareness lectures

DrAlladi Mohan delivered public awareness lectures on COVID-19 in All India Radio, Tirupati, All India Radio Hyderabad, Doordarshan, SriVenkateswara University, Tirupati.

17.9 Other Academic Activities

DrAlladi Mohan was **Examiner** for MBBS (Dr NTR University of Health Sciences) MD (Internal Medicine) Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, Goa University, Maharashtra University of Health Sciences (MUHS) MCI Assessor for MD (Medicine/ General Medicine) NBE Assessor for DNB (General Medicine)

Dr B Siddhartha Kumar was **Examiner** for MBBS (Goa University, Dr MGR Medical University)

18.0 DEPARTMENT OF MICROBIOLOGY

Professor & HoD

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

Dr M.Srihari Rao

Tutors

Dr V. Harika

Dr K. Vineela

Research Scholars

Meenakshi K

Rishi Gowtham R

Srikar A

18.1 Awards, Achievements and felicitations

Dr Usha Kalawat

1. Service Corona warrior award from Indian Medical Association, Tirupati on 2nd October 2020.
2. Service against Corona awarded by Andhra Pradesh Government on 15th August 2020 at Vijayawada.

18.2 Research Projects

Research Project (Ongoing):

1. **Principal Investigator :** Dr Abhijit Chaudhury, **Title:** A Study on the genetic diversity of Mycobacterium tuberculosis complex isolated from newly diagnosed sputum smear positive patients with pulmonary tuberculosis. **Funding Agency:** SBAVP scheme, Total Funding: Rs 7,00,783. Year of Beginning: 2019.
2. **Principal Investigator:** A Srikar (PhD Scholar), **Title:** Genetic diversity of Mycobacterium tuberculosis complex isolated from sputum smear positive previously treated patients with pulmonary tuberculosis. **Funding Agency:** SBAVP, Total Funding: Rs 2,00,000. Year of Beginning: 2018.

3. Ongoing Project work: A prospective multi-centre study to develop an antibiotic resistance prediction model supporting empirical antibiotic therapy. **Vide IEC No.1039**(Co-Investigator).
4. **Jayaprada R, Ram, Vengamma B."**UTI due to **Enterobacteriaceae"**-A multicentre study conducted by Sathyasai Institute and BIRAC. (Principal Investigator).
5. **Srikala V.S VS, Ramakrishna N, Jayaprada R*.**Microbiological profile of peritoneal dialysis fluid in acute and chronic renal failure patients in a tertiary care hospital-**vide IEC No.1058.**
6. **Noble Ujesh S, R Jayaprada*, N Ramakrishna, K K Sharma, S Yamini, B Vasavi.** Assessment of blood culture contamination rate in tertiary care teaching hospital: A single centre study of South India. **vide IEC No.1056.**

18.3 Research Work

Thesis Work

Thesis submitted

Research projects submitted:

Annual Report 2020

1. **Principal Investigator:** Dr R.Jayaprada Title: **Molecular and Biochemical Characterization of clinical isolates of group B Streptococci.**
2. **K.VINEELA**, Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupati, Andhra Pradesh.

18.4 Conference attended, lectures delivered

Dr Abhijit Chudhury attended the XIVth National Conference of Indian Academy of Tropical Parasitology “*Lophomonas blattarum*: A new respiratory pathogen”. Guest lecture delivered at E-TROPACON 2020, December, 2020; held at ACS Medical College, Chennai.

18.5 Presentations by Postgraduate students

1. **Dr K. Vineela**, PG final year attended 23rd annual conference of the Indian Association of Medical Microbiology-TAPC chapter 2020 held from 31st January 2020 to 02nd February 2020 at Visakhapatnam and presented poster on “A study of needlestick injury incidence among health care workers and its root cause analysis in a tertiary care teaching hospital, Tirupati, Andhra Pradesh” at Visakhapatnam on 1st February 2020
2. **Dr K. Vineela**, PG final year attended CME workshop on Diagnosis of Mycobacterial infections; what’s new and what to know, hosted by SMS Medical college, Jaipur at the first virtual annual congress of IAMM E-MICROCON 2020 held from 08th December to 10th December, themed ‘surging ahead with clinical microbiology in current challenging scenario’.
3. **Dr K. Vineela**, PG final year attended CIDSCON 2020-VIRTUAL MEETING from November 21st 2020 to 29th November 2020

18.6 Publications

1. **Usha Kalawat, Paper published:** Pooled testing for COVID-19 diagnosis by real-time RT-PCR: A multi-site comparative evaluation of 5- & 10-sample pooling 2020 IJMR. 152 : 88-94.
2. Chaudhury A, Parija SC. *Lophomonas blattarum*: A new flagellate causing respiratory tract infections. Trop Parasitol 2020;10:7-11. PMID: 32775285.

3. Sharabu Y, Ramakrishna N, **Jayaprada R***, Sharma KK, Sanangula SV. A study of microbiome and its antimicrobial susceptibility patterns among central line-associated bloodstream infections. J Clin Sci Res 2020;9:101-4.
4. Ujesh S N, **Jayaprada R***, Ramakrishna N, Sharma KK, Rao MH, Samantaray A, Madhusudhan M. A study of microbiological profile and its antimicrobial susceptibility patterns related to central line-associated bloodstream infections in respiratory intensive care unit in a tertiary care hospital. J Clin Sci Res 2020;9:25-30.
5. Vineela K, Ramakrishna N, Jayaprada R, Yamini S, Sharma K K A Study of Needle Stick Injury Incidence among Health Care Workers and its Root Cause Analysis in a Tertiary Care Teaching Hospital, SVIMS, Tirupathi, Andhra Pradesh-vide IEC No.1055. Reference number for the manuscript is IJMR_4873_20

18.7 CMEs /Seminars /Workshops / Trainings attended

Dr Ushakalawat

1. Basic course in biomedical research conducted by ICMR, Chennai
2. Introductory Course In Research Methodology And Biostatistics, from 24-8-2020 to 25-9-2020
3. Safe blood and body fluid collection on 2-7-2020
4. Online Second Phase Curriculum Implementation Support Program [CISP II] SVIMS - Sri Padmavathi Medical College for Women, Tirupati, Medical Education Unit
5. Program schedule for Date : 28.09.2020 & 29.09.2020

Dr Abhijit Chaudhury attended the NAAC Assessors’ Orientation Programme on 24-25 February, 2020 at Bangalore.

Dr R. Jayaprada

1. National CME and Live workshop on infection Prevention and control on 28th & 29th February 2020 organized by Breach Candy hospital Trust, Mumbai and awarded 4 credit hours.

2. Hands –on training in the seven days National workshop on “Techniques in molecular biology with special emphasis on Virology (TMV-2020) at Sri Venkateswara University, Tirupathi from 10th- 16th February 2020.
3. Workshop on “Clinical Audit” organized by CAHO at SVIMS hospital, Tirupathi on 5th March 2020.
4. Online webinar discussion on “Safe blood & blood fluid collection practices during COVID times” on July 2nd 2020
5. 2nd virtual chapter meet of Indian Association of Medical Microbiologists, Delhi on 11th & 12th September 2020 dedicated to World Sepsis Day, 2020.
6. Curriculum Implementation Support Program-II(CISP-II) workshop held at SVIMS-Sri Padmavathi Medical College for Women, Tirupathi on 28th & 29th September 2020.
7. AIIMS-ASM 2020-Antibiotic Resistance Renewed Fight on 7th -8th October 2020 and Presented Poster on “Evaluation in Reduction in Multidrug Resistance After implementation of AMSP programme and infection control practices” during AIIMS-ASM 2020.
8. As a delegate in the E-TROPACON-XIV National Conference in Parasitology organized by department of Microbiology, ACS Medical College & Hospital, Dr M.G.R. Educational & Research Institute, Chennai in association with Indian Academy of Tropical Parasitology (IATP) held on 28th & 29th December 2020.
9. Training sessions both offline and online on Hospital Infection Prevention & Control for SVIMS,BIRRD and Government Hospital staff during COVID pandemic. Released two editions of HIC Manual For COVID-19.
3. Webinar on safe collection of blood and body fluids organized by BD on July 2nd -2020
4. Curriculum Implementation Support Program-II(CISP-II) workshop held at SVIMS-Sri Padmavathi Medical College for Women, Tirupathi on 28th & 29th September 2020.
5. AIIMS-ASM 2020-Antibiotic Resistance Renewed Fight on 7th -8th October 2020 and Presented Poster on “Evaluation in Reduction in Multidrug Resistance After implementation of AMSP programme and infection control practices” during AIIMS-ASM 2020.
6. Conducted Training sessions both offline and online on Hospital Infection Prevention & Control for SVIMS, BIRRD and Government Hospital staff during COVID pandemic.
7. Antimicrobial Stewardship Programme (AMSP): Uploaded 9 editions of AMSP pocket guides in SVIMS website. Presently working on 10th edition.
8. Dr S.Noble Ujesh, senior resident, was attended CME workshop on diagnostic challenges and complications in post covid-19 infections hosted by, sir ganga ram hospital, new delhi.
9. DrS.Noble Ujesh, senior resident, attended first virtual annual congress of INDIAN ASSOCIATION OF MEDICAL MICROBIOLOGISTS (E-MICROCON2020) during 8-11 December 2020.

18.8 Other academic activities

Dr Abhijit Chaudhury

Dr N. Ramakrishna

1. MCI Revised Basic Course Workshop & AETCOM at CMC, Vellore.
2. 2nd virtual meet of Indian Association of Medical Microbiologists, Delhi chapter on sepsis topic. (11-12 Sep-2020)
1. Reviewer for:
 - Indian Journal of Medical Research
 - Journal of Clinical and Diagnostic Research
 - Paediatric Infectious Diseases
2. MD examiner at TN Dr MGR Medical University.
3. NAAC assessor for Sri Manakula Vinayagar Medical College and Hospital, Puducherry on 2-3 March, 2020.

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Dr R. Jayaprada

1. Established **Hospital infection control programme** to its full extent from 2013 onwards to till date.
2. Established the Antimicrobial Stewardship Programme (AMSP) and uploaded 9 editions of AMSP pocket guides in SVIMS website. Presently working as an Associate editor for Journal of Clinical & Scientific Research (JCSR), SVIMS, and Tirupathi since 2013.
3. Presently working as HIC coordinator for NABH-full Accreditation

Thesis completed: **List of M.D/M.Sc students completed work - as a Guide/Co- guide**

1. **Reference ID- 2019-04084-** Aiman Fathima –ICMR-STS project. 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 (**Guide-2019-2020**).
2. Dr Vineela. Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupati, Andhra Pradesh. (M.D Microbiology Thesis). Sri Venkateswara Institute of Medical Sciences, Tirupati.(**M.D Thesis- as Co-guide-2018-20**).
3. K.N.T Durga. A study of Aerobic Gut Microbiome and its antimicrobial Susceptibility patterns in Chronic kidney disease(CKD) Patients:(Predialysis, Dialysis-Peritoneal Dialysis/ Hemodialysis)& Post Renal transplants in a tertiary care teaching hospital,SVIMS,Tirupati,A.P. (M.Sc project- as a **Guide-2019-20**).
4. Supriya. Bacterial isolates and drug susceptibility pattern of sterile body fluids from a tertiary care teaching hospital, SVIMS, tirupathi. (M.Sc project- as a **Co-Guide-2019-20**).
5. Narendra L. “Midstream urine, Pelvic Urine and Renal stone Culture & sensitivity as Predictors of Urosepsis following Percutaneous Nephrolithotomy - A Prospective observational Study”.(**Co-Guide**).
6. MounikaGopalan. Burden of drug –resistant tuberculosis in new patients with pulmonary tuberculosis”.(**Co-Guide**).

Dr N. Ramakrishna

1. Dr Vineela. Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary care teaching hospital, SVIMS, Tirupati, Andhra Pradesh. (M.D Microbiology Thesis). Sri Venkateswara Institute of Medical Sciences, Tirupati.(**M.D Thesis- as Co-guide-2018-20**)
2. Supriya. Bacterial isolates and drug susceptibility pattern of sterile body fluids from a tertiary care teaching hospital, SVIMS, tirupathi. (M.Sc project- as a **Co-Guide-2019-20**)
3. K.N.T Durga. A study of Aerobic Gut Microbiome and its antimicrobial Susceptibility patterns in Chronic kidney disease(CKD) Patients:(Predialysis, Dialysis-Peritoneal Dialysis/ Hemodialysis)& Post Renal transplants in a tertiary care teaching hospital,SVIMS,Tirupati,A.P. (M.Sc project- as a **Co-Guide-2019-20**)

19.0 DEPARTMENT OF NEPHROLOGY

Professor & Head

Dr R.Ram

Faculty

Dr V. Siva Kumar

Dr G.Niveditha

DrLokesh

Dr K.Naveen Kumar

Dr R.D.Nagaraj

Dr M. Raja Amarendra

DM PG Senior Residents

Dr Naga Alekhya B

Dr Murali

Dr Prasanna Kumar N

Dr Maria Bethsaida Manual

Dr Lakshmi Aishwarya P

Dr Mathini S

19.1 Thesis work

Thesis submitted

1. **Raja Amarendra M.** A study of gonadal function and body composition in adult men with non diabetic chronic kidney disease (non-dialysis dependent stage) (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences 2020.
2. **Naveen Kumar K.** A study of oxidative stress, inflammatory markers and endothelial dysfunction in diabetic and non diabetic chronic kidney disease pre-dialysis patients (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences 2020.

Ongoing Thesis work

1. **Naga Alekya B.** A study on markers of oxidative stress and inflammation in patients of ESRD with peritonitis on chronic peritoneal dialysis (DM).
2. **Maria Bethsaida Manual.** A study on correlates of atherosclerotic vascular disease in stable post renal transplant patients (DM).
3. **Lakshmi Aishwarya P.** A study of oxidative stress, inflammation and endothelial dysfunction in snake bite induced acute kidney injury patients (DM).

4. **Dr Murali M.** A study of non invasive assessment of bone disease in chronic kidney disease in various stages (DM).

19.2 Conferences attended: Dr Ram attended ISNSC-CON2020 at Bengaluru

19.3 Publications

1. S. Praveen Kumar Reddy , Maria Bethasaida Manual , B. Alekhya , G. Swyritha , M. Amarendra , K. Naveen , A. Sunnesh , N. Sai Sameera , N. Praveen , Prabhajan Kumar , N. Rukumangadha , Aruna Prayag , R. Ram , D. Rajasekhar , V. Siva Kumar. A 57?year?old man with altered sensorium and renal failure. Journal of Clinical and Scientific Research, Year 2019, Volume 8, Issue 2 [p.104-112] DOI: 10.4103/JCSR.JCSR_57_19.
2. B Sangeetha, G Aparna, R Ram, AY Lakshmi, V Siva Kumar. Emphysematous pyelonephritis with acute kidney injury in the postpartum period. Journal of Clinical and Scientific Research, Year 2019, Volume 8, Issue 3[p. 164-165] DOI: 10.4103/JCSR.JCSR_68_19
3. M. Sravani, A. Subha, Maria Bethasaida Manuel, Alekhya B, Ram, V. Siva Kumar, Recurrent Emphysematous Pyelonephritis: Three episodes. SJKDT_427_19.docx

4. DB Varalakshmi, R Ram, V Siva Kumar. Rhabdomyolysis due to hypothyroidism without any precipitating factor. <https://doi.org/10.1177/0049475520917253>. First Published April 21, 2020
5. Ram R. A propos to the article, 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. *Journal of Clinical and Scientific Research*, Year 2019, Volume 8, Issue 2 [p. 118-119] DOI: 10.4103/JCSR.JCSR_89_19
6. Water drinking practices in ADPKD patients: a questionnaire based study. Accepted for publication in IJN.
7. Raja Amarendra M, Naveen Kumar K, Maria B M, Alekhya B, Sunnesh reddy A, B Sangeetha, R Ram, Siva Kumar V. Cerebral abscess and clavarial osteomyelitis due to *Burkholderia pseudomallei* in renal transplant recipient. Accepted for publication in *Transplant Infectious diseases journal*.

20.0 DEPARTMENT OF NEUROLOGY

Senior Professor & Head

Dr B.Vengamma

Faculty

Dr R.Nandagopal

Dr S.Venkata Naveen Prasad

Dr.M.K.Usha

DM PG Senior Residents

Dr A Sunitha

Dr Y.Raghu Nandini

Dr K.Sai Arun

Dr G.Sateesh

Dr P.Phani Kumar

Dr S.K.Abdul Hakeem

Dr.K.Srikantha

Dr A. Yamini

Dr S. Srija

20.1 Research Projects

1. **Dr B Vengamma.** A Phase II open label Randomised Controlled Trail to Assess the safety and efficacy of Convalescent Plasma to limit COVID-19 associated Complications in Moderate Diseases. (PLACID Trail) conducted by Clinical trial and Health systems Research unit Division of Epidemiology and Communicable diseases, Indian Council of Medical Research from April 2020 to August 2020.
2. **Dr Naveen Prasad.** HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India” at SVIMS Tirupati,(ICMR –NCDIR Project) Principal investigator Dr S V NAVEEN PRASAD Co-principal investigator Dr B VIJAYLAKSMI DEVI, Senior research fellow-Non medical Dr T Preethi

20.2 Research Work

Thesis work

Thesis submitted

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). Sri Venkateswara Institute of Medical Sciences, Tirupati 2020
2. **Tirupati Kedar.** “A study on Stroke Awareness and factors delaying thrombolytic therapy in Acute Ischemic stroke patients at a tertiary care hospital” (DM). Sri Venkateswara Institute of Medical Sciences, Tirupati 2020
3. **Manideep Malakala.** “Comparision of Frequency of motor and Non motor symptoms in young onset versus late onset Parkinson’ disease” (DM). Sri Venkateswara Institute of Medical Sciences, Tirupati 2020

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Ongoing thesis work

1. **A. Sunitha.** “A study of Neuromyelitis optica spectrum disorders in tertiary care centre in South India” (DM)
2. **G. Sateesh.** “A prospective study of clinical profile and outcome of patients with acute ischemic stroke receiving intra venous thrombolysis” (DM)
3. **K. Srikanth.** “A clinical study on the utility of nerve biopsy in peripheral neuropathy”. Sri Venkateswara Institute of Medical Sciences (DM)
4. **A. Yamini.** “ A study of clinical electrophysiological and serological profile and short term outcome of acquired myasthenia gravis SVIMS experience.” (DM)
5. **P. Phani Kumar :** “A study of etiology and clinical profile of new onset seizure in adults in a tertiary care hospital.” (DM)
6. **Y. Raghu Nandini :** “A comparative study of stroke in predialysis CKD and non CKD patients” (DM).
4. BioAsia-2020 organized by the Federation of Asian Biotech Associations (FABA) in association with the Government of Telangana and Government of India at HICC in Hyderabad from 17th to 19th February, 2020.
5. 11th Annual Clinical neurology workshops in “SHINE 2019 – CME on Clinical Neurology” organized by Institute of Neurology, Madras held at Chennai on 21st to 23rd Feb 2020 at Chennai
6. WINNERS 2020 (Women In Neurology – New Emerging Research Symposium) on 7th & 8th March 2020 at Hotel Swosti Premium Bhubhaneswar Odisha
7. Acted as moderator in A novel exchange of Global views on Epilepsy, Management of refractory generalised epilepsy on 27th June 2020
8. Fourth conference of Clinical Neurophysiology subsection of Indian Academy of Neurology (IANCNPCON 2020) Neurophysiology workshop from 14th – 16th August 2020 in virtual form by department of neurology Bombay Hospital research institute Mumbai

20.3 Conferences attended, lectures delivered

National:

Dr B Vengamma

1. 21st Joint Annual conference of Indian Epilepsy Association and Indian Epilepsy Society Econ 2020 at hosted by Indian epilepsy association Ahmedabad chapter at Hotel Hyatt Regency from 17th to 19th Jan 2020 at Ahmedabad
2. EBM-Quest conference organized by department of neurology NIMHANS Bengaluru from 24th to 26th Jan 2020
3. T S Srinivasan - NIMHANS Knowledge Conclave 2020 on Stroke at NIMHANS convention centre Bengaluru from 7th & 8th Feb 2020
9. Acted as Chairperson as Part of the Woman than – Webinar series – South Chapter as faculty for Womanthan (Unleashing the power of Woman). Day 2: Diagnosing multiple sclerosis (MS) and differentiating from its Mimics on 10th October 2020
10. An update on ICMR National Ethical Guidelines with Special Reference to Epidemiological Research held on 3rd November 2020 organized by ICMR Bioethics Unit. National Centre for Disease Informatics and Research Bangalore.
11. Participated in the National Epilepsy awareness month on 17th November 2020. Jhonty Rhodes cricketer & 5 other eminent neurologists to take the filed against Epilepsy

12. Training Course on “Application of Biostatistics in Epidemiology and Public Health conducted online by the National Institute of Health and Family Welfare (NIHFW), New Delhi from 14th – 18th December 2020
13. Dr. Tirupati Kedar & Dr. Manideep Malakala attended KAN Conference at Kottayam on 04.01.2020
14. Dr. Tirupati Kedar & Dr. Manideep Malakala attended SHINE Conference at Chennai on 21.02.2020

Guest Lectures

Dr. B. Vengamma.

1. “Women and aging” at WINNERS 2020 (Women In Neurology – New Emerging Research Symposium) on 7th & 8th March 2020 at Hotel Swosti Premium Bhubhaneswar Odisha
2. Delivered talk on webinar “Gender equality and Women Rights” as part of Eradicating social gender Bras establishing Gender equality and Woman empowerment organized by IISER Tirupati on 17th June 2020.
3. Delivered talk on webinar “COVID-19 Pandemic neurologist Prospective” on 27th September 2020 organized by API AP Chapter
4. Delivered talk on “Women Health – Neurological diseases” at Academic staff college at S.V. University, Tirupati on 27th November 2020.
5. Delivered talk on Googlemeet to MD/DNB Medicine post graduates on “Acute bacterial meningitis” on 27th December 2020 3-4 PM

Dr. Nandhagopal

1. Delivered a talk entitled ‘Some difficult diagnoses: my tryst with Neurology, the queen of clinical sciences’ on April 17, 2020, 4 pm through Zoom link for Neurology and General Medicine postgraduate residents.

2. Delivered a talk entitled ‘Approach to Building Clinical History in Neurology (Construction, Analysis, Focussed Stem)’ on October 1, 2020, 3 pm through Zoom link for Neurology postgraduate residents.

20.4 Presentation by postgraduate students

AP NEUROCON – 2020 held at Rajahmundry during 26 - 27 December, 2020 and presented a paper presentations as: through zoom app:

1. Dr. A. Sunitha: Study of Neuromyelitis optica in a tertiary care centre.
2. Dr. G. Sateesh.: A prospective open label and outcome of patients with acute ischemic stroke, receiving intravenous thrombolysis.
3. Dr. K. Srikanth: Yield of nerve biopsy in peripheral neuropathy in the routine clinical setting .
4. Dr. A. Yamini: Genetically proven case of myotonia congenita.
5. Dr. P. Phani Kumar : Chronic polyradiculoneuropathy mimicking CIDP in chronic araldite poisoning.
6. Dr. Y. Raghu Nandini : A rare case of accidental fenpyroximate poisoning presenting as acute neurotoxicity.

20.5 Publications

1. Omprakash Bandaru, Naveen Prasad SV, Vengamma Bhuma, Alok Sachan, Tirupati Kedar, Usha Chowdary K Madineni, Manideep Malaka, “Neurological manifestations and electrophysiological findings in patients with de novo detected hypothyroidism”. IJMACR- March - April 2020;3(2):204-213.
2. Panyam P, Vengamma B, Naveen prasad SV, Challa SN, Rakesh R. A study of prognostic significance of serum troponin I in patients with acute ischemic stroke .J Clin Sci Res 2020;9: 11-15.

3. Reddygari R, Naveen prasad SV, Vengamma B, Sharma PVGK, Appa Rao A. CYP2C9 Polymorphisms are associated with phenytoin toxicity in South-Indian epileptic patients. J NTR Uni Health Sci 2020;9(2):92-97.
4. B. Vengamma “Women and Ageing: Extent of the problem and the way forward. J. Clin. Sci. Res. 2020: 9.75-6
5. B. Vengamma, Saineelima Challa, B. Vijaya Lakshmi Devi, S.V. Naveen Prasad, Pranuthi Panyam, Rkesh Reddy: Assessment of intracranial and Extracranial atherosclerosis in patients presenting with ischemic stroke. J. Clin. Sci. Res. 2020: 9.155-9
6. Vengamma B .Patient with Altered sensorium: Evaluation and management. for the book Postgraduate Medicine 2021 : Jaypee Brothers, Medical Publishers

Examinership

1. External Examiner and Member / Convenor of the Board to conduct practical / clinical and oral examination for DM Neurology, by Tamil Nadu Dr.MGR Medical University, Chennai and Dr NTR

Health University Andhra Pradesh and for Ph.D. Public Viva-voce examination at NIMHANS University, Bangaluru. in July 2020

20.6 Other academic activities of significance

1. Apart from regular journal clubs, seminar presentations, electrophysiology study presentation and Neuroradiology case discussion by Neurology postgraduate residents, coordinated academic meetings with Neurosurgery department were also conducted to have better understanding of clinical topics of mutual interests to Neurology and Neurosurgery residents such as anti-oedema measures for cerebral oedema, MRI interpretation of lesions of brain, spinal cord/roots and spine and CV junction anomalies, hydrocephalus, decompression hemicraniectomy in the setting of malignant ischemic stroke, brain and spinal cord tumors, subarachnoid hemorrhage in April 2020. Similar academic meetings were conducted in coordination with Radiology department on topics such as carotid Doppler, carotid vessel wall imaging, CT cerebral perfusion, and mesial temporal sclerosis in April 2020.

21.0 DEPARTMENT OF NEUROSURGERY

Professor & Head

Dr V.V. Ramesh Chandra

Faculty

Dr B.C.M. Prasad

Dr K.Venkat

Dr T. Goutham Hanu

Dr V. Niranjan

Dr Srikanth T

Dr Dr Kunal Kumar

MCh PG Senior Residents

Dr Mohana Murali Krishna

Dr Sreeram G

Dr Hanuma Naik B

Dr K. Chandra Sekhar Reddy

Dr K.Shiva Kumar Reddy

Dr Y.Praveen

Dr.Venkatesh K Dr Bharat

20.1 Research Projects

21.1 Awards, achievements and felicitations

1. **Dr Ramesh Chandra V. V, Professor**, secured **Best Poster award** for poster presentation in National symposium on Biomedical Innovations and small business opportunities in Innovations in Medical devices category held from 22nd – 23rd January at Tirupati.
2. **Dr K Venkat**, Assistant Professor, secured **Best paper award** for platform presentation in “Neurology and Neurosurgery Award paper category” in 2nd Telangana Neurosciences annual conference TNSCON-2020, in Hyderabad, Telangana, held from Mar 7th to 9th 2020
3. **Dr Kunal Kumar** was awarded **best poster** for Trephine Craniotomy versus Burr Hole Drainage for Chronic Subdural Hematoma—An Institutional Analysis of 156 patients at TNSCON 2020 on 15th June at Hyderabad.
4. **Dr Kunal Kumar** was awarded **2nd prize for best poster** for “Retrospective analytic study of neurosurgical patients who developed post-operative hydrocephalus” at TNSCON 2020 on 15th June at Hyderabad

21.2 Research Projects

Ongoing research projects

1. **Principal Investigator:** Dr VV Ramesh Chandra, **Title:** Prospective Study For Validation Of Proposed Novel ‘SVIMS Criteria’ For The Diagnosis Of Intracranial Tuberculoma Year of beginning: 2020, Duration: 2 years. **Funding:** nil
2. **Principal Investigator:** Dr VV Ramesh Chandra. **Title:** Prospective Study Comparing Surgical Outcome of Trephine Craniotomy Versus Burr Hole Drainage for Chronic Subdural Hematoma with Membranes. Year of beginning: 2020. Duration: 2 years. **Funding:** nil

21.3 Research work

Thesis work

Thesis submitted

1. **Dr Kunal Kumar** - Prospective study of complications in neurosurgery and their impact on the health related quality of life.
2. **Dr Nitin M Barde** - Study of clinical profile and outcomes in patients with supratentorial spontaneous intra cerebral hemorrhage.

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3. **Dr 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.

Ongoing thesis work

1. **Dr 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.
2. **Dr Sreeram Gokanapudi** - Root cause analysis of patients with road traffic accidents with head injury attending a tertiary care hospital at Tirupati.
3. **Dr Hanuma Naik Banavath** - A Prospective study of clinical and radiological outcomes with craniostomy in the management of traumatic brain injury.
4. **Dr Shiva Kumar Reddy** - Correlation of imaging findings and ease of resectability in intracranial meningiomas.
5. **Dr K Chandrasekhar Reddy**: A prospective study to predict the Intra cranial pressure, using Optic nerve sheath diameter measured through ultrasound in conservatively managed severe head injuries

21.3 Conferences attended, lectures delivered

Dr K Venkat attended the following

1. 22nd AIIMS Annual Microneurosurgery workshop 2020, during 13-15 February 2020, AIIMS, New Delhi.
2. 2nd Telangana Neurosciences annual conference TNSCON-2020, during Mar 7th -9th, 2020

Dr T Srikanth attended the CME-SWONS 2020 on 25th January 2020 in Chennai.

Dr Goutham Hanu attended the following

1. 18th Neurological Society of India Instructional course at Kasturba Medical College, Manipal in February 2020.
2. Problem Oriented Clinical Neurosurgery (Digital foundation course) conducted by Neurological Society of India on 31st May 2020

3. Online in 2nd WFNS Neurosurgical Anatomy Webinar conducted by WFNS Neuroanatomy Committee 23rd – 24th June 2020
4. Online, 1st Asian Congress Of Neurological Surgeons, Virtual International Conference on 12th December 2020
5. Virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020

Dr Kunal Kumar attended the following

1. 2nd Telangana Neurosciences annual conference TNSCON-2020, Mar 7-9 2020
2. Virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020
3. “Surgical Neuro-oncology update” and workshop on “ultrasonography in neuro-oncology” and “intraoperative neuromonitoring” at SGPGI Lucknow 27 feb-1st march, 2020.

Dr Murali Krishna attended the following

1. 2nd Telangana Neurosciences annual conference TNSCON-2020, Mar 7-9 2020
2. Virtual online Andhra Pradesh state conference, APNEUROCON2020 from 26th to 27th December 2020

3. **Dr Sreeram Gokanapudi** attended the virtual online Andhra Pradesh state conference, APNEUROCON2020 from 26th to 27th December 2020.

4. **Dr Hanuma Naik Banavath** attended the virtual online Andhra Pradesh state conference, APNEUROCON2020 from 26th to 27th December 2020.

5. **Dr K. Shiva kumarreddy** attended the virtual online Andhra Pradesh state conference, APNEUROCON2020 from 26th to 27th December 2020.

6. **Dr K. Chandrasekharreddy** attended the virtual online Andhra Pradesh state conference, APNEUROCON2020 from 26th to 27th December 2020,

Presentations by Faculty

Dr BCM Prasad

1. Delivered “**Dr Raja reddy oration**” on Nuances in the management of anterior circulation aneurysms. TNSCON 2020 7th March 1st, 2020 Hyderabad.
2. Delivered a lecture on ‘Role of Histopathology’ in Neuro oncology conference on Advances in Pathology, Narayana medical college, in March 2020 Nellore.
3. Presented a Case presentation on Torticollis. **NSI foundation course** August 2020 (webinar)
4. A moderator for case presentation in Examinoline September 2020(Webinar)

Dr Ramesh Chandra VV

1. Delivered a lecture on ‘OLIF case selection decision making and complication avoidance’ in MATS 2020 20th February 2020 Gurugram.
2. Delivered a lecture on ‘Complication Avoidance in DBS beginner’s perspective’ on 28th February 2020, Kolkatta.
3. Delivered a lecture on ‘Far lateral approach for foramen magnum meningioma’ in ‘Neurooncology update’, on 1st march, 2020 in SGPGI Lucknow.
4. Delivered a lecture on ‘OLIF-Complication Avoidance’ in TNSCON 2020 7th March, 2020 Hyderabad.
5. Delivered a lecture on ‘MAST-TLIF Indications and surgical techniques’ on 7th June 2020 (Webinar)
6. Delivered a lecture on ‘Complication avoidance in DBS’ in Digital workshop on DBS for Parkinson’s disease 9th August 2020 (Webinar)
7. Delivered a lecture on ‘How I do IT –OLIF’ ACNS conference, December 2020 (Webinar)
8. Delivered a lecture on ‘DBS Beginners Perspective’ Khammam neurosciences club, December 2020 (Webinar)
9. “**NELLORE NEURO CLUB TALK: HOW I DO IT** on DBS Beginners Perspective in

APNEUROCON 2020, 27th State conference of APNSA, December 2020 (Webinar)

Dr K Venkat

1. Delivered a lecture on “Oblique Lumbar Interbody Fusion- How I do it” in the 22nd AIIMS Annual Microneurosurgery workshop 2020, 13-15 Feb 2020, AIIMS, New Delhi.
2. Presented a paper on “Role of surgery in Intracranial Tuberculoma and proposal of a novel diagnostic criteria- (SVIMS criteria)” in the 2nd Telangana Neurosciences annual conference TNSCON-2020, in Hyderabad, Telangana, held from Mar 7th to 9th 2020.

21.5 Presentations by PG Students

1. **Dr Goutham Hanu** has presented a paper on “Comparison between Oblique Lumbar Interbody Fusion (OLIF) and Minimal Invasive Transforaminal Lumbar Interbody Fusion (MIS TLIF) for lumbar spondylolisthesis: A randomized controlled trial” at 1st Asian Congress of Neurological Surgeons, Virtual International Conference on 12th December 2020.

Dr Kunal Kumar

1. Presented a poster on “Endoscopic third ventriculostomy – our institutional experience at tertiary care centre (50 cases)” at TNSCON 2020 on 15th June at Hyderabad.
2. Presented a poster on “Retrospective analytic study of neurosurgical patients who developed post operative hydrocephalus” at TNSCON 2020 on 15th June at Hyderabad
3. Presented a poster on “Prospective study of complications in neurosurgery and their impact on the health related quality of life (HRQOL) - Proposal of a new complication grading in neurosurgery based on HRQOL” at ACNS on 12th December at Chennai (Virtual conference) 2020
4. Presented a paper under award category on “Prospective study of complications in neurosurgery and their impact on the health related quality of life (HRQOL) - Proposal of a new complication grading in neurosurgery based on HRQOL” in virtual online

Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.

5. **Dr Murali Krishna** presented a poster on “Cervical disc arthroplasty experience in a tertiary care centre” in virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.
6. **Dr Sreeram Gokanapudi** presented a paper on “Single institution experience with pineal region tumors” in virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.
7. **Dr Hanuma Naik Banavath** presented a paper on “Comparison of cisternostomy and conventional decompressive craniectomy in the management of traumatic brain injury” in virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.
8. **Dr K. Shiva Kumar Reddy** presented a paper on “Varied presentation of Schwannoma at a tertiary institute” in virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.
9. **Dr K. Chandra Sekhar Reddy** presented a paper on “surgical preferences in colloid cyst a 40 case series” in virtual online Andhra Pradesh state conference, APNEUROCON-2020 from 26th to 27th December 2020, Rajamahendravaram, AP.

21.6 Publications

Publications in indexed Journals

1. **Ramesh Chandra V V, M. Prasad B C, Vayyala N, Paradesi R.** Clinical, radiological and micro neurosurgical aspects in the management of intracranial epidermoid cysts: Experience with 38 cases. J Clin Sci Res 2020;9:144-9
2. **V. V. Ramesh Chandra,** et al. Micro neurosurgical aspects in the management of posterior cranial fossa epidermoids: experience of 24 cases. International Journal of Research in Medical Sciences, [S.I.], v. 8, n. 2, p. 606-612, jan. 2020. ISSN 2320-6012. <http://dx.doi.org/10.18203/2320-6012.ijrms20200060>
3. **CHANDRA, V. V. Ramesh** et al. Clinical outcomes following surgical management of brain abscess in a tertiary care centre: retrospective analysis of 56 cases. International Journal of Research in Medical Sciences, [S.I.], v. 8, n. 2, p. 430-437, jan. 2020. ISSN 2320-6012 DOI: <http://dx.doi.org/10.18203/2320-6012.ijrms20200014>
4. **Chandra Vemula R, Prasad BCM, Koyalmantham V, Hanu G.** Role of Surgery in Intracranial Tuberculomas and Proposal of a Novel Diagnostic Criteria for Diagnosis (Sri Venkateswara Institute of Medical Sciences- SVIMS Criteria). World Neurosurg. 2020;138:e52-e65. doi:10.1016/j.wneu.2020.01.179
5. **Koyalmantham V, Kale SS, Devarajan LJ,** et al. Patient Outcomes Following Obliteration of Spinal Dural Arteriovenous Fistula and the Role of Indocyanine Green Angiography Videoangiography (ICG?VA) During Surgery. Neurol India. 2020;68(1):118-123. doi:10.4103/0028-3886.279705.
6. **Chandra, Ramesh & Prasad, B. & Koyalmantham Venkat.** (2020). Trephine Craniotomy versus Burr Hole Drainage for Chronic Subdural Hematoma—An Institutional Analysis of 156 Patients. Indian Journal of Neurotrauma. 10.1055/s-0040-1713461.
7. **Ramesh Chandra VV, Prasad BC, Hanu TG.** Gooseneck Flexible Brain Retractor—Utility of Flexible Gooseneck Tubing in Neurosurgery. Neurol India 2020;68:880-1.
8. **Ramesh Chandra VV, Chandra Mowliswara Prasad Bodapati, Rajesh Paradesi.** Role of Intraoperative ICP And CPP Measurement for Predicting Surgical Outcome in Severe Traumatic Brain Injury. Indian J Neurotrauma:2020;17:121–129
9. **Ramesh Chandra Venkata Vemula, BCM Prasad, Kunal Kumar,** Prospective study of complications in neurosurgery and their impact on the health related quality of life (HRQOL) – Proposal of a new complication grading in neurosurgery based on HRQOL. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management 23 (2021) 101002.

Book Chapters

1. Supracerebellar Transtentorial (SCTT) Approach for a Posteromedial Tentorial Meningioma Located in the Mediobasal Temporal Lobe Region in The Operative Atlas of Neurosurgery, Volume IA Compendium of 120 Neuro-oncological, Case-based, Surgical Approaches. Thieme publication.
2. Telo-Velo-Tonsillar Approach to Fourth Ventricular Tumors The Operative Atlas of Neurosurgery, Volume IA Compendium of 120 Neuro-oncological, Case-based, Surgical Approaches. Thieme publications.
3. Far Lateral Approach to a Foramen Magnum Meningioma The Operative Atlas of Neurosurgery, Volume IA Compendium of 120 Neuro-oncological,

Case-based, Surgical Approaches. Thieme publications

4. Infratentorial Supracerebellar (ITSC) Approach to the Posterior Third Ventricular Tumors The Operative Atlas of Neurosurgery, Volume IA Compendium of 120 Neuro-oncological, Case-based, Surgical Approaches. Thieme publications

21.7 CMEs/Seminars/Workshops/Orations conducted by the Dept

The 7th Cherukuri Narasimham and Subhadra Devi chair Oration was conducted on 09.03.2020 by the Department of Neurosurgery, SVIMS, Tirupati. Dr Virender Kumar Jain from Max Hospital, New Delhi was the invited faculty.

22.0 DEPARTMENT OF NUCLEAR MEDICINE

Professor & Head

Dr T.C. Kalawat

Faculty

Dr.Ramyapriya

Senior Residents

Dr K.B.Sricharan

MD PG Junior Residents

Dr D.S. Hemalatha

Dr K.Sai Krishnaja

Dr N.Ajit

Dr T.M.Suma

Dr N.C.Valaiyapathy

Dr K. Sankari

Dr G.Surya Teja

Dr P.Sireesha

22.1 Awards, achievements and felicitations

D.S.Hemalatha, MD Nuclear Medicine 2018 Batch student received **DrMajor General N.LakshmiPathi, Best Paper award** on “Utility of ^{99m}Tc MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia” in the Virtual ANMPI conference, during 2- 3 October-2020.

22.2 Research work

Thesis work

Thesis submitted

1. **NimmagaddaAjit**. Utility of ^{99m}Tc 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. **KanalaSaikrishnaja**.Utility of ^{177}Lu Tetramethylene Diamine Tetra Methylene Phosphonate in metastatic bone pain palliation therapy (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences: 2019

4. **Tammineni Medarametla Suma**.“Utility of ^{99m}Tc SESTA MIBI stress myocardial perfusion scintigraphy in evaluation of coronary artery disease and it's association with Dukes Tread Mill score for risk stratification (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences: 2019

Ongoing Thesis

1. **Kommi Sankari**.Utility of ^{18}F -FDG PET/CT in the Initial Staging and Management of Patients with Oesophageal Carcinoma.(MD). Tirupati: Sri Venkateswara Institute of Medical Sciences: 2019.
2. **N.C.Valaiyapathy**. Utility of Adenosine Stress Induced ECG changes while reading ^{99m}Tc MIBI Myocardial Perfusion Scintigraphy In Evaluation of Coronary Artery Disease.(MD). Tirupati: Sri Venkateswara Institute of Medical Sciences: 2019

22.3 Conferences attended, lectures delivered

Dr T.C. Kalawat, Professor & HoD attended the following

1. Virtual Conference of Association of Nuclear Medicine Physicians of India, during 2- 3 October-2020.
2. Virtual conference of Society of Nuclear Medicine (India) held at AIIMS, Raipur 11-13 December.

22.4 Presentations by Post Graduate students

Post graduate students pursuing MD (Nuclear Medicine) presented the following papers/ Posters at:

Virtual Conference held on 2nd and 3rd October-2020.

1. **N.Ajit**, presented ae-poster on “An uncommon presentation of extra pulmonary tuberculosis masquerading as ovarian malignancy ina young female” on 2-3 October-2020.
2. **Dr K. Sai Krishnaja**, presented a paper on “Utility of Lutetium-177 Ethylene Diamine Tetra Methylene Phosphonate in metastatic bone pain palliation therapy” on 2-3 October-2020.
3. **D.S.Hemalatha**, presented and awarded Dr Major General N. Lakshmi Pathi, **Best Paper Presentation** on “Utility of ^{99m}Tc MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia” in the Virtual ANMPI conference, during 2- 3 October-2020.
4. **D.S. Hemalatha**, presented e-poster on, “Unusual clinical presentation of Anti NMDA receptor auto-immune encephalitis on F-18 FDG PET-CT scan” in the Virtual SNMI conference, during 11- 13 December-2020.
5. **N.C. Valaiyapathy**, presented e-poster on “Utility of F-18 FDG PET-CT in evaluation of primary spinal lymphoma (A rare case presentation).in the Virtual SNMI conference, during 11- 13 December-2020.

22.5 Publications

Original articles

1. **Sriram Parthasarathy, K.Radhakrishna, T.C.Kalawat, B.V.Phaneendra Venkatarama Reddy Vutukuru** Prospective randomised study comparing Billroth II with Braun anastomosis versus Roux-en Y, reconstruction after radical distal gastrectomy for gastric cancer. J Clin Sci Res 2020;9:150-4.
2. **M.Soumya1, Alladi Mohan1, J.Hari Krishna1, K.M.Bhargav1, A.Ravi Sankar2, N.Rukmangadha3, Ranadheer Manthri4** Demographic characteristics, clinical Presentation, risk factors and pathological types of lung cancer: A prospective study. J Clin Sci Res. 2020;9:16-24. (Published: 02-Jun-2020??? Accepted: 28-Dec-2019??? Revised: 17-Oct-2019??? Submitted: 21-Sep-2019).

3. **Ranadheer Mantri, Priyanka Kosana, Ramya Priya Rallapeta, Ravi Parthasaradhi, Sailaja Aka, Tekchand Kalawat***, Siva Kumar Vishnubotla Departments of Nuclear Medicine and Nephrology. Automatic depth correction versus manual depth correction in DTPA renogram in evaluation of GFR in renal transplant donors. Indian Journal of Transplantation | Volume 13 | Issue 4 | October-December 2019 Indian J Transplant 2019;13:259-63.
4. **Ramya Priya Rallapeta1, Ranadheer Gupta Manthri1, Tekchand Kalawat1, Alok Sachan2, AY Lakshmi3, Narendra Hullikal4** “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 2020;35:vol 3:110-15

Original Article

1. **Chandra Teja Reddy Singareddy¹, Ranadheer Gupta Manthri¹, V.S. Krishnamohan¹, K.B. Sricharan¹, Tekchand Kalawat¹, Narendra Hullikal²** “Incremental value of post-high dose therapy 1-31 scan over pre-therapy diagnostic I-131 scan patients with differentiated thyroid cancer: Experience from a tertiary care centre in South India” India J Clin Sci Res-2020; 9:206-12.

Case Reports

1. **Hemalatha DS, Rallapeta RP, Manthri RG, Kalawat TC, Hullikal N, Prayaga A.** Metabolically quiescent paraganglioma in a patient with carcinoma cervix: An unusual presentation Clin. Sc Res 2020;9:180-3

22.6 Other academic activities of significance:

Dr Tekchand Kalawat:

External Examiner for MD, Nuclear Medicine, (On line) Virtual Exams of SGPGIMS, Chandigarh and CMC, Vellore.

23.0 DEPARTMENT OF OBSTETRICS & GYNECOLOGY

Associate Professor & Head i/c

Dr K. Vanaja

Faculty

Dr J.Malathi

Dr B.Akila

Dr M. Usha Brindhini

Dr K.R.Ganesh Kumar

23.1 Fellowship received

1. **Dr Malathi**, Associate Professor received fellowship in Minimal Access Surgery from AMASI on November-2020.

23.2 Publications

1. **Dr M.Usha Brindhini , DrJ.Malathi, DrK.Vanaja, DrRathnamala M.D.** Maternal and Fetal Outcome in Vaginal Birth After Caesarean Section in a Tertiary Care Teaching Hospital in South India. Int J SCI Res 2020;9;28-9.

24.0 DEPARTMENT OF OPHTHALMOLOGY

Professor & HoD

Dr Krishna Murthy

Assistant Professor

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

25.1 Other academic activities

Dr S.B. Amarnath attended as External Examiner of the following

1. Final MBBS part-I ENT examination at Viswabarathi Medical College, Kurnool on 24th November 2020.
2. Final MBBS part-I ENT examination at Kurnool Medical College, Kurnool on 25th November 2020.
3. Final MBBS part-I ENT examination at PES Institute of Medical Sciences College, Kuppam during 26-27 November 2020.

26.0 DEPARTMENT OF PAEDIATRICS

Associate Professor & Head i/c

Dr Punith Patak Nagaram

Faculty

Dr Vamsi Krishna

Dr Shanmugam Billu

26.1 Other academic activities

Dr N. Punith Patak, Assoc. Professor, attended as External examiner for Final Postgraduate Paediatrics examination at SVRRGH, Tirupati during 20-22 October 2020.

27.0 DEPARTMENT OF PATHOLOGY

Professor & Head

Dr N.Rukmangadha

Faculty

Dr Aruna Kumari Prayaga
Dr B.V. Phaneendra

Dr Sivakumar Vulava
Dr B. Deepthi

Dr A. Sreelekha
Dr M. Alekhya

Senior Residents

Dr B.Soumia

Dr E.Krishna Chaithanya

Tutors

Dr G Swyritha
Dr Varaprasad K.G.

Dr Gopinath Reddy V
Dr B. Swathi

Dr R.Thenmozhi
Dr G.Radha Bai

27.1 Research Projects

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 center.

27.2 Research work

Thesis work

Thesis Submitted

1. Dr Swyritha .G: Study of Her2.Neu in colorectal Adenocarcinoma by Immunohistochemistry (MD), Tirupati. Sri venkateswara Institute of Medical sciences; 2020
2. Dr Varaprasad K.G: Usefulness of dual staining with ?- methyl acyl coA racemase (AM ACR / P504S) p63 COCK tail for the detection of prostate carcinoma (MD) , Tirupati. Sri venkateswara Institute of Medical sciences; 2020

Dr B. Vijayalakshmi Devi

Dr N. Anil Kumar

Ongoing thesis work

Dr Gopinath Reddy – study the association between expression of E. Cadherin, Beta catenin and vimentin in primary oral cavity squamous cell carcinoma with lymphnodal metastasis (MD).

Dr B. Swathi – Study of Immunoexpression of Bcl-2, CyclinD1, Ki-67 and P53 in Oral Squamous cell carcinoma.

27.3 Fellowships received

Dr Alekhya. M : Assistant professor was received fellowship for genetic diagnostics in CDFD, Hyderabad, May , 2020.

27.4 Conference attended, lectures delivered

1. **Dr Aruna K prayaga** - attended 32rd conference of the ESP & XXXIII international conference of IAP during 6 - 8 December , 2020
2. **Dr A. Sreelekha & DrB.Deepthi:**
Conference - MIDCON IASO2020
Participated as Panel discussion member
DATE: 1/3/2020

3. CISP II Programme.

DATE: 28th to 29th Sept, 2020

Dr V.Siva Kumar, attended the following

International : Attended Virtual Update on 4th Annual International Precision Oncology & IBC conference on 9th to 11th Oct 2020.

National : attended Indian society of Medical pediatric oncology – ISMPOCON 2020 from 6th to 8th Nov 2020.

27.5 Conference attended

Dr V.Gopinath Reddy attended

1. Virtual cytopathology CME 2020. Indian academy of cytologists UP chapter 13th December, 2020
2. 47th Annual conference of KCIAPM, KAPCON 2020, Virtual conference 2nd to 4th October 2020
3. 2nd Emirates pathologists society meeting held on 24th Sept, 2020 online webinar.
4. DrV. Gopinath Reddy: attend Neuropathology CME held at Narayana Medical college, Nellore on January 19th, 2020.

27.6 Publications

Original articles

Accepted for publication

Deepthi B: Nandyala Rukmangadha, Amit Kumar Chowhan, Aruna Kumari Pryaga, Effusion Cytomorphology of Rhabdomyosarcoma. A rare case of primary superior vena cava obstruction and bilateral effusion. Journal of case reports 2020; No.(1) 33-37.

27.7 CMEs/Seminars/Workshops/Orations conducted by the Dept.

CMEs attended

Dr N. Rukmangadha, attended the following

1. NEURO-ONCOPATH UPDATE-2020, CME on Pathology of brain tumors on 19-1-2020 organized by Dept. of pathology, Narayana Medical college, Nellore, Andhra Pradesh.
2. Participated as faculty in discussion panel on oral malignancies in MIDCON IASO2020 held at Fortune Grand Ridge, organized by Department of surgical oncology, Sri Venkateswara Institute Of Medical Sciences, Tirupati, Andhra Pradesh Dated 29th February-01st March 2020..

Dr Aruna K. Prayaga, attended the following

1. NEURO-ONCOPATH UPDATE-2020, CME on Pathology of brain tumors on 19-1-2020 organized by Dept. of pathology, Narayana Medical college, Nellore, Andhra Pradesh.
2. A CME on Guest speaker CME on an update was conducted on the topic on tumor pathology organised by memo to Medical college on 14th February, 2020.

Dr V.Siva Kumar: attended the following

1. CME on ‘Safe blood and body fluid collection practice during covid-19 time’ –july 2nd 2020 Organised by BD.
2. Attended NEURO-ONCOPATH UPDATE-2020, CME on Pathology of brain tumors on 12-12-2019 organized by Dept. of pathology, Narayana Medical college, Nellore, Andhra Pradesh.
3. Participated as faculty in discussion panel on oral malignancies in MIDCON IASO2020 organized by Department of surgical oncology, Sri Venkateswara Institute Of Medical Sciences, Tirupati, Andhra Pradesh Dated 29th February-01st March 2020.

Dr B.Deepthi : attended the following

1. Attended NEURO-ONCOPATH UPDATE-2020, CME on Pathology of brain tumors on 12-12-2019 organized by Dept. of pathology, Narayana Medical college, Nellore, Andhra Pradesh.

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2. Attend CME on TAPCON – 2020 from 10th to 12th July, 2020.
1. Dr Swyritha .G: attend Neuropathology CME held at Narayana Medical college, Nellore on January 19th , 2020.
2. Dr Varaprasad K.G: attend Neuropathology CME held at Narayana Medical college, Nellore on January 19th , 2020.
3. Dr Swathi . B –attend Neuropathology CME held at Narayana Medical college, Nellore on January 19th , 2020.

27.8 Other academic activities

DR N.RUKMANGADHA: attended as

1. DrN.Rukmangadha was internal examiner for 2nd MBBS Examination from 17-02-2020 to 22-02-2020.
2. DrN.Rukmangadha attended as External examiner for 2nd MBBS Examination at: - Devarajurs Medical college, Kolar, from 23-01-2020 to 25-01-2020 -

Sri Venkateswara Medical College, Tirupati from 04-03-2020 to 07-03-2020.

MD Pathology examiner -

As internal examiner for MD pathology exam held on 25-06-2020 to 26-06-2020.

As external examiner to SRI VENKATESWARA MEDICAL COLLEGE, TIRUPATI, for MD Pathology from August 31st to September 5th 2020

As external examiner BANGALORE MEDICAL COLLEGE, BENGALURU, for conducting MD pathology from November 30th to December 2nd 2020.

As external examiner to SRI VENKATESWARA MEDICAL COLLEGE, TIRUPATI, for MD Pathology from December 17th to 18th 2020.

Dr B.Deepthi, Online Course – PLACENTAL AND TROPHOBLASTIC PATHOLOGY – 5 CPD POINTS on 8th July, 2020. By the BRITISH ASSOCIATION OF GYNAECOLOGICAL PATHOLOGISTS.

28.0 DEPARTMENT OF PHARMACOLOGY

Professor & Head

Dr K. Umamaheswara Rao

Faculty

Dr K.R. Subash

Dr K. Vijaya Chandra Reddy

Dr G. Ravindra Kumar

Dr C. Pallavi

Tutor

Mr.K. Manjunath

28.1 Research Projects

Research projects completed

National :

Dr C. PALLAVI : An open label study to evaluate the safety and efficacy of oral

Arboreum plus, a herbal liquid formulation in the treatment of diabetic foot syndrome. (ICMR – STS project) funding agency:

ICMR Scholarship Rs.20,000/- received by the student in year 2020.

Ongoing Research Projects

National

Dr . K.R.SUBASH – Ethnopharmacology Research proposals on following herbs using small animal experiments and bioinformatics tools.

1. **Achyranthes aspera linn**
2. **Piper betle**
3. **Plectranthus amboinicus**
4. **Stemona tuberosa Lour.**

Preliminary approval obtained from H.O.D for permission and guidance **Dr VIJAYA CHANDRA REDDY KONDA**, Title: “Effect of ‘Heartfulness’ Meditation

Practices on Endothelial Function and Inflammation in Patients with Coronary Artery Disease”

Dr C. PALLAVI: A study to evaluate the prescription pattern of Antimicrobials in patients with chronic kidney disease in a tertiary care hospital

28.2 Conferences attended, lectures delivered

National

1. **Dr K. Umamaheswara Rao** Attended Andhra Pradesh Pharmacologists Society Second State Conference – 2020 held on 4th & 5th December 2020 on Virtual Platform at Kurnool Medical College, Kurnool.

Dr K R Subash attended the following

1. Delivered lecture on “**Efficacy of integrative medicine - Preclinical aspects**” at National workshop on scope of integrative medical treatment in clinical practice (**SMITI-2020**) on Jan-3rd organized by CCRS- India and Siddha clinical research unit-Tirupati at SVIMS university.
2. Presented a paper (poster) on “**Personalized and Precision Medicine –A business opportunity to grab with minimal investment and great health economics**” at the two day symposium on biomedical innovation and small business opportunities held on Jan 22-23 2020 at SVIMS-Tirupati.

Dr Vijaya Chandra Reddy Konda

1. “International E-conference on Covid-19 Global Impacts” organized online by African-British Journals on 20-21st July 2020.

Annual Report 2020

2. The virtual national conference titled “Values Today, Civilization Tomorrow” from 2nd to 4th October 2020 conducted by Heartfulness Education Trust.
3. National online conference on “Challenges in Implementation of the Competency Based Medical Education” organized by Medical Education Unit, SRM Medical College Hospital and Research Centre from 6th to 7th November 2020.
4. Online second state conference of Andhra Pradesh Pharmacologists Society, APPSCON-2020 organized by Kurnool Medical College, Kurnool, Andhra Pradesh from 4th to 5th December 2020.
5. An oral session on “Role of Meditation in Cardiovascular Diseases” in the symposium on ‘Biomedical Innovations and Small Business Opportunities’ held at SVIMS, Tirupati from 22nd to 23rd January 2020.
1. **Dr C. Pallavi** Attended Andhra Pradesh Pharmacologists Society Second State Conference – 2020 held on 4th & 5th December 2020 on Virtual Platform at Kurnool Medical College, Kurnool.

28.4 Publications (Vancouver style)

1. Publications in indexed journals

Dr K. R. Subash

Subash K R, S. Haripriya, Computational screening and in silico docking analysis of non-selective beta-blockers over beta-3 adrenergic receptors. Natl J Physiol Pharm Pharmacol. (2020), [cited January 01, 2021]; 10(3): 226-231. doi:10.5455/njppp.2020.10.1239020192508012020.

Dr C Pallavi

Pallavi Chalivendra, Nurul Hameed Shaik, Hari Prasad Balapalli, Murali Krishna Parasaram, Bhavya Bommadi, Sai Anjani Ravanam, Subha Attili The safety and efficacy of oral Arborium plus, a herbal liquid formulation in the treatment of diabetic foot syndrome: an open label study. Int J Basic Clin Pharmacol. 2020 Apr;9(4):528-532.

28.5 CMEs/Seminars/Workshops/Orations conducted by the dept.

1. A CME on “**Bone Metabolism**” was organized by Pharmacology in association with the dept. of

Biochemistry & Endocrinology, SVIMS on 14 March, 2020.

2. Workshop for Pharm -D students on “**Pharmacovigilance and Reporting of Adverse drug Reactions**” was conducted during 21-23 December 2020.

28.6 CMEs/Seminars/Workshops attended

Dr K. Umamaheswara Rao attended

1. Symposium on “Biomedical Innovations and Small Business Opportunities” Jan, 22nd & 23rd, 2020.
2. “Training of AMCs under RRC-NIMS on ADR Reporting from in COvid-19 conducted by NIMS, Hyderabad on 15-12-2020.
3. “Pharmacovigilance Programme of India for Assuring Drug Safety” on 16-12-2020, conducted by ADR monitoring Centre, Indira Gandhi Medical College & Research Institute, Puducherry.
4. A webinar on “Vaccine Safety : Basics to Advanced” held on 19, December, 2020 organized by Regional Training Centre for South Zone, Department of Clinical Pharmacy, JSS Medical College and Hospital, Mysuru and Pharmacovigilance Programme of India, IPC, Ghaziabad.
5. Resource person in the workshop on “Pharmacovigilance and Reporting of Adverse drug reactions” held on 21-12-2020 at SVIMS-SPMCW-Tirupati.

Dr K.R. Subash

1. **Coronavirus: Fact or Fiction?** March 7, 2020 conducted by Accreditation Council For Continuing Medical Education (ACCME), U.S.A for health care professionals.
2. Comprehensive, Multidisciplinary T2DM Management for Reduced Risk of Cardiovascular and Renal Complications: **The Emerging Role of SGLT2 Inhibitors** May 23, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
3. **Should Psychedelics Be Used to Treat Psychiatric Disorders?** May 25, 2020. Conducted by Accreditation Council for Continuing Medical

Education (ACCME), U.S.A for health care professionals.

4. **Antiarrhythmic Drugs in AF: A Deep Dive Into Recent Real-World Data** May 25, 2020. Conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
5. **Can an Aspirin a Day Keep Dementia at Bay?** May 25, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
6. **Safety Considerations for the Selection of Insomnia Pharmacotherapies in Older Adults** June 2, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
7. **A Clinician's Guide to Making Sense of Metagenomics** July 3, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
8. **How Low Should We Go With Elderly Hypertension Control?** July 29, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
9. **Do Antidepressants During Pregnancy Cause Birth Defects?** October 31, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
10. **Guidelines From Canada on Treating Obese Individuals** October 31, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
11. **What Is the Impact of Yoga on GAD?** October 31, 2020. conducted by Accreditation Council for Continuing Medical Education (ACCME), U.S.A for health care professionals.
12. Participated as a delegate in the online National Symposium on "Competency Based Medical Education in Pharmacology conducted by the

Department of Pharmacology, Chettinad Hospital & Research Institute (CHRI), Tamilnadu on December 23, 2020.

13. Attended the 20th National Seminar on **"Simulation in Physiology and Pharmacology"** E-Conference organized by Association of physiology and Pharmacology of INDIA during 18th - 20th June 2020.
14. The Workshop on **"Good Laboratory Practices Training"** organized by The Vinayaka Mission research foundation on 2nd July 2020.
15. Participated as Resource person in the workshop on **"Pharmacovigilance and Reporting of Adverse drug reactions"** held on 21st December 2020 at SVIMS-SPMCW-Tirupati.

Dr K.Vijaya Chandra Reddy attended

- 1 symposium on "Biomedical Innovations and Small Business Opportunities" organized by Sri Venkateswara Institute of Medical Sciences and Sugan Life Sciences Private Limited, Tirupati from 22nd to 23rd January 2020.
- 2 National seminar on "Simulation in Physiology and Pharmacology" conducted online by Jawaharlal Nehru Medical College, Belagavi from 18th to 20th June 2020.
- 3 Workshop on "Good Laboratory Practice and Good Clinical Laboratory Practice" organized by Vinayaka Mission's Research Foundation on 2nd July 2020.
- 4 Webinar on "Implementing Competency Based Medical Education during COVID Pandemic" on 10th July 2020 conducted by Medical Education Unit, SRM Medical College Hospital & Research Centre.
- 5 Webinar on "Computerized Assessment & Blended Learning in Medical Education" organized by Narayana Medical College, Nellore, Andhra Pradesh on 20th July 2020.
- 6 Virtual symposium on "E- Learning Development, Delivery and Assessment" organized by Sri Siddhartha Institute of Medical Sciences & Research Centre, Bengaluru Rural, Karnataka from 23rd to 25th July 2020.

- 7 Webinar on “Research in Pharmacovigilance in the age of COVID-19” organized by Regional Training Centre for South Zone, Department of Clinical Pharmacy, JSS Medical College & Hospital, Mysuru in association with Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ghaziabad on 29th July 2020.
- 8 Webinar on “The Role of Translational Medicine in the development of physiologically relevant disease platforms” organized by AarupadaiVeedu Medical College on 7th August 2020.
- 9 “International Webinar on Bioethics in the COVID Pandemic” organized by Bioethics Unit, Sri Ramachandra Institute of Higher Education & Research in collaboration with the Department of Education, UNESCO Chair in Bioethics, Haifa on 27th August 2020.
- 10 National webinar on “Simulation Based Medical Education” organized by Amrita Institute of Medical Sciences & Research Centre, Kochi on 15th September 2020.
- 11 National webinar on “Continuous Quality Improvement in Health Sciences University” organized by Internal Quality Assurance Cell, Sri BalajiVidyapeeth on 6th October 2020.
- 12 National webinar on “Evaluation in Higher Medical Education” organized by Sri BalajiVidyapeeth on 21st October 2020.
- 13 16th national webinar on “Role of Digital Literacy and Health Data Literacy in Medical Education” organized by Department of Medical Education, JIPMER on 5th November 2020.
- 14 Webinar on “Vaccine Safety: Basics to Advanced” organized by Regional Training Centre for South Zone, Department of Clinical Pharmacy, JSS Medical College & Hospital, Mysuru in association with Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ghaziabad on 19th December 2020.

Dr C Pallavi

1. Webinar on “Vaccine Safety : Basics to Advanced” held on 19th December, 2020 organized by Regional Training Centre for South Zone, Department of

Clinical Pharmacy, JSS Medical College and Hospital, Mysuru and Pharmacovigilance Programme of India, IPC, Ghaziabad.

2. Resource person in the workshop on “Pharmacovigilance and Reporting of Adverse drug reactions” held on 21st December 2020 at SVIMS-SPMCW-Tirupati.

28.7 Other academic activities of significance

Dr K.Umamaheswara Rao

1. Participated as Member IAEC [SVIMS-SPMC(W)] and obtained approval recommendation for yearly license validity by IAEC for SVIMS university by external experts of CPCSEA members
2. **Dr K. Umamaheswara Rao & Dr C. Pallavi** have established Ethnopharmacology garden to train undergraduates and postgraduates on Medicinal plants.

Dr K R Subash

1. Attended as External Examiner M.B.B.S U.G Examination from 10th to 15th feb at Tezpur Medical college Guwahati 24th to 26th feb 2020 at SBMC&H-chennai, in Nov 2020 at SVMC-tirupati for Dr NTR University-A.P,
2. As Member Secretary IAEC [SVIMS-SPMC(W)] successfully conducted Bi-Annual Meeting and obtained approval recommendation for yearly license validity by IAEC for SVIMS university by external experts of CPCSEA members.
3. Promoted as Professor and joined duty on 04-12-2020 in department of Pharmacology.
4. As Member Secretary IAEC [SVIMS-SPMC(W)] successfully conducted Bi-Annual Meeting and obtained approval recommendation for yearly license validity by IAEC for SVIMS university by external experts of CPCSEA members.

Dr Vijaya Chandra Reddy Konda

1. As completed online certificate course on “Resilience in Crisis” conducted by Heartfulness Education Trust from 4th to 9th August 2020.
2. Guided a MBBS student for conduct of project work on “Antimicrobial drug usage and clinical outcomes

in multidrug resistant gram negative bacterial infections in a tertiary care teaching hospital” and was approved by ICMR for Short Term Studentship (STS) 2019. (Ref. No. 2019-03227)

3. Participated in the 12th Annual One week Online International Course in “Health Research Methodology & Evidence Based Medicine” organized by St. John’s Medical College and Research Institute, Bengaluru in collaboration with McMaster University, Canada from 23rd to 28th November 2020.
4. Delivered a guest lecture on “Role of Pharmacists in Combating Antimicrobial Resistance” organized by Department of Pharmacy Practice, SreeVidyanikethan College of Pharmacy, Tirupati on 10th December 2020.
5. The resource person for the conduct of workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ conducted by Adverse Drug Reaction Monitoring Centre, Department of Pharmacology, SVIMS from 21st to 23rd December 2020.
6. The external examiner for the conduct of Pharmacology practical examinations for 2nd MBBS course in medical colleges affiliated to Dr NTR University of Health Sciences, Vijayawada, Andhra Pradesh.
1. **Dr C. Pallavi** delivered a lecture on “Role of Bisphosphonates in the management of Osteoporosis” in the integrated CME organized by Department of Pharmacology with Endocrinology and Biochemistry at SVIMS.

PHARMACOVIGILANCE PROGRAMME OF INDIA (PVPI) 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. Total 47 Adverse Drug Reactions were reported from various departments of SVIMS from January, 2020 to December, 2020.

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’ from 21-12-2020 to 23-12-2020 to improve ADR Reporting.

PHARMACOVIGILANCE COMMITTEE

Pharmacovigilance Committee (PVC) was reconstituted on 01-11-2019 with the following the members:

1. Dr Sharan B Sing .M, Principal, Chairman
2. Dr Alok Sachan, Prof. & HOD of Endocrinology, Co-Chairman
3. Dr K. Umamaheswara Rao, Prof. & HOD of Pharmacology, Co-ordinator
4. Dr K. Vijaya Chandra Reddy, Associate Professor of Pharmacology, Deputy Co-ordinator
5. Dr Y. Mutheeswaraiiah, Professor of General Surgery, Member

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6. Dr Katyaramal, Associate Professor of Medicine, Member
7. Dr K. R. Subash, Associate Professor of Pharmacology, Member
8. Dr Punith Patak, Assoc. Prof. of Paediatrics, Member
9. Dr A. Surekha, Assistant Professor of Dermatology, Member
10. Mrs. Prabhavathi, Nursing Superintendent, Member

CAUSILITY ASSESSMENT COMMITTEE

Causality Assessment Committee (CAC) is to establish a causal relationship between the adverse events and drugs of the reported cases with the following are the members:

1. Dr K. Umamaheswara Rao, Prof & Head of Pharmacology - Chairman
2. Dr B. Siddhartha Kumar, Prof. of Medicine - Member
3. Dr K. Vijaya Chandra Reddy, Asst. Professor of Pharmacology - Member
4. Dr N. Punith Patak, Associate Professor of paediatrics - Member
5. Dr A. Surekha, Assistant Professor of Dermatology - Member

CAC met periodically and assessed causality of each reported ADR case.

The main activities related to PTC are:

1. Prescription audit
2. Hospital Formulary
3. Storage of Medication in Pharmacy, OTs, Wards & ICUs
4. Medication errors & ensuring patient safety
5. ADR reporting
6. Monitoring of Narcotics usage, Chemotherapeutic drug usage & usage of Implantable prosthesis and Medical devices, Radioactive drugs

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
3. SPMCW Pharmacy

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 by Dept. of Pharmacology & from then onwards it is being maintained by Pharmacology department.

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.

Biannual meeting was completed in the year of 2020 CPCSEA accepted the following as IAEC, SVIMS members

S. No	Name of the IAEC Members	Designation in IAEC
1	Dr Sharn B. Singh	Scientist from different discipline, (Chairperson)
2	Dr K.R. Subash	Biological Scientist, (Member Secretary)
3	Dr K. Umamaheswara Rao	Scientist from different discipline
4	Dr PVGK Sarma	Scientist Incharge of Animal House Facility
5	Dr R.V. Suresh	Veterinarian

CPCSEA nominated the following members to IAEC, SVIMS

S.No	Details of Nominee (s)	Nominated as
1	Prof. K. Sathyavelu Reddy Professor, Dept. of Zoology, S.V.U. College of Sciences, S.V. University, Tirupati – 517 502, Andhra Pradesh.	Main Nominee
2	Prof. R.Nagaraju Institute of pharmaceutical technology, Sri padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, Andhra Pradesh.	Link Nominee
3	Dr Santhrani Thakur Professor, Institute of pharmaceutical Technology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, Andhra Pradesh.	Scientist from outside of the Institute
4	Prof. of Y.V. Rami Reddy Sri Venkateswara University, Tirupati – 517 502, Andhra Pradesh	Socially aware Nominee

As requested by CPCSEA a meeting was convened with constituted IAEC members on 27-10-2018 and the minutes of the meeting were forwarded to the O/o CPCSEA, New Delhi.

PHARM - D TRAINING PROGRAMME

Department of Pharmacology trains 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

PharmD Co-ordinator - Dr K. Umamaheswara Rao
Depty. Co-ordinator - Dr C. Pallavi

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
1	Dr K. Umamaheswara Rao	1,2,3
2	Dr K.R. Subash	4,5,6
3	Dr K. Vijaya Chandra Reddy	7,8,9
4	Dr C. Pallavi	10,11
5	Dr G. Ravindra Kumar	12,13

3. Activities include

1. Pharmacy Quality Audit Check Committee: 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, Dispensing and safety.
2. Pharmacology faculty conduct inspections of all operation theatres & recovery rooms, Cathlab, ICUs and all the wards in SVIMS & SPMCW Hospital to look and improve the difficulties faced in implementation of the NABH standards.
4. 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

Tutor

Mrs.K.Pujitha

Mrs.M.Hari Priya

Mrs.P.Vani

Research Scholar

Mr. K. Munisekhar

Mrs. K. Pujitha

Mrs. M. Hari Priya

29.1 Awards, Achievements and Felicitations

Fellowships awarded (National)

DrG.Sunil Naik, Assistant professor was awarded Fellowship in Clinical Nutrition by MEDVARSITY, Hyderabad on 8th January, 2020.

29.2 Research Projects

1. Research projects completed: NIL

2. 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

Mr.K.Munisekhar, PhD Scholar: Effects of (Cow) Ghee on Lipid Peroxidation and Lipid Profile changes in healthy human volunteers before and after consuming.

Mrs.K.Pujitha, PhD Scholar: The Effect of Heartfulness meditation on Biomarkers of stress in young healthy female students.

Mrs.M.Haripriya, PhD Scholar: Effect on Heartfulness meditation practioners on oxidative stress markers in Patients with coronary artery diseases.

29.4 Conferences attended, lectures delivered

DrN.Sharvani

Webinar on "Mind-body integration on for wellness" conducted by ICMR-NIN on 5th, 13th, 15th and 19th Aug' 2020.

DrG.Sunil Naik,

Attended the International conference of Yoga & Neurosciences YANTRA 2020, conducted by NIMHANS, Bengaluru on 9th, 10th, 15th & 17th October 2020.

29.5 CME's / Seminar / Workshops / Orations conducted by the department

1. In a CME conducted on "ASPHYXIA" conducted by three Dept. of Physiology, Pathology and Forensic Medicine on 11th January 2020.

DrG.SUNIL NAIK: CME talk on "ASPHYXIA" on 11th January 2020

29.6 CME's /Seminar/Workshops attended

DrSHARAN B SINGH M

CME on "ASPHYXIA" at SVIMS on 11th January 2020.

CISP2 Speaker for online and offline.

Dr N. Sharvani

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

Dr Arpana Bhide

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

Dr G. Sunil Naik

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

Mr.K.Muni Sekhar

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

Mrs.K.Pujitha

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

Mrs.M.Hari Priya

CME on “ASPHYXIA” at SVIMS on 11th January 2020.

29.7 Other academic activities

Dr Sharan B Singh M,

1. Principal for SVIMS-SPMC(W), Tirupati
2. Chairman for University Sports Board w.e.f.01.07.2017 at SVIMS, Tirupati
3. Purchase committee member at SVIMS, Tirupati
4. Online training CISP2 by CMC Vellore, 08.09.2020
5. Participated as a faculty in Curriculum implementation support programme II in medical education technologies conducted by CMC, Vellore, Nodal Centre in Medical Education Technologies at SVIMS, SPMC(W), Tirupati on 28/09/2020 and 29/09/2020. Delivered a guest lecture and topics.
6. Attended first contact course of ACME 10 (Advanced course in Medical Education) conducted by CMC, Vellore from 19/10/2020 to 23/10/2020.

Dr Sharvani,

1. Assistant Dean Student affairs, SVIMS University
2. Medical Education Unit Member
3. Undergone Basic course in Biomedical Research cycle-2 conducted by SWAYAM- A Govt. platform for online courses, in association with ICMR -NIN

Dr Arpana Bhide

1. As a Deputy Warden, SVIMS University
2. Medical Education Unit Member
3. Attended CISP II (curriculum implementation support programme) at CMC, Vellore on 25/02/2020 and 26/02/2020.
4. Attended a two day workshop on simulation on 27/02/2020 and 28/02/2020 at SVIMS simulation system.
5. Completed Basic Course in Biomedical Research in June 2020.
6. Participated as a faculty in Curriculum implementation support programme II in medical education technologies conducted by CMC, Vellore, Nodal Centre in medical education technologies at SVIMS, SPMC(W), Tirupati on 28/09/2020 and 29/09/2020.
7. Attended BLS training program on 13/10/2020 at SVIMS simulation system as an instructor.
8. Attended ACLS training program on 14/10/2020 and 15/10/2020 at SVIMS simulation system as an instructor.
9. Attended first contact course of ACME 10 (Advanced course in Medical Education) conducted by CMC, Vellore from 19/10/2020 to 23/10/2020.
10. Attended a three day workshop on simulation (third level training program) from 7th to 9th December 2020 at SVIMS simulation system.
11. Presented the topic “Short term regulation of blood pressure” on 19.03.2020 during Thursday topic presentation.

30.0 DEPARTMENT OF PSYCHIATRY

Associate Professor & HoD i/c

Dr B. Shivanandh

Faculty

Dr D.Triveni

Senior Resident

Dr G. Swetha Rao

30.1 Conference attended, Lectures delivered

1. Dr Triveni, attended ANCIOs – Kolkata in Kolkata during Jan 2020.

30.2 Presentations by Postgraduate students

1. Role of religion on medication adherence in schizophrenia (submitted Archives Journal of Psychiatry Triveni. D, Crover. S, Role of religion on medication adherence in schizophrenia.

30.3 CMEs/Seminars/ Workshops/ Orations conducted by the department

Dr G. Swetha Rao, Senior Resident attended the following

1. Webinar – Cinema based psychiatry – Learning series on Dec 17, 2020.
2. Webinar on Medicourt – 2020 – Medico legal education and teleconsultation on Dec 2020.
3. Online Master class on corona virus and mental health issues – Role of Psychiatrist on Dec 2020.
4. Webinar – IPSOCON 2020 on 30,31 Oct and 1st Nov 2020.
5. Webinar on Lamotrigine – Experience of two decade – 17th Oct 2020.
6. Webinar on “The inflammation hypothesis of major depression – thirty years of progress from bench to clinic – 1st Oct 2020.
7. Webinar on Depression with anxiety -30th Sep 2020.
8. Webinar on Neuroleptic induced movement disorders – 17th Oct 2020.
9. Webinar on Newer pharmacological options in the management of schizophrenia – 12th June 2020.
10. Webinar on Bipolar case series – 9th June 2020.
11. Webinar on Impact of COVID-19 on mental health esp depression – 10th April 2020.
12. Webinar on coping with COVID -19 – 7th April 2020.
13. Webinar on Healing ruptured relationships
14. Perspectives and challenges – 3rd April 2020

31.0 DEPARTMENT OF PLASTIC SURGERY

Professor & Head

Dr Praveen Kumar Reddy C.V

31.1 Conferences / Webinars attended

Nose Plasty on 26th April 2020 (Virtual)

Adult Brachial Plexus Injuries on 1st May 2020 (Virtual)

Management of Burns on 17th October 2020 (Virtual)

Outcomes in Complex Reconstructions on 10th December 2020 (Virtual)

31.2 Papers published

Original Research Article:

1. Reddy CVPK, Surekha A. A comparative study on treatment of keloid with triamcinolone versus 5-fluorouracil and triamcinolone. Int Surg J 2020;7.

31.3 Other academic activities

Dr C.V.Praveen Kumar Reddy has been promoted from Associate Professor to Professor, i/c HoD Plastic Surgery Department in December 2020.

32.0 DEPARTMENT OF RADIO-DIAGNOSIS

Professor & Head

Dr A.Y. Lakshmi

Faculty

Dr B. Vijayalakshmi Devi
Dr K. Silpa

Dr S.Sarala

Dr Pavan Kumar G Kale

Senior Residents

Dr B.Chandana
Dr Sathyanarayana

Dr N.Siva Sahas Reddy
Dr Vinod

Dr S.Theja

Tutor cum PG Junior Residents

Dr Harshit
Dr Subramanyam
Dr Prasanthi
Dr Sahitya
Dr Ragini
Dr C.Bhavani
Dr.P.Jyothirmayi

Dr Vishnu
Dr Sravani
Dr Akhil
Dr Sunay
Dr Dilip
Dr Sana Asfiya
Dr G.Naveen Kumar

Dr Venkatesh
Dr Shalini
Dr Meghana
Dr Bharath
Dr P.Pooja Venavi
Dr V.Manasa
Dr.B.C.Sanjay

32.1 Awards, achievements and felicitations

DrA.Y.Lakshmi was awarded Certificate of appreciation and Honour by Indian Radiological and Imaging Association on 5th september 2020.

32.2 Research work

1. Thesis work

1. Thesis submitted

DrSravani. Prospective study of whole body diffusion weighted imaging compared with 18F-18 FDE – PET-CT in staging of lymphomas, SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

DrShalini Devi. Utility of perfusion weighted MRI and MR spectroscopy in pre operative glioma grading. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

DrVishnu. Diagnostic performance of prostate imaging reporting and data system version 2 (PIRADS V2) for detection of prostate cancer. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

DrPrasanthi. Observational study on computed Tomography guided percutaneous nephrostomy. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020.

DrS.Subramanyam.To Study the utility of High Resolution Ultrasound and Magnetic Resonance Imaging in patients presenting with shoulder joint pain . SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

DrHarshith. Study of changes in mean diffusivity and fractional anisotropy in intra-axial brain lesions and its utility in management SVIMS, Tirupati,

Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

DrVenkatesh. MR fistulography with percutaneous instillation of aqueous jelly in pre operative evaluation of peri anal fistulas. SVIMS, Tirupati, Andhra Pradesh (MD). Tirupati:Sri Venkateswara Institute of Medical Sciences; 2020

2. Ongoing thesis work

DrSunay. Determining Gastric Cancer Resectability by multidetector computed Tomography (M.D).

DrSahitya. Assesment of Ultrasound as a diagnostic biomarker for prognosis of breast cancer Prospective observational study (M.D).

DrDilipkumar. Study of white matter hyperintensities and their association with symptoms (M.D).

DrMeghana. Diffusion weighted imaging with ADC mapping in differentiation of globastoma from solitary metastatic lesions (M.D).

DrAkhil Anirudh. Role of apparent diffusion coefficient or a biomarker in the evaluation of cervical cancer (M.D).

DrRagini. Magnetic Resonance Imaging Morphological features, Iliolumbar ligament location for Characterization of Lumbosacral Transitional vertebrae (M.D).

DrBharth Kumar. Ultra sound Evaluation of thyroid nodules based on ACR TIRADS and pathological correlation (M.D).,

32.3 Conferences attended, Lectures delivered

1. International

- Nil -

National

Conferences attended by Faculty

Dr A Y Lakshmi attended

1. One of the faculty in 7th Society of Emergency Radiology Conference conducted virtually on November 6th-7th, 2020

2. One of the jury in RAD ASPIRE QUIZ conducted virtually on December 12th 2020.

32.4 Presentations by PG students

Final Year PG's

Dr Sravani

Prospective study of whole body diffusion weighted imaging compared with 18F-18 FDE – PET-CT in staging of lymphomas at IRIA Global Radiology Conclave at on 20th December 2020.

Poster presentation – Picotrial review of solid and cystic masses in Neck at Chennai on Feb 5th 2020.

Attended 6th Annual conference AP IRIA on online on 20th Sept 2020.

Dr Shalini Devi

Paper presentation - Utility of perfusion weighted MRI and MR spectroscopy in pre operative glioma grading at IRIA Global Conclave Conference on online during 24 - 27 December 2020.

Paper for Gold medal competition – Utility of MRS in glioma grading at KSR Gold medal competition at NIMS during 21- 22 December 2020.

Dr Vishnu

Paper presentation – Utiligy of apparent diffusion coefficient (ADC) value in differenation of benign and malignant lesions of prostate and comparision of ADC value and ratio with gleason score at 6th Annual virtual state conference TS IRIA on 18th Oct 2020

Poster presentation – Tail gut cyst – A tail not to be neglected at 6th Annual conference AP IRA during 26th – 27th Sept 2020.

Dr Subramanyam

Paper presentation – Role of 128 slice Multi-detector computed tomography in diagnosis of small bowel obstruction on online IRIA – ICRI IREP ONLINE October & Novermber 2020.

Poster presentation – Vascular complications of Pancreatitis at 6th Annual virtual and state conference 2020 on 11th & 18 th october 2020.

Dr Venkat

Paper presentation – Diagnostic utility of MR fistulography in preoperative evaluation of istula in Ano. at Virtual conference KSR gold medal completion, NIMS during 21 - 22 December 2020

Poster presentation – Muscle involvement in Duchenne Muscular dystrophy at Virtual conference 6th annual conference of APIRIA during 26-27th September 2020.

Dr Harshit

India brain connectivity bootcamp : diffusion tensor imaging 2020 attended conference at NIMHANS, Bangalore during 5 - 7, February 2020.

Poster presentation – Calcium white to Caseous black, the various shades of abdominal TB – A pictorial review virtual conference at IRIA – Telengana state on 18th Oct 2020.

Paper presentation – Role of peritumeral fractional anisotropy and mean diffusivity in predicting the extent of resection in intra axial brain neoplasm virtual conference at IRIA – Telengana state on 11th Oct 2020.

Conference attended – Update on hepatobiliary, GI and pancreatic imaging virtual conference at IRIA – Telengana state on 18th Oct 2020.

Conference attended – KSR gold medal competition virtual conference at NIMS on 26th December 2020.

32.5 Publications

Settem T, Bodagala VD, Kishore K H, Kale PK, Lakshmi A Y, Yootla M, Hulikal N, Nandyala R. Correlation of diffusion weighted apparent diffusion coefficient values with immunochemical prognostic factors of breast carcinoma. J NTR Univ Health Sci 2020;9:241-4

Kondeti K, Devi B V, Lakshmi A Y, Chandra A. Role of color Doppler ultrasound and MDCT angiography in the evaluation of peripheral arterial disease. J NTR Univ Health Sci [serial online] 2020 [cited 2021 Jan 15];9:86-91.

Goud S, Devi B V, Kale PK, Lakshmi A Y, Reddy V V. To study diagnostic efficacy of ultrasound and magnetic resonance cholangiopancreatography in obstructive jaundice. J NTR Univ Health Sci 2020;9:217-21

33.0 DEPARTMENT OF RADIOTHERAPY

Professor & HoD

Dr B.V.Subramanian

Faculty

Dr Pranabandhu Das
Dr Dinakar Kootala

Dr B. Sreenivasa Rao
Dr V. Pavan Kumar Reddy

Lecturer in Radiological Physics

S. Balaraju
M.Sangeetha
A.Praveen kumar

A.Srinivasa Raghava
N.Saidulu

J.Anitha Kumari
M. Manmohan

Senior Residents

Dr G.V.Deepthi

Dr .C.Praneetha

Dr J.Mohan krishna

PG Junior Residents

Dr Gudi Haripriya
Dr Anusha G
Dr K. Sravani

Dr V. Divya Sowjanya
Dr Pittala Harika Bhavani
Dr Angelina Shiny

Dr Budithi Sravanthi
Dr Rodda Yamini Kumar
Dr Soubhagyavati Susan

33.1 Research Work

Thesis work

Thesis submitted

1. Ausha G. Effect of Topical 1% Hydrocortisone in prevention of Radiation dermatitis in head and neck and breast cancer patients receiving Radiation therapy (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. Haripriya. Dosimetric Comparison between Intensity Modulated Radiotherapy (IMRT) and three dimensional conformal Radiotherapy (3D-CRT) in Carcinoma Esophagus (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

3. Sravani. A Comparative study of weekly versus three weekly cisplatin chemotherapy given concurrently with Radiotherapy in locally advanced head & neck cancers (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing Thesis work

1. **Divya Sowjanya**. A prospective study to assess the impact of patient immobilization using a belly board device on small bowel toxicity among patients with carcinoma cervix receiving pelvic external beam radiotherapy (MD).
2. **Harika Bhavani**, A Prospective study of comparison between non volumetric point based and three dimensional image based intracavitary brachytherapy in treatment of carcinoma cervix (MD).

3. **Angelina Shiny**, A comparative study of concomitant boost Radiotherapy versus conventionally fractionated chemo radiotherapy in locally advanced carcinoma of head and neck (MD).

33.2 Conferences attended, lectures delivered:

National:

1. **Dr Pranabandhu Das**, attended 5th edition Apollo Cancer Conclave & 8th edition Cancer CI 2020 at Hyderabad during 14th – 16th February 2020.

33.3 Publications :

1. **Sreenivasa Rao B.** The outcomes of Radiotherapy as a curative intent for Carcinoma Cervix in human

immune deficiency virus (HIV) reactive patients in the era of anti retroviral therapy. Int J Med Sci Cur Res 2020;3:261-5.

33.4 CMEs/Seminars/Workshops/Orations conducted by the dept. :

1. **Dr Dilip kumar Parida**, Professor & HOD, Dept. of Radiation Oncology, AIMS, Bhubaneswar delivered a Lecture on topic “Is Brachytherapy relevant in the era of Conformal Radiotherapy” in Sri Venkateswara Institute of Medical Sciences on 20th March 2020.

34.0 DEPARTMENT OF RHEUMATOLOGY

Associate Professor & HoD i/c

Dr K.Sirisha

Junior Resident

Dr G.Yamini

34.1 Research work :

1. Thesis submitted-
Post graduate thesis:
1. Utility of ^{99m}Tc-MDP blood pool SPECT in early detection of inflammation in arthritis and arthralgia.
2. Assessment of pulmonary function in rheumatoid arthritis and its correlation with disease severity by Disease Activity Score 28.

PHARM D thesis:

1. A prospective study on pain intensity and coping strategies in patient's suffering with rheumatoid arthritis"
2. Ongoing Research work:
Post graduate thesis: Burden of hepatitis B, hepatitis C and human immunodeficiency virus associated arthritis in patients with rheumatic diseases.

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 A. Lokesh Arora

Dr Sudish D

Dr Prudhvi Raj K

PDF Residents

Dr Reddy Dilip Kumar

35.1 Fellowships and Awards

1. **Delivered Dr C.V. Krishna Rao** memorial oration on “Approach to Bile duct injuries” at Annual conference of Association of Surgeons of India, AP Chapter (APASICON 2020) (Virtual) held from 6th to 8th November 2020.
2. **Dr Sravanti B** was awarded Best Poster for the poster “Intra-operative peri-pancreatic fluid Amylase concentration in predicting post-operative pancreatic fistula after Pancreaticoduodenectomy” at National conference of International Hepato Pancreato Biliary Association, Indian chapter (IHPBA 2020) held at Bhubaneswar from January 24th to 26th.

35.2 Research work

1. Thesis work

1. Thesis submitted

Dr Sravanti B. (M. Ch Resident) - Role of Intra-operative Amylase concentration in peri-pancreatic fluid in predicting post-operative pancreatic fistula after Pancreaticoduodenectomy.

2. Ongoing thesis work

Dr Lokesh Arora. (M. Ch Resident) – Effect of Antecolic or Retrocolic Gastrojejunostomy on delayed gastric emptying after Pancreaticoduodenectomy.

Dr Sudish.D (M. Ch Resident) – Comparison of delayed gastric emptying following pyloric ring resection whipple’s with classical whipple’s procedure.

35.3 Conferences attended; lectures delivered

1. Chandramaliteeswaran. C., Asso. Professor

Delivered a guest lecture on “Laparoscopic D2 Gastrectomy” at Annual conference of Association of Surgeons of India, AP Chapter (APASICON 2020) (Virtual) held from 6th to 8th November 2020.

35.4 Presentations by postgraduate students

Dr B Sravanthi. M.Ch., Second year

1. Attended 17th Annual conference of Indian chapter of International Hepato pancreato Biliary Association (IHPBA 2020) and presented a paper titled “Intra operative peripancreatic fluid amylase concentration in predicting post operative pancreatic fistula after pancreaticoduodenectomy” held at Bhubaneswar during 24-26 January 2020.

Dr Lokesh Arora M.Ch., Second year

1. Attended 17th Annual conference of Indian chapter of International Hepato pancreato Biliary Association (IHPBA 2020) and presented two papers titled “Subtotal cholecystectomy: A feasible and safe alternative in difficult cases” and Effect of

preoperative nutritional status on early post-operative outcomes in patients undergoing pancreaticoduodenectomy, held at Bhubaneswar during 24-26 January 2020.

35.5 Publications

1. Publications in indexed journals

1. **Sriram Parthasarathy, K. Radhakrishna, T. C. Kalawat, B. V. Phaneendra, Venkatarami Reddy Vutukuru.** Prospective randomized study comparing Billroth II with Braun anastomosis versus Roux-Y reconstruction after radical distal gastrectomy for gastric cancer. J Clin Sci Res 2020; 9:150-4.
2. **Pagadala Naga Balaji Nitesh, Vutukuru Venkatarami Reddy, Sivarama Krishna Gavini, Suresh Vaikkakara, Chandramaliteeswaran Chandrahasan, Musunuru Brahmeswara Rao, and Dasari Varun.** Assessment of functional outcome of patients undergoing surgery for chronic pancreatitis: A prospective study. Ann Hepatobiliary Pancreat Surg 2020; 24:162-167.
3. **Lokesh Arora, Musunuru Brahmeswara Rao, Vutukuru Venkatarami Reddy, Chandrakasan Chandramaliteeswaran.** Epidemiology, presentation and pathological findings of Retroperitoneal tumors and Literature review. International Journal of Scientific Research 2020;9(1):67-9.
4. **Sravanthi Balaga, Vutukuru Venkatarami Reddy, Chandrakasan Chandramaliteeswaran, Musunuru Brahmeswara Rao, Lokesh Arora, Sudish Durgesh.** Epidemiological and Clinico-pathological analysis and outcomes of Extraintestinal GIST at a tertiary care hospital in South India. International Journal of Scientific Research 2020;9(8):33-5.
5. **Lokesh Arora, Musunuru Brahmeswara Rao, Vutukuru Venkatarami Reddy, Chandrakasan Chandramaliteeswaran.** Iatrogenic bile duct injuries requiring surgical reconstruction – presentation and classification of lesions, their reconstruction and outcomes. International Journal of Scientific Research 2020;9(2):69-70.
6. **Varun Dasari, Chandrakasan Chandramaliteeswaran, Vutukuru Venkatarami Reddy, Lokesh Arora.** Effect of preoperative nutritional status on early post-operative outcomes in patients undergoing Pancreaticoduodenectomy. International Journal of Scientific Research 2020;9(4):21-22.
7. **Chandrakasan Chandramaliteeswaran, Vutukuru Venkatarami Reddy, Lokesh Arora, Musunuru Brahmeswara Rao, Sravanthi Balaga, Sudish Durgesh.** Subtotal cholecystectomy: A feasible and safe alternative in difficult cases. International Journal of Scientific Research 2020;9(4):23-5.

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 C.Sai Praneeth

Dr G.V.V. Prasad Reddy

Dr S. Nagesh Kumar

Dr S.Chaitanya Vani

Dr M. Jayachandra Reddy

Dr Vinodhini P

Dr Shathak S Baikady

PDF Resident

Dr C.Narendra Reddy

Ph.D Scholar

S.Raghava Krishna

36.1 Awards, achievement and felicitations

Dr S.Nagesh Kumar, MCh Resident was awarded **“Best paper presentation”** at Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) 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 Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

Dr C. Sai Praneeth, MCh Resident was awarded **“Best poster presentation”** at Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a poster “An unusual case report of solitary retroperitoneal extramedullary plasmacytoma” held at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

Dr S.Chaitanya Vani, MCh Resident was awarded 2nd prize in **“DrVyageswarudu Best Paper Award”** category at 43rd APASICON – 2020 virtual Conference for paper titled “A retrospective analysis of implications of lymphnode ratio and lymphnode

positivity on survival in node positive women with breast cancer” during 6th – 8th November 2020

Dr C.Sai Praneeth, MCh Resident was awarded 3rd prize in **“DrVyageswarudu Best Paper Award”** category at 43rd APASICON – 2020 virtual Conference for paper titled “A prospective study to analyse the pattern of axillary lymphnode metastasis individually at each level and prevalence of positive Rotter’s nodes, level III and skip metastasis in patients undergoing axillary lymphnode dissection for carcinoma breast” during 6th – 8th November 2020.

1. Orations delivered

1. International : Nil
2. National :

Dr H.Narendra, Professor and Head, Department of Surgical Oncology delivered DrShanmukheswara Rao Memorial oration on **“Changing trends in the surgical management of Breast cancer”** on 6th November 2020 during 43rd Annual Conference of Association of Surgeons India, AP Chapter (APASICON 2020).

36.2 Research Project

1. Research Projects completed in 2020

1. International : Nil
2. National : Nil

2. Ongoing Research Projects

1. International : Nil
2. National

Principal Investigator : DrH.Narendra, **Title** : Rapid Molecular Evaluation of Surgical Resection Margin of Cancer Using Mass Spectrometric Imaging.

Principal Investigator : DrH.Narendra, **Title** : Dynamic contrast enhanced magnetic resonance imaging Vs 18-F-FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer. **Funding Agency** : SBAVP, SVIMS

36.3 Research Work

1. Thesis work

1. Thesis submitted

Dr S.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.

Dr B.Bhavya. A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers.

Post Doctoral Fellowship, Head & Neck Oncology:

DrNarendra Reddy Chittamuru. Evaluation of Aggressive potential in OSCC – Depth of Invasion and Lymphnode Density – which one is more reliable ?

2. Ongoing thesis work

Dr C.Sai Praneeth. A prospective study to evaluate the prevalence and pattern of axillary lymphnode metastasis in patients undergoing surgery for carcinoma breast.

Dr S.Chaitanya Vani. A retrospective analysis of implications of lymphnode positivity and lymphnode ratio on survival in node positive women with breast cancer.

Dr GVV Prasad Reddy. A prospective evaluation of diagnostic accuracy of intraoperative consultation (Frozen section) and its influence in management of complex ovarian masses.

Dr M.Jayachandra Reddy. Correlation of plasma 25-hydroxy vitamin D levels with risk of breast cancer – A case control study.

Ph.D Thesis

S.Raghava Krishna. Prospective randomized controlled study comparing the efficacy of manual lymphatic drainage and pneumatic compression therapy on secondary lower limb lymphedema in patients undergoing surgery and/or radiotherapy in gynecological malignancies.

36.4 Conferences attended, lectures delivered

National :

Dr H Narendra attended

1. Attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
2. Attended 43rd Annual Conference of Association of Surgeons India, AP Chapter (APASICON 2020) at Rajahmundry during 6th - 8th November 2020.
3. Attended Panel discussion on neck secondaries of unknown primary in 80th Annual Conference of Association of Surgeons India (ASICON) at Vizag during 17th -19th December 2020.
1. DrB.Manilal, Associate Professor attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
2. DrM.Guru Raghavendra Naik, Assistant Professor attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

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3. DrV.Naresh Kumar, Assistant Professor attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

36.5 Presentations by postgraduate students

1. DrS.Nagesh Kumar attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

Dr C Sai Praneeth

1. Attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a poster “An unusual case report of solitary retroperitoneal extramedullary plasmacytoma” held at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
2. Attended virtual conference of 43rd APASICON – 2020 and presented a paper “A prospective study to analyse the pattern of axillary lymphnode metastasis individually at each level and prevalence of positive Rotter’s nodes, level III and skip metastasis in patients undergoing axillary lymphnode dissection for carcinoma breast” during 6th – 8th November 2020.

Dr S.Chaitanya

1. Attended virtual conference of 43rd APASICON – 2020 and presented a paper “A retrospective analysis of implications of lymphnode positivity and lymphnode ratio on survival in node positive women with breast cancer” during 6th – 8th November 2020.
2. Attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a poster “Aggressive Angiomyxoma – A rare case” held at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
3. Attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a paper “Evaluation of lymphnode ratio and lymphnode positivity on survival in node positive women with breast cancer”

held at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

1. DrGVV Prasad Reddy attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
2. DrM.Jayachandra Reddy attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.
3. Dr Narendra Reddy Chittamuru attended Midterm National Conference of Indian Association of Surgical Oncology (MIDCON IASO) and presented a poster “Evaluation of Aggressive potential in OSCC – Depth of Invasion and Lymphnode Density – which one is more reliable?” held at Hotel Fortune Grand Ridge, Tirupati during February 29th – 01st March 2020.

36.6 Publications (vancouver style)

1. Publications in indexed journals

Hulikal N, Singaram NK, Inamdar MB, Niak GR. Early Mechanical Intestinal Obstruction Following Laparoscopic Radical Hysterectomy. Journal of Gynecologic Surgery, 2020; 36:87-90. DOI:10.1089/gyn.2019.0115.

Hulikal N, Gajjala SR, Kalawat T, Kadiyala S, Kottu R. Predicting Response to Neoadjuvant Chemotherapy using 18 F FDG PET-CT in patients with Locally Advanced Breast Cancer. Asian Pac J Cancer Prev.2020; 21:93-98.

Rallapeta RP, Manthri RG, Kalawat T, Sachan A, Lakshmi A, Hulikal N. 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 2020; 35:110-5.

Hulikal N, Azhagamuthu RE, Banoth M, Chowhan A, Yutla M, Sachan A. Can preoperative serum thyroglobulin levels predict the risk of malignancy?

Results from prospective analysis of biochemical predictors of malignancy in thyroid nodules. *Acta Otorhinolaryngo Ital* 2020; 40:33-37.

Hemalatha DS, Rallapeta RP, Manthri RG, Kalawat TC, Hulikal N, Prayaga A. Metabolically quiescent paraganglioma in a patient with carcinoma cervix: An usual presentation. *J Clin Sci Res* 2020; 9: 180-3.

4. Original articles :

Hulikal N, Gajjala SR, Kalawat T, Kadiyala S, Kottu R. Predicting Response to Neoadjuvant Chemotherapy using 18 F FDG PET-CT in patients with Locally Advanced Breast Cancer. *Asian Pac J Cancer Prev* 2020; 21:93-98.

Rallapeta RP, Manthri RG, Kalawat T, Sachan A, Lakshmi A, Hulikal N. 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* 2020; 35:110-5.

Hulikal N, Azhagamuthu RE, Banoth M, Chowhan AO, Yutla M, Sachan A. Can preoperative serum thyroglobulin levels predict the risk of malignancy? Results from prospective analysis of biochemical predictors of malignancy in thyroid nodules. *Acta Otorhinolaryngo Ital* 2020; 40:33-37.

5. Case reports :

Hulikal N, Singaram NK, Inamdar MB, Niak GR. Early Mechanical Intestinal Obstruction Following Laparoscopic Radical Hysterectomy. *Journal of Gynecologic Surgery*, 2020; 36:87-90. DOI:10.1089/gyn.2019.0115.

Hemalatha DS, Rallapeta RP, Manthri RG, Kalawat TC, Hulikal N, Prayaga A. Metabolically quiescent paraganglioma in a patient with carcinoma cervix: An usual presentation. *J Clin Sci Res* 2020; 9: 180-3.

6. Accepted for publication :

7. Papers under Review :

36.7 CMEs/Seminars/Workshops/Orations conducted by the department

Conducted 4th Annual Surgical Oncology Chair Oration at Padmavathi Auditorium, SVIMS, Tirupati on 28.02.2020. Dr.S.Chandra Sekhar Rao, Soumya Multispecialty Hospital, Hyderabad was the Orator who spoke on “Changing Trends in the management of Carcinoma breast over a span of three decades – A surgical oncologist’s perspective”.

Conducted Pre Conference Workshop on 28th February 2020 at Sri Padmavathi Auditorium, SVIMS, Tirupati.

Conducted Mid Term Annual Conference of Indian Association of Surgical Oncology on February 29th – 01st March 2020 at Fortune Grand Ridge, Tirupati, attended by over 300 delegates around India.

36.8 CMEs/Seminars/Workshops attended

Dr H Narendra

1. IASO Webinar/CME on Management of Complex chest wall and retroperitoneal sarcomas on 24th November 2020.
2. Attended Preconference video workshop on 28th February 2020 at Sri Padmavathi Auditorium, SVIMS, Tirupati.
1. DrB.Manilal, Associate Professor attended Preconference video workshop on 28th February 2020 at Sri Padmavathi Auditorium, SVIMS, Tirupati

36.9 Other academic activities

DrH Narendra, Professor and Head, Panel Doctor, Higher Tumor Board Panel, YSR Arogyasri Health Care Trust, Guntur, AP (February 2020 onwards)

37.0 DEPARTMENT OF TRANSFUSION MEDICINE

Professor & Head

Dr K.V.Sreedhara Babu

Faculty

Dr R.Arun

Dr B. Suresh Babu

Tutor cum PG Junior Residents

Dr Keerthi C

Dr Gudditi Sandhya

Dr C.Ravikanth

37.1 Awards, Achievements and felicitations

1. Dr K.V.Sreedhar Babu, Professor & Head awarded “Appreciation Certificate” from the District Collector, Chittoor during 71st Republic Day celebrations on 26.01.2020 as a recognition for his excellent services.
2. Dr G.Sandhya, 2nd year Postgraduate awarded **third prize** for the oral paper in the CME programme on “Apheresis – An apprehension” at Tamilnadu Government Multi Specialty Hospital, Omandurar Estate, Chennai on 24th February 2020.

37.2 Research Project :

Research Projects completed

National

1. Principal Investigator: Sreedharbabu KV, Title: A Phase II, Open Label, Randomized Controlled Trial to Assess the Safety and Efficacy of Convalescent Plasma to Limit COVID-19 Associated Complications in Moderate Disease. Funding agency: ICMR.

37.3 Research Work

Thesis work

Thesis submitted

1. Keerthi C. Serological characterization of autoantibodies in patients with direct Antiglobulin test positive autoimmune hemolytic anemia at a tertiary care teaching hospital in Tirupati (MD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing thesis work

1. Sandhya G. A study to formulate maximum surgical Blood order schedule at a tertiary care referral teaching institute in Andhra Pradesh (MD).

37.4 Conference attended, lectures delivered

Dr K.V.Sreedhar Babu, attended the Mega CME – Webinar on COVID 19 organized by API Telangana chapter Fighting together with COVID 19 and delivered lecture on Plasma Therapy held on 20th September 2020.

Dr R.Arun

1. Delivered lecture on “Salient features of Graduate Medical education regulations” held at CISP 2 programme organized by Department of Medical Education, Sri Padmavathi Medical College for Women, SVIMS, Tirupati on 28th September 2020.
2. Delivered lecture on “Assessment for competency based medical education” held at CISP 2 programme organized by Department of Medical Education, Sri Padmavathi Medical college for women, SVIMS, Tirupati, on 29th September 2020.

Dr B.Suresh Babu

1. Attended TRANSMEDCON 2019-8th Annual Conference of Indian Society of Transfusion Medicine (ISTM) and presented ePoster held at Hotel Sahara Star, Mumbai during 9th -11th January, 2020.

37.5 Presentation by postgraduate students

Dr C.Keerthi : Nil

Dr G.Sandhya, attended CME Programme on “Apheresis – An Apprehension” and presented oral paper “A study to compare donor adverse reactions between whole blood and plateletpheresis donation in a tertiary care Institute” Tamilnadu Government Multi Super Specialty Hospital, Omandurar Government Estate, Chennai on 24th February, 2020.

37.6. Publications

Publications in indexed journals :

1. Anup Agarwal, Aparna Mukherjee, Gunjan Kumar, Pranab Chatterjee, Tarun Bhatnagar, Pankaj Malhotra, on behalf of the PLACID Trial Collaborators. Convalescent plasma in the management of moderate covid-19 in adults in India: open label phase II multicentre randomised controlled trial (PLACID Trial). Br Med J 2020;371:m3939.
2. Jeeva Priya R, Arun R, Lakshmidhevi KB, Vidya N R, Vidisha S. Regular visual inspection of plasma & platelets revealing unconjugated hyperbilirubinemia in healthy voluntary blood donors- Whether to transfuse or discard? Int J Sci Res 2020;9:8-9.

37.7 CMEs/Seminars/Workshops/Orations conducted by the department

1. World Blood Donors day-2020, theme “Safe Blood saves lives” was conducted by department of Transfusion Medicine, SVIMS 14th June 2020.

37.8 CMEs/Seminars/Workshops attended

Dr K.V.Sreedhar Babu

1. Attended The Mega CME – Webinar on COVID 19 organized by API Telangana chapter on 20.09.2020- FIGHTING TOGETHER WITH COVID 19.

Dr R.Arun attended the following

1. CME Programme on “ Apheresis – An Apprehension” organized by Department of Transfusion Medicine, Tamilnadu Government Multi Super Specialty Hospital, Omandurar Government Estate, Chennai on 24th February, 2020.
2. Workshop on “Clinical audit conducted by consortium of accredited health care organization” on 5th March 2020 at SVIMS.

3. Certificate course 6 online Sessions on Patient Blood Management organized by The Simulation Society in academic collaboration with Werfen academy(India) and International Society of Cardiac ultrasound(ISCU) accredited by Mewar University on 24th , 31st October, 7th,21st ,28th November and 5th December, 2020.

Dr B.Suresh Babu attended the following

1. ISBT Academy Day of TRANSMEDCON 2019- 8th Annual Conference of Indian Society of Transfusion Medicine (ISTM) held at Hotel Sahara Star, Mumbai on 8th January, 2020.
2. Six hours required course on “Good Clinical Practice” organized by NIDA Clinical Trials Network, on 28th June, 2020.
3. Certificate course 6 online Sessions on Patient Blood Management organized by The Simulation Society in academic collaboration with Werfen academy(India) and International Society of Cardiac ultrasound(ISCU) accredited by Mewar University on 24th , 31st October, 7th,21st ,28th November and 5th December, 2020.

Dr C.Keerthi attended the following

1. CME Programme on “ Apheresis – An Apprehension” organized by Department of Transfusion Medicine, Tamilnadu Government Multi Super Specialty Hospital, Omandurar Government Estate, Chennai on 24th February,2020.
2. Certificate course 6 online Sessions on Patient Blood Management organized by The Simulation Society in academic collaboration with Werfen academy(India) and International Society of Cardiac ultrasound(ISCU) accredited by Mewar University on 24th 31st October, 7th,21st ,28th November and 5th December, 2020.

Dr G.Sandhya attended the following

1. CME Programme on “ Apheresis – An Apprehension” organized by Department of Transfusion Medicine, Tamilnadu Government Multi Super Specialty Hospital, Omandurar Government Estate, Chennai on 24th February,2020.
2. Certificate course 6 online Sessions on Patient Blood Management organized by The Simulation Society

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in academic collaboration with Werfen academy(India) and International Society of Cardiac ultrasound(ISCU) accredited by Mewar University on 24th , 31st October, 7th,21st ,28th November and 5th December, 2020.

Dr C.Ravikanth attended the following

1. Certificate course 6 online Sessions on Patient Blood Management organized by The Simulation Society in academic collaboration with Werfen academy(India) and International Society of Cardiac ultrasound(ISCU) accredited by Mewar University on 24th 31st October, 7th,21st ,28th November and 5th December, 2020.
2. Workshop on Effective Research Protocol writing at National Institute of Medical Statistics, Lucknow with collaboration with Indian Council of Medical Research ICMR on 28th September, 2020 to 30th September,2020.

37.9 Other academic activities

Dr K.V.Sreedhar Babu

1. External Member, Institutional Ethics Committee, IISER, Karakambadi, Tirupati.
2. External Member, Selection Committee constituted for selection of Medical Officer at S.V. Vedic University, Tirupati.

3. External Examiner,II MBBS at Department of Pathology, ACSR Govt.Medical College, Nellore during 04.03.2020 to 06.03.2020.
4. External Examiner,II BDS at Department of Pathology, Govt.Medical College (RIMS), Kadapa during 07.12.2020 to 09.12.2020.
5. Nominated by the District Collector & Executive Magistrate, Nellore as a member of the Committee constituted to study on Plasma therapy being carried out in SPSR Nellore District through IRCS Blood bank, Nellore.
6. Member Secretary, Hospital Blood Transfusion Committee, SVIMS.
7. Established and stabilized Nucleic acid Amplification Technology (NAT) Laboratory.

Dr Arun

1. Moderator of Panel discussion on “Rational use of blood and blood components-Is it a castle in the air?” in a CME programme organized by Department of Transfusion Medicine, Omandurar Tamilnadu Government multi super specialty hospital, Chennai on 24th February 2020.
2. Attended Curriculum Implementation support programme –2 (CISP-2) conducted by Department of Medical Education, Christian Medical College Hospital, Vellore, on 9th and 10th July 2020.

38.0 DEPARTMENT OF UROLOGY

Professor & Head

Dr N.Anil Kumar

Faculty

Dr A. Tyagi

Dr Ch.Konda Reddy

Dr Manoj B

MCh PG Senior Residents

Dr Amit Kumar

Dr Goutham Krishna Reddy M

Dr L.Narendranath

Dr Ravinder Singh

Dr Rakesh Pradeep

Dr Ashish Kumar Singh

Dr Sashi Kumar

Dr Vaibhao Mahadeo

Dr N.Anirudh Suseel

Dr Harsha Vardhana Varma

Dr Anupam Bhargava

Dr Ashish Kumar Jayanth

38.1 Research Work : 1. Thesis work

1. Theses submitted :

1. **Suraj Pinni.** Study of factors predicting impacted nature of ureteric stones in patients undergoing ureteroscopic lithotripsy (URSL) (MCh Thesis).
2. **Naveen Goyal.** S.T.O.N.E. Nephrolithometry score as a tool to predict stone clearance rates in patients undergoing percutaneous nephrolithotomy (MCh Thesis).
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 Thesis).
4. **Yagneshwar Sharma A.** A study to evaluate the role of OTIS urethrotomy in patients undergoing transurethral resection of prostate gland (MCh Thesis).

2. Ongoing thesis work

1. **Narendranath L.** Mid stream urine, pelvic urine and Renal Stone culture & sensitivity as predictors of urosepsis following percutaneous nephrolithotomy – A prospective observational study (M Ch Thesis).
2. **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 (M Ch Thesis).

3. **Ravinder singh** Autologous tensor fascia lata transvaginal sling Vs autologous rectus fascia transvaginal sling for the treatment of urinary stress incontinence – A Prospective study (M.Ch Thesis).
4. **Amit Kumar** A study of the effects of stone density values on percutaneous nephrolithotomy (PCNL) outcomes (M.Ch Thesis).
5. **Rakesh Pradeep K.** A comparative study of the outcomes of laparoscopic transperitoneal simple nephrectomy in non inflammatory versus inflammatory non functioning kidneys – A prospective observational study (M.Ch Thesis).
6. **Ashish Kumar Singh** Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study (M.Ch Thesis).
7. **Vaibhao Nasare** Study of factors affecting surgical outcome of excision and end to end anastomosis for bulbar urethral stricture – A prospective observational study (M.Ch Thesis).

1.Shashi Kumar A prospective study of factors predicting outcome of trial of void without catheter in patients with acute urinary retention secondary to benign prostatic hyperplasia.

2. Thesis work carried out in collaboration with other departments

Dr N.Anil Kumar Co – Guide for

1. **Vishnu Prasad M.** Diagnostic performance of prostate imaging reporting and data system version 2 (Pirads V 2) for detection of prostate cancer (MD, Radiology thesis)
2. **Prasanthi M.** An observational study on computed tomography – Guided percutaneous nephrostomy (MD, Radiology thesis)
3. **Sai Krishnaja Reddy K.** Utility of 177 Lutetium ethylene diamine tetra Methylene phosphonate in metastatic bone pain palliation therapy (MD, Nuclear Medicine thesis).
4. **Varaprasad K G.** usefulness of Dual-staining with ? - Methylacyl CoA racemase (AMACR/P504S) & p63 Cocktail for the Detection of Prostate Carcinoma (MD, Pathology thesis).
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, Anaesthesiology thesis).
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, Anaesthesiology thesis)
7. **Charan** – Role of 18F FDG-PET/CT in characterizing solid renal mass lesions and treatment planning (MD, Nuclear Medicine Thesis)

38.2 Presentations by postgraduate students

SZUSICON held on 15th November, 2020

1. Poster : **Vaibhao Mahadevo** - Leiomyoma at bladder neck – A rare urological entity.

2. Paper : **Sashi Kumar** – TRUS guided prostatic biopsy – complications – an initial two years experience at our centre SVIMS, Tirupati.
3. Poster : **Ashish Kumar Singh** - Urological emergency presenting as pneumoperitonium – A case report.

SOGUS AP & TS held on 21st December, 2020

1. Poster : **Vaibhao Mahadevo** – Xantho granulomatous cystitis – A rare urological entity.
2. Poster : **Sashi Kumar** - A case of xanthogranulomatous pyelonephritis with spontaneous reno-colo-cutaneous fistula.
3. Poster : **Ashish Kumar Singh** – Primary stromal sarcoma of the kidney – A case report.

38.3 Publications

1. **N.Anil Kumar, S.Venkata Chaitanya, Suraj Pinni, Sharma A Yagneshwar, Tushar Sharma, Naveen Goyal,** Role of conservative management in High Grade Renal Injuries: Our Experience at a Tertiary Care Centre. IJCMR, Volume 7/issue 3/ March 2020.
2. **N.Anil Kumar, S.Venkata Chaitanya, Suraj Pinni, Naveen Goyal, Tushar Sharma, Sharma A Yagneshwar,** Management of Stricture Urethra: Our Experience at a Tertiary Care Centre. IJCMR, Volume 7 /issue 4/April 2020.
3. **Anil Kumar N, Konda Reddy, Ravinder Singh, Narendranath L, Amit Kumar, Goutham Krishna Reddy,** VVF Repair in Prone jack knife position – Our Experience. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Volume 19, issue 11 Ser.2 (November, 2020), PP 27-32.

38.4 Other academic activities

Every Monday to Friday 7.30am. to 8.30am Seminar, Clinical discussion, journal club, thesis review, operative surgery discussion.

39.0 COLLEGE OF NURSING

Professor & Principal i/c

Dr P. Sudha Rani

Faculty

Dr Mr. A. Padmaja
Mrs. K.Varalakshmi
Dr.S.Hemalatha

Mrs.S.Swarna
Dr.M.Sreelatha
Mrs.B.Kokilamma

Dr C. Usha Kiran
Dr.M.Nagarathnam
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

39.1 Awards, achievements and felicitations

Dr A.Padmaja

1. Achieves Award for her outstanding contribution and praise worthy achievements in the Field of Education at an International Conference on “Global Friendship day conferred at DUBAI (U.A.E) for the year 2020.
2. National Florence Nightingale Award 2020, Hon’ble President of India will be conferring the award at NEW DELHI.

39.2 Research Work

Dissertation Work : (M.Sc Nursing)

1. **P. Aparna**, 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.
2. **P. Monika**, Awareness on preventive measures of worm infestation among mothers of toddler of MCH center, Tirupati
3. **R. Pavithra**, A study to assess the perceived impact of parenting style on self-esteem among adolescents in selected colleges, Tirupati.
4. **T.V. Rajeswari**, Effectiveness of planned teaching programme on management sibling rivalry among mothers of under-five children in SVRRGGH, Tirupati
5. **T. Saravana**, Effectiveness of structured teaching programme on road traffic accidents among upper primary school children at selected schools, Tirupati.
6. **G. Yamuna**, 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
7. **B. Reshma**, 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
8. **J. C. Renuka Priya**, 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.
9. **R. Sushma**, A comparative study to assess the knowledge on gastritis among under graduate students in selected colleges at Tirupati.
10. **V. Anitha**, Effectiveness of planned teaching programme on hazards of plastic usage among house wives in a selected rural community at Tirupati.
11. **K. Preethi**, 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.
12. **S. Rukmini**, A study of blood pressure and its relation with anthropometric measurements among adolescents in a selected college, Tirupati.

13. **V. Naga Ramesh**, A study to assess the knowledge on self management of clients suffered with heart failure at cardiology OPD SVIMS, Tirupati.
 14. **P. Aparna**, A study to assess the post traumatic stress levels among myocardial infarction patients at cardiology OPD, SVIMS, Tirupati.
 15. **S.V. Radha**, A study to assess the knowledge on anemia among patients with ESRD in Nephrology ward at SVIMS Hospital, Tirupati.
 16. **O. Venkateswarlu**, A study to assess the knowledge on self-care management among patients undergoing hemodialysis, SVIMS, Tirupati.
 17. **G. Archana**, A study to assess the prevalence and measures of management of mucositis among patients receiving radiation therapy in SVIMS hospital, Tirupati.
 18. **Ayesha**, Area oral cancer seeting and incidence has to be find out surgical or RT – if Both to be find out.
 19. **A.Bhagyamma**, Knowledge on risk factors and preventive aspects of uterine prolapse among women attending gynec OPD in SPMCH, Tirupati.
 20. **E. Joesthna** Vijaya Kumari, Impact of education on knowledge regarding MTP among teenage girls in selected schools of Tirupati.
 21. **B. Lalitha**, A comparative study on DFMC chart versus CARDIFF count ten chart on assessment of fetal movement among antenatal mothers at RCH / SPMCH centre, Tirupati.
 22. **B. Nagarathnam**, A study to assess the effectiveness of lactation counseling on breast engorgement and new born baby feeding behavior among primigravida at SPMH Tirupati.
 23. **K. Nalini**, A study to evaluate the effectiveness of structured teaching programme on knowledge regarding pap smear among women in selected rural area, Tirupati.
 24. **K. Reddipyari**, 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.
 25. **S.A. Mariya Rani**, A study to assess the pro-social behavior and self-concept among adolescents in selected college at Tirupati.
 26. **R. Vani**, Assessment of depression among siblings of individuals with schizophrenia in selected hospitals, Tirupati.
 27. **P. Baby Rani**, A study to assess the psychological and social problems among the caretaker of mentally ill persons in SPMCH at Tirupati.
 28. **C. Dhanalakshmi**, Effectiveness of planned teaching programme on knowledge regarding techniques of communication in establishing therapeutic interaction among 1st year B.Sc (N) students in SVIMS.
 29. **P. Haritha**, An effectiveness of guided imagery in reducing examination anxiety among adolescents in selected schools at Tirupati.
 30. **R. Vani**, A study to assess the prevalence of shopaholic among the students of selected of colleges, Tirupati.
- Ongoing Dissertation work in 2019 by the M.Sc Nursing students**
1. **B. Anjali** A study to assess the effectiveness of self instructional module on level of knowledge regarding importance of out door physical activities
 2. **Kayani** A study to assess the effectiveness of online teaching module regarding knowledge as weight reduction practices among adolescent girls from selected intermediate colleges, Tirupati.
 3. **P. Shalini**, A study to assess the effectiveness of online teaching module regarding the important of excessive l viewing of children among mothers of school age at selected area, Chittoor (Dist.).
 4. **G. Vijaya Kumar**, A comparative study to assess the knowledge regarding hazards of videogaming addiction from gove and private school children in selected schools, Tirupati.
 5. **P. Gowri Devi**, “A Study to assess the knowledge regarding heat stroke management among school teachers, Tirupati.” (Advised to review & the articles)

6. **K. Vijayanirmala**, A Comparative study to assess the domestic practices followed by women during COVID-19 Pandemic between selected urban and rural areas of Tirupati.
 7. **T. Hemavathi**, “A Study to assess the knowledge regarding standard precautions among health care providers at selected health care centres, Tirupati.
 8. **J. V. SasiKumari**, “A Study to identify the contributing factors for living in selected geriatric homes by elderly – Tirupati.”
 9. **Y. Lavanya**, A Comparative study to assess individual versus group pre-marital counseling among adolescent girls.” (Setting: If college opens Quasi-Experimental, other wise comparative).
 10. **Mr. Vishnuvardhan**, A Study to assess the knowledge regarding Mission Indradhanash among mother’s of under five children at Municipal Maternity Health Centre, Tirupati.”
 11. **V. Ghousabee**, A Study to assess the knowledge regarding JSSK services among antenatal mothers attending MCH centre, Tirupati.
 12. **J. Gopi**, “Effectiveness of STP on spillage management among 2nd year B.Sc(N) students at college of nursing, SVIMS, Tirupati
 13. **P. Nagajyothi**, , Assessment of awareness on never event among B.Sc(N) 3rd and 4th year students at college of nursing, SVIMS, Tirupati (Area: Never events patient safety (falls prevention paedsores) 3rd & 4th year B.Sc (N) descriptive study.),(If students comes STP otherwise descriptive only)
 14. **C. Bhargavi**, A Study to assess the effectiveness of STP on knowledge regarding vaginitis and its prevention among adolescent girls in selected high schools, Tirupati.”
 15. **G. Bharathi**, A Study to assess the knowledge regarding hysterectomy among women attending at MCH centre, Tirupati.”
 16. **N. Dhana Lakshmi**, A Comparative study to assess the knowledge regarding risk factors and preventive measures of carcinoma breast among women in selected rural and urban areas of Tirupati.
 17. **B. Jerusha Supriya**, A Study to assess the knowledge regarding pregnancy induced hypertension among antenatal mothers attending to MCH centre, Tirupati.
 18. **A.Srilatha**, “A Study to assess the effectiveness of STP on lifestyle modifications among post menopausal women in selected rural areas, Tirupati.
 19. **M. Vidya**, A Comparative study on coping strategies of cancer cervix patients receiving chemo and radiation therapies at SVIMS, Tirupati.
 20. **K. SudhaBlessy**, “A Study to assess the fear and anxiety among parents of school going children during COVID-19 pandemic in selected schools of Tirupati.
 21. **T.N. Prasanna Lakshmi**, A Study to assess the psychological impact of COVID-19 pandemic among older people in selected areas of Tirupati.
- 39.3 Conference, attended, lecturer delivered**
- Dr S. Hemalatha**
1. World Mental Health Day webinar on 2nd, October, 2020, at Apollo College of Nursing, Chittoor.
 2. 3rd International Conference on Cancer & COVID-19 , on 5th, Oct. 2020 at Narayana College of Nursing, Nellore.
 3. Workshop on Human Persuits Technology and innovation department of Management Studies IIT, Madras on 22nd, December, 2020 conducted by Narayana transational Research Centre, NRTC, Narayana Medical College, Nellore.
- Mrs.V.Naganandhini**
1. **Mrs. V. Naganandhini**, Attended workshop on Human Persuits Technology and innovation department of Management Studies IIT, Madras on 22nd, December, 2020 conducted by Narayana transational Research Centre, NRTC, Narayana Medical College, Nellore.
 2. **Mrs. V. Naganandini**, attended International Webinar entitled “PH.D Thesis writing on 10th, September, 2020 conducted by “Narayana Translational Research Center (NRTC), Narayanal Medical College, Nellore.

39.4 PUBLICATIONS

Dr A. PADMAJA

1. **Mohanasundari SK, Padmaja A, Kothari.s, & Rathod KK** Effectiveness of music therapy with conventional intervention on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan. A pilot study. IJPEN.2020; 6(2):61-62, DOI.
2. **Mohanasundari SK, Padmaja A, Rathod KK, & Kothari. S** “Effectiveness of music therapy and visual imagery technique on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan-A pilot stdy. IJPHRD.2020, 11(6): 645-650.
3. **Mohanasundari SK, Padmaja A, Rathod KK, & Kothari.S,** Effectiveness of visual imagery technique with conventional intervention on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan- A pilot study. AJNER. 2020. 10(3): 269-274.
4. **Padmaja A, Mohanasundari SK, Dr Munuswamy Murali & Shesha kumar**
“ Evaluate the effectiveness of awareness programme on breast cancer and skill training on breast self examination among rural women in chittoor district, Andhra Pradesh – A Collaborative Research, AJNER. 2020: 10(1). 97-102.

Dr M. NAGARATHNAM

1. “Awareness of self management of heart failure patients at tertiary care center of Andhra Pradesh”, International Journal of Advance Research in Medical Surgical Nursing. 2020; 2(2): 74-81.
2. “Assessment of post traumatic stress levels among patients with Myocardial infarction at tertiary care center of Andhra Pradesh”, International Journal of Current Research, 2020; 12(11);14940-14947,
3. Effect of variables on quality of life among care givers of patients undergoing Hemodialysis in A.P. India. Indian Journal of Palliative Care – accepted in press.
4. Factors influencing the scales of burden coping mechanism and quality of life in caregivers of patients undergoing peritoneal dialysis in India. Indian Journal of palliative care – accepted in press.

Mrs. K. Varalakshmi

1. **Mrs. Varalakshmi, Ms. B. Nagarathna, Dr C. Usha Kiran**, “A study to assess the effectiveness of Lactational Counseling on Breast Engorgement and New Born feeding behavior among Antenatal mothers at CEmONC Centre, Madanapalli, International Journal of Creative Research Thoughts (IJCRT), 2020; 8(12);, 2320-2882
2. **Mrs. K. Varalakshmi, Mrs. B. Lalitha, Dr C. Usha Kiran**, A Comparitive study on DFMC Chart Versus Cardiff Count ten chart on assessment of Fetal movements among antenatal mothers at comprehensive emerge obstetrical and neonatal care, Madanapalli, International Journal of Creative Research Thoughts (IJCRT), 2020;8(11); 2320-2882.

Dr C. Usha Kiran

1. **Dr C. Usha Kiran, M. Sreelatha**, A study to assess the effectiveness of role play on team nursing among 2nd Year B.Sc Nursing students in selected Nursing college Tirupathi, A.P, India. International Journal of Nursing Education, 2020; 12(4); 36-42.
2. **Dr Usha Kiran, Dr M. Sreelatha**, “A study to assess the effectiveness of panel discussion on quality of care at Hospital among 1st year B.Sc Nursing students in selected Nursing College, SVIMS, Tirupati, Andhra Pradesh, India, International Journal of current Research , 2020; 12(8); 12942-12945.
3. **Dr C. Usha Kiran, Dr M. Sreelatha**, “A study to assess the effectiveness of debate on innovations in nursing among 1st year B.Sc Nursing students in selected Nursing College, Tirupathi, A.P. India, International Journal of Current Research, 2020; 12(8); 12946-12949.
4. **Dr Usha Kiran**, Knowledge of antenatal mothers regarding low birth weight babies in mass center, Tirupathi, International Journal of Obstetrics and Gynaecological nursing, 2020, 2 (2): 16-18.
5. **C. Usha Kiran, P. Mogilaeshwari**, A Comparative study to assess the effectiveness of lecture cum demonstration vs video assisted teaching method on knowledge regarding antenatal exercises among antenatal mothers in MCH Center at Tirupathi,

International Journal of Obstetrics and Gynaecological nursing, 2020, 2 (2): 14-15.

6. **Dr C. Usha Kiran, Mrs. K. Nalini, Mrs. K. Varalakshmi**, “A study to evaluate the effectiveness of structured teaching programme on knowledge regarding PAP SMEAR among women at Kondavalasa Village, Srikakulam district, International Journal of Creative Research Thoughts (IJCRT), 2020; 8(11); 2320-2882.
7. **Mrs. Varalakshmi, Ms. B. Nagarathna, Dr C. Usha Kiran**, “A study to assess the effectiveness of Lactational Counseling on Breast Engorgement and New Born feeding behavior among Antenatal mothers at CEmONC Centre, Madanapalli, International Journal of Creative Research Thoughts (IJCRT), 2020; 8(12); 2320-2882
8. **Mrs. K. Varalakshmi, Mrs. B. Lalitha, Dr C. Usha Kiran**, A Comparative study on DFMC Chart Versus Cardiff Count ten chart on assessment of Fetal movements among antenatal mothers at comprehensive emerge obstetrical and neonatal care, Madanapalli, International Journal of Creative Research Thoughts (IJCRT), 2020; 8(11); 2320-2882
9. **Dr C. Usha Kiran, K. Reddy pyari, K. Varalakshmi** “A Descriptive study to assess the knowledge on self care of post caesarean section among rural women at cherlopalli, Chittoor District,

International Journal of Creative Research Thoughts (IJCRT), 2020; 8(11); 2320-2882

Dr M. Sreelatha

1. **Miss. Rukmini.s, Kokilamma.B, Dr Sudha Rani.P, Dr M. Sreelatha**, “A study of blood pressure and its relation with anthropometric measurements among adolescents in a particular community, International Journal of Current Research, 2020; 12(10);14467-14472.
2. **Dr Sreelatha.M, Renuka Priya J.C, Dr Sudha Rani.P**, “A study to assess the knowledge regarding hypothyroidism and its effects among adolescent girls in selected areas of Pakala. International Journal of Current Research, 2020; 12(11); 14612-1416.
3. **Miss Konapuram Preethi, Kokilamma.B, Dr Sudha Rani. P, Dr Sreelatha. M**, A study to assess the knowledge of late adolescents regarding primary prevention of Type-2 diabetes mellitus in a selected urban Community, Tirupathi, International Journal of Current Research, 2020: 12(11); 14617-14622.
4. **Dr M. Sreelatha, Rajamanikyam Sushma, Dr P. Sudha Rani**, “A Comparative study to assess the knowledge on gastritis among male and female undergraduates in selected areas of Chittoor”. International Journal of Creative Researchn Thoughts (IJCRT), 2021: 9; 2320-2882.

40.0 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

40.1 Research projects

1. A project based on integrated medicine concept with title “Influence of integrated physiotherapy and Vedic therapy on pain, disability and quality of life in grade I, Osteo arthritis individuals” S.V.Vedic University. A fund of Rs.8,54,000/- is sanctioned Principal investigator Dr K.Madhavi, Professor and Principal i/c, College of physiotherapy, SVIMS, Tirupati and Co-investigator Dr S.Raghava Krishna, Tutor, COP, SVIMS, Tirupati.

4. **Mr.S.Raghava Krishna**, Tutor : Prospective Randomized controlled study comparing the efficacy of manual lymphatic drainage and pneumatic compression therapy on secondary lower limb lymphedema in patients undergoing surgery and or radiotherapy for gynecological malignancies”
5. **Mr.A.Srikanth**, Clinical therapist : “Effectiveness of Isokinetic resistance training versus theraband resistance training on the strength of internal and external rotators of shoulder in overhead athletes”.

40.2 Research Work

Ph.D thesis on going

1. **Mrs.N.Kavitha**, Tutor : Impact of exercises on functional exercise capacity and quality in relation to anemic status in patients undergoing single valve replacement surgery.
2. **Mr.M.Suresh Kumar**, Tutor : The impact of TENS and graded exercises in individuals with peripheral arterial disease in lower limbs”.
3. **Mrs.G.Kameswari**, Tutor : Effectiveness of low level laser therapy and TENS on myofascial triggerpoints in migraine and Tension headaches.

Ph.D thesis submitted

1. **Mr.K. Senthil Kumar**, Assistant Professor, College of physiotherapy, SVIMS – “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” Guide: Dr Abha Chandra, Professor, Department of Cardiothoracic Surgery, Sri Venkateswara Institute of Medical Sciences, Tirupati.

Thesis submitted PG students

1. **Mr.Mohammad Ali** “An observational study on the ratio of isokinetic strength of shoulder internal and external rotators in male cricket bowlers” (MPT).

- Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
2. **Mr.R.Sreekanth**“Efficacy of task specific training on motor performances of upper limb in stable stroke patients” (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 3. **Mr.L.Jaya Prakash.** Effect of PNF stretching and conventional physiotherapy on ROM and flexibility in text neck posture individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 4. **Ms.D.V.Jayachitra.** Effect of myofascial, trigger point release Vs. muscle energy technique on pain, and function in individuals with chronic plantar fasciitis (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 5. **Ms.R.Geervani.** Influence of positioning and breathing exercises or lung function and ABG parameters in postoperative CABG individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 6. **Mr.P.Sai Sandeep.** The influence of aerobic exercises through telehealth on cardiorespiratory fitness in middle age group individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 7. **Ms.D.Suseela.** Effectiveness of integrated, neuromuscular inhibition technique (INIT) on pain, ROM, quality of life in non – specific mechanical neck pain in computer operating individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 8. **Mr.M.N.Reddeppa.** An observational study of hamstrings and quadriceps ratio among the athletes (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020
 9. **Ms.M.Sahithya.** Effects of muscle energy techniques and proprioceptive training on pain and disability in mechanical low back pain for staff nurse population (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 10. **Mr.S.Balaji.** Efficacy of LLLT on pain jaw movement and equality of life in oral mucosrtics individuals with post chemotherapy head and neck cancer patients (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 11. **Ms.K.Navyacharitha.** Effect of muscle energy technique on shoulder pain, range of motion, functions in patients with periartthritis shoulder (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 12. **Ms.P.Sabithakanna.** Effectiveness of myofascial release technique with ultrasound versus positional release technique with laser in upper trapezii’s individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 13. **Ms.K.Manasa.** Efficacy of cryostretches with ultrasound versus ultrasound with weight bearing exercises on plantar flexors spasticity in the subjects with stroke (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.
 14. **Mr.S.S.Anil Kumar.** Efficacy of truncal exercises on balance and mobility in early ischemic stroke (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020.

Ongoing thesis of present PGs

1. **Ms.K.Divaya** “Comparision of low level laser therapy and ultrasound therapy on Pain and ROM

- in women cricketers with grade 2 lateral ankle sprains (MPT).
2. **Ms.T.M.Keerthana** “The effects of plyometric versus resistance training on explosive power and lower limb strength in young female volleyball players (MPT).
 3. **Ms.T.Mounika**. The Effects of Dulorme versus MacQueen strengthening techniques on the strength of quadriceps among kho-kho players (MPT).
 4. **Ms.Madhavi**. Effect of TDCS on upper limb function on post stroke patients (MPT).
 5. **Mosheena** “Effect of graded motor imagery on motor control of upper limb function and quality of life in patients with stroke (MPT).
 6. **Mr.Govindu Naik** “Efficacy of hippotherapy and therapeutic horseback riding stimulator on adductor spasticity gross motor function, trunk balance in sitting position children with spastic diplegic cerebral palsy (MPT).
 7. **Mr.V.Jayakrishna**. Efficiency of pulmonary rehabilitation in dyspnea physical activity and quality of life in adult asthmatic, an observation study (MPT).
 8. **Ms.S.Heena**. Awareness of exercise adherence in normal individuals and role of virtual physical activity motivating videos on PA quality of life in normal individuals during pandemic (MPT).
 9. **Ms.Swarnalatha**. A study on the immunity status on efficacy of breathing of aerobic exercises on affected and non-affected COVID-19 individuals (MPT).
 10. **Ms.K.Sandhya Rani**. Study of efficacy of fusion dance (yoga aerobic) on the pelvic floor muscle strength and hormonal levels (FSH, LH, testosterone, oestrogen, SHBG and size of cyst) in COPD individuals (MPT).
 11. **Mr.G.Lokesh**. A systemic review of muscle energy technique and stretching exercise on pain and range of motion of hip joint in individual with piriformis syndrome (MPT).
 12. **Ms.Y.Samykya**. A Systemic review of mobilizations on pain and range of motion in patients with frozen shoulder (MPT).
 13. **Ms.C.Deepika**. Impact of COVID-19 lockdown on “Acute low back pain with mobility deficits in desk workers (MPT).
- ### Ongoing Research
- DrA.Viswanath Reddy**, Associate Professor of physiotherapy “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).
- ### 40.3 Conferences attended; lectures delivered
- Dr K.Madhavi** attended the following
1. World conference on “Exercise Medicine” during the period of 20th October, 2020 to 11th November, 2020 organized by WCEM Malaysia.
 2. International physiotherapy conference on “Recent Advances in Physiotherapy” organized by physio Inculcators, on 6th September, 2020.
 3. Invited as Resource person for 58th Annual Conference of the Indian Association of Physiotherapy on “Physical therapy prioritize physical therapy in health sector yield significant impact on community acquired life saving measures.

organized by 58th IAPCON 2020-Chennai Mahabalipuram, Chennai, held on March 6,7 & 8-2020.

Dr C Shanthi attended the following

1. 58th IAP conference and presented a paper on “Playing video games for more than 3 hours a day in associated with shoulder, elbow and wrist pain in mixed players in S.V.Arts college” organized by 58th IAP at Mahabalipuram, Chennai during 06.03.2020 to 08.03.2020.
2. “Obesity and physical activity for health and fitness organized by care organization” at Hosur, Tamil Nadu

Dr K.Senthilkumar, Assistant Professor has attended in International Virtual E-conference on “A key of prevention, health promotion and wellness from modern viruses” organized by Janardhan Ravi Nagar Rajasthan, Vidyapeeth, Udaipur on 14.06.2020.

40.4 Guest lecture

Dr K.Madhavi

1. Online Quiz on Disability Awareness organized on the occasion of international Day for Persons with Disabilities organized by Composite Regional Centre for Skill development, Rehabilitation & Empowerment of Persons with Disabilities (CRC), Davanagere under the administrative control of the NIEPID, Secunderabad, Dept.of Empowerment of Persons with Disabilities, Ministry of Social Justice & Empowerment, Government of India. On 3rd December, 2020.
2. Two week (Online) Faculty Development Programme on “Transformation in Higher Education: Issues and Road Ahead” organized by Govt. Degree college

for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi during 28th September, 2020 to 12th October, 2020.

3. Virtual Teachers Day Summit on “Inter-Professionalism: The Education & Practice for the Present & Future Health Care System” organized by the Physio Inculcators, on 5th September, 2020.
4. Webinar on “Heart Attack” organized by Alumni Association of Government College of Physiotherapy, Chennai on 29th August, 2020.
5. Webinar on “Low Cost Adaptive Furniture for Children, using Card & Paper” organized by Alumni Association of Government College of Physiotherapy, Chennai on 19th September 2020.
6. As a Delegate in “MIDCON IASO -2020” Organized by Department of Surgical Oncology, SVIMS, Tirupati on 29th February, 2020 and 1st March, 2020.
7. As a Chief Guest on “Annual Day Celebrations of Sri Padmavathi Women’s Junior College, Tirupati, on 28/02/2020.
8. “Scope of Integrative Medical Treatment in Clinical Practice (SIMTI)” organized by Siddha Clinical Research Unit, Tirupati CCRS, Ministry of Ayush, Govt.of India and SVIMS on 3rd January, 2020.

Dr V.Srikumari, Associate Professor, has participated two week (Online) Faculty Development Programme on “Transformation in Higher Education: Issues and Road Ahead” organized by Govt. Degree college for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi during 28th September, 2020 to 12th October, 2020.

Annual Report 2020

40.5 CMEs/Seminars/Workshops/Orations conducted by the department

Not conducted because of COVID-19.

CMEs/Seminars/Workshops/Online Webinars attended and lecture delivered.

Dr K.Madhavi

1. As a panel member in the online panel discussion webinar on “On Campus Vs Off-Campus Learning” organized by Andhra Pradesh Physical Therapists Association” on 08th September, 2020.
2. Delivered a lecture in the webinar on “Importance of Therapeutic Prescription in Physiotherapy” organized by Alumni Association of Government College of Physiotherapy, Chennai on 05th September 2020.
3. Resource Person in the webinar on “Pulmonary Rehabilitation” organized by Raja Rajeswari College of Physiotherapy, Bangalore on the occasion of World Pneumonia Day 2020, held on 12th November, 2020.
4. webinar on “The Gait – Advancements in Below Knee Amputees” organized by Alumni Association of Government College of Physiotherapy, Chennai on 03th October 2020.
5. Delivered a lecture on “Role of physiotherapy in the society” organized by SVETA, TTD, Tirupati, on 22/01/2020 and 23/01/2020. DrK.Madhavi, Professor, has participated in the webinar on “Low Cost Adaptive Furniture for Children, using Card & Paper” organized by Alumni Association of Government College of Physiotherapy, Chennai on 19th September 2020.
6. Resource Person on “Role of physiotherapy to lead a healthy life style ” organized by Academic staff college S.V.University, Tirupati, on 24th February 2020.
7. Resource Person during webinar on “Pain Challenge in health care professionals and introspective analysis” organized by MNR’s Sanjeevani College of physiotherapy, 7th International Physiotherapy Webinar-2020, on 07th May, 2020.
8. Resource Person during webinar on “Role of Oxygen Transport in Enhancing the Quality of Life” on 07th may, 2020.
9. As guest speaker and secured appreciation certificate delivered a talk on “How to Publish a Paper during Certificate Course in Clinical Learning and Research Methodology” on 23rd August, 2020 to 26th September, 2020.
10. Webinar on “Muscle Energy Techniques” organized by Alumni Association of Government College of Physiotherapy on 21st November, 2020.
11. Webinar on “Post-Burns Sequelae And Its Challenges in Rehabilitation” organized by Alumni Association of Government College of physiotherapy, Chennai on 07th November, 2020.
12. Webinar on “Understanding Risk and Safe Physiotherapy Interventions: An Overview for physiotherapists” organized by Alumni Association of Government College of Physiotherapy, Chennai on 24th October 2020.
13. Webinar on “Cardiac Plasticity: Myth or Actuality” organized by Alumni Association of Government College of Physiotherapy, Chennai on 24th October 2020.

14. Webinar on “Pelvic Floor Physiotherapy” organized by Alumni Association of Government College of Physiotherapy, Chennai on 17th October 2020.

Dr A.Viswanath Reddy

1. Resource person for International webinar on “Rehabilitation and Covid-19” organized by department of therapeutics – physiotherapy division NIEPMD, Government of India, on 11th September 2020.
2. Webinar “Isokinetic on overview” organized by department of physiotherapy, NIMS, Hyderabad on 13th May 2020.

Dr V.Srikumari

1. National webinar on “Holistic wellness in combating the Covid-19 pandemic” organized by department of physical education, Sri Padmavathi Mahila, Viswavidhyalayam, Tirupati during 17 - 21 June, 2020.
2. Webinar on “ADHD” causes and interventions for parents and professionals held on 18th December 2020 conducted by Ebility support Services.
1. **Dr C. Shanthi**, Assistant Professor, has attended a webinar on “Mathematical modeling and sample size determination in research” conducted by GITAM university.

Dr K.Senthil Kumar

1. Webinar on “Analysis and management of prosthetic gait” organized by A.P. Physiotherapy teacher consortium on 10th June 2020.
2. Webinar on “Role of accreditation standards in physiotherapy and occupation therapy centers” organized by quality and accreditation institute (Centre for education and training).

3. Webinar on “Copping therapy” organized by AOMPT on 17th May 2020.
4. Webinar on “Understanding the protect for assessment of chronic pain” organized by Team Spinex Global, on 11th July 2020.

Dr N.Kavitha & Dr M.Suresh Kumar

1. National webinar on “Holistic wellness in combating the Covid-19 pandemic” organized by department of physical education, Sri Padmavathi Mahila, Viswavidhyalayam, Tirupati during 17 - 21 June, 2020.
2. International webinar on “Nutrition and immune system support during Covid-19 Pandemic” organized by department and home science, Sri Padmavathi Mahila Viswavidhyalayam during 15 – 16 June, 2020.

Ms.K.Asha Jyothi

3. A paper on “Women and health Covid – 19” in international e-conference on Gender justice organized for legal research and studies on 10th April, 2020.
4. 3 days national webinar on Yoga and meditation organized by Sri Padmavathi Women’s Polytechnic, Tirupati from 27 - 29 August, 2020.
5. Online webinar on Research publications and citations perspective of a highly cited researcher by Alok Mital on 7th May, 2020.

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.

40.6 Other academic activities

Dr K.Madhavi

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 -2020. (as a SVIMS Leader for College of physiotherapy).
 6. BLS & ACLS course by AHA
- 1 **DrC. Shanthi**, Assistant Professor, has nominated as a library stock verification committee member.

Dr K.Senthil Kumar

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, 2020.
5. Organized teacher's day at college of physiotherapy, Tirupati, on 05th September, 2020.
6. Organized International Yoga day at SVIMS, Tirupati, on 16th June, 2020.
7. Our students and staff participated in "Swatch SVIMS" every week staff and students.
8. Participated in medical camp conducted by SVIMS.



Tirumala Tirupati Devasthanams



VIII. CENTRAL FACILITIES



VIII. Central Facilities

1.0 IT DEPARTMENT

The Hospital Management System in SVIMS was implemented in the year 2013 and till now we are following the Workflow based ICT solution. This HIS 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 fullfledgedly implemented.

Objectives of the project developments in the year 2020

1. To develop a fully integrated HIS for various areas of the hospital – Emergency Services, Operation Theatre, Diagnostics 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 HIS 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. Mobile App Facility incorporated to take appointment before the visit of the patient 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 to Virology Free Tests as a new innovated module and implemented sample collection format.

Innovative practices in Patient care services:

1. No Q Appointment system through Mobile with a change in advance day booking.
2. Provided 12 new services under No Q for token generation.
3. SVIMS clinic was established with LAN connectivity for serving TTD and Staff reference with exclusive counters.
4. Cfar (CENTER FOR ADVANCED RESEARCH) building was also provided with Internet connectivity for ehospital, eoffice with new located departments like Virology, Bioinformatics, Biostatistics for about 60 connections.
5. SVIMS-Sri Padmavathi Medical College for women Hospital was established with 5 block connectivity having 460 connections for the utilization of Hospital management system in future.

Future Road map on Upgradation / Integration on all IT related aspects

1. Digitized record system with respect to patient medical record is initiated.
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 introduce in coming future.
4. Paperless Blood collection area: Through 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 our hospital for total diagnosis information of the patient from time to time by the doctors with in 24hours.

The HIS 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 576 Personal computers and Internet usage is for about 469 clients, 395 printers, 86 LCD projectors, 65 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 52 Personal computers, 30 printers and 10 scanners during the year 2020

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 28 connections during the year 2020 when compared to previous years are 450 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. Tumour 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 of reading rooms for faculty, P.G. doctors, paramedical students, two personal reading rooms and e-library with 15 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	11588
2.	Back volumes of bound journals	6868
3.	Non-book materials	018
4.	Dissertation collection	1512
5.	Current journals (2020)	148 (Foreign-79 : Indian- 69).

E-Resources:

1. **ERMED CONSORTIUM:** National Medical Library, New Delhi providing to access 241+ E-journals on free of cost.
2. **The National Cancer Grid:** Tata Memorial Hospital, Mumbai (TNH, Mumbai) providing free access to 'Clinical key' (Elsevier) and some 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 charge.
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 B. Siddhartha Kumar	Senior Professor, Dept. of Medicine	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	Dr. J. Usha Rani	Accounts Officer	Member
6	Mr. D.V. Diliph Kumar	Deputy Director, Academic Section	Member
7	Dr. P. Sudha Rani	Principal I/c, College of Nursing	Member
8	Dr. A. Omkar Murthy	Librarian	Convener

Library staff:

1. Dr. A. OMKAR MURTHY Librarian
2. Library Assistants 9 Nos. Outsourced
3. Supporting staff 2 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, 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.

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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 18 representations and 4 appeals in 2020. 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 by Dept. of Pharmacology & from then onwards it is being maintained by Pharmacology department.

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.

Biannual meeting was completed in the year of 2020

CPCSEA accepted the following as IAEC, SVIMS members

S.No	Name of the IAEC Members	Designation in IAEC
01	Dr. Sharn 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

S.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 – 517 502, Andhra Pradesh.	Main Nominee
02	Prof. R.Nagaraju Institute of pharmaceutical technology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, Andhra Pradesh.	Link Nominee
03	Dr. Santhrani Thakur Professor, Institute of pharmaceutical Technology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati – 517 502, Andhra Pradesh.	Scientist from outside of the Institute
04	Prof. of Y.V. Rami Reddy Sri Venkateswara University, Tirupati – 517 502, Andhra Pradesh	Socially aware Nominee

As informed by CPCSEA a meeting was convened with constituted IAEC members on 27-10-2018 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 (Professor & HOD of Pharmacology) is the coordinator, Dr. K.Vijaya Chandra Reddy (Associate Professor of Pharmacology) is the deputy coordinator. Total 47 Adverse Drug Reactions were reported from various departments of SVIMS from January, 2020 to December, 2020.

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' from 21-12-2020 to 23-12-2020 to improve ADR Reporting.

Pharmacovigilance Committee

Pharmacovigilance Committee (PVC) was reconstituted on 01-11-2019 with the following the members:

1. Dr. Sharan B Singh M, Principal, Chairman
2. Dr. Alok Sachan, Professor & HOD of Endocrinology, Co-Chairman
3. Dr. K. Umamaheswara Rao, Professor & HOD of Pharmacology, Co-ordinator
4. Dr. K. Vijaya Chandra Reddy, Associate Professor of Pharmacology, Dy. Co-ordinator
5. Dr. Y. Mutheeswaraiiah, Professor & HoD of General Surgery, Member
6. Dr. Katyaramal, Professor of Medicine, Member
7. Dr. K. R. Subash, Professor of Pharmacology, Member
8. Dr. Punith Patak, Associate Professor & HoD i/c of Paediatrics, Member
9. Dr. A. Surekha, Associate Professor of Dermatology, Member
10. Mrs. Prabhavathi, A.D. (Nursing), Member

Causality assessment committee:

Causality Assessment Committee (CAC) is 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, Professor & HoD of Pharmacology - Chairman
2. Dr B.Siddhartha Kumar, Professor of Medicine - Member
3. Dr K.Vijaya Chandra Reddy, Associate Professor of Pharmacology – Member
4. Dr N. PunithPatak, Associate Professor & HoD i/c of Paediatrics - Member
5. Dr A Surekha, Associate Professor of Dermatology – 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. Ram, Medical Superintendent - Chairman
2. Dr. K. Umamaheswara Rao, Prof. & HOD of Pharmacology - Member Secretary
3. Dr. Aloka Samantaray, Prof. & HOD of Anaesthesiology - Member
4. Dr. V. Vanajakshamma, Prof. of Cardiology - Member
5. Dr. Chandramalitheswaran, Assoc.Prof. of Surgical GE - Member
6. Dr. K. Vanaja, Assoc. Prof. of OBG - Member
7. Dr. D. Bhargavi, Assoc. Prof. of Med. Oncology - Member
8. Dr. Punith Patak, Assoc. Prof. of Paediatrics - Member
9. Dr. Katyaramal, Associate Professor of Medicine-Member
10. Dr.C.Pallavi, Asst. Prof. of Pharmacology- Member
11. Dr. Ramyapriya, Asst. Prof. of Nuclear Medicine-Member
12. Dr. B. Sivanandh, Asst. Prof. of Psychiatry - Member
13. Dr. R. Jayaprada, Asst. Prof. of Microbiology - Member
14. Mr. Dr.J.Usha Rani, Account Officer - Member
15. Dr. M. Yerram Reddy, D.R Purchase - Member
16. Mrs. Prabavathi, A.D Nursing - Member

17. Mr. L.Satheesh, A.D Stores - Member
18. Mrs.G.Sirisha, Medical Record Officer - Member
19. Mrs. C. Sunitha, Nursing Superintendent Gr.-I - Member
20. Dr. Peta Subramanyam, Senior Pharmacist - Member

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

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
3. 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 two.

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 charges. 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 (2020-21)

8.1 Engineering Division, TTD, SVIMS:

The Tirumala Tirupati Devasthanams established a separate Engineering Division for execution of Capital and Maintenance works headed Executive Engineers with the following:

Annual Maintenance completed in SVIMS, Tirupati for the year 2019-20

S. No.	Name of the work (Rs.)	Cost in Lakhs
1	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.	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.	30.00
3	Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati.	30.00
4	Annual water proof repairs and leakages of all buildings in SVIMS Hospital, College of Nursing and BPT at Tirupati.	10.00
5	Balance Annual Maintenance works in SVIMS Hospital.	5.00

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Annual maintenance progress in SVIMS, Tirupati for the year 2020-21

S. No.	Name of the work (Rs.)	Cost in Lakhs
1	Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati.	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.	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.	40.00

Annual maintenance proposals in SVIMS, Tirupati for the year 2021-22

S. No.	Name of the work (Rs.)	Cost in Lakhs
1	Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati.	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.	40.00
3	Annual Maintenance of SPMC (W) General Hospital, Bio- Technology building in SVIMS.	30.00
4	Annual Maintenance of SPMC (W) hostels, PG Quarters, Boys & Girls hostels, SVIMS Director bungalow, Professors quarters in SVIMS.	30.00

Executive Engineer VII

Sri. G.V. Krishna Reddy

Dy. Executive Engineer (H)

Sri. P. Krishna Kanth Reddy

Asst. Engineer -I (H)

Sri S. Kishore Kumar

Asst. Engineer-II (H)

Sri P.S. Prakash Babu

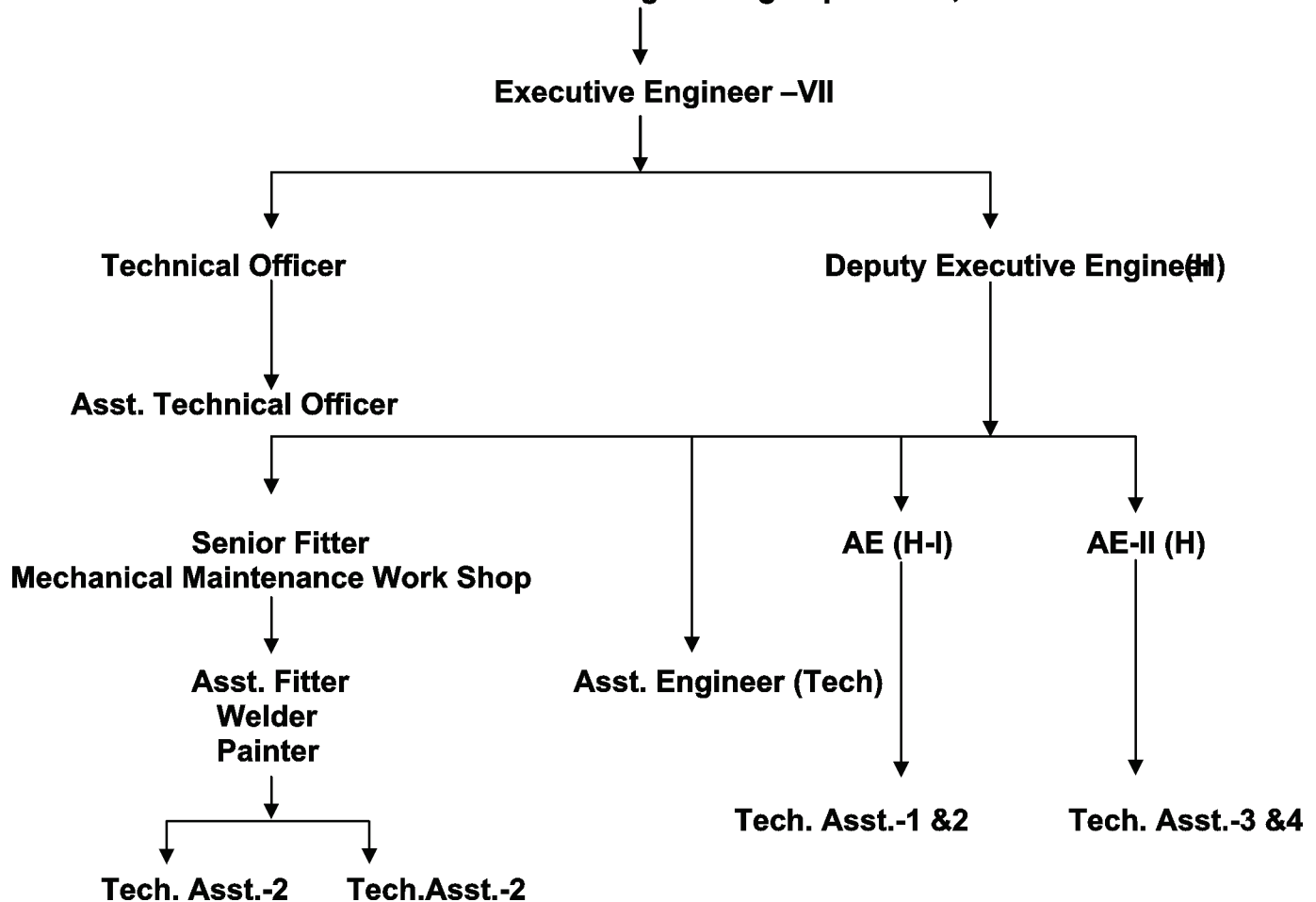
Asst. Engineer (Technical)

Sri T.V.P. Kumar

Senior Fitter

Sri. K. Benarji

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

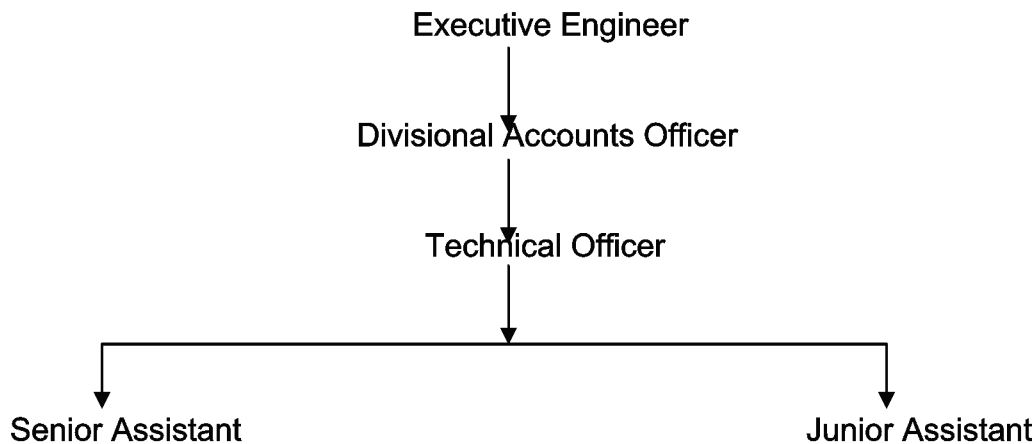
Dy. Executive Engineers
Sri. Y. Ramesh Babu

Assistant Engineer / Asst. Executive Engineer
Sri. M. Chandra Reddy Sri. S.N. Ravi Sankar
Sri. G. Koteswara Rao Sri. C. Suresh Kumar
Sri. K. Pavan Kumar

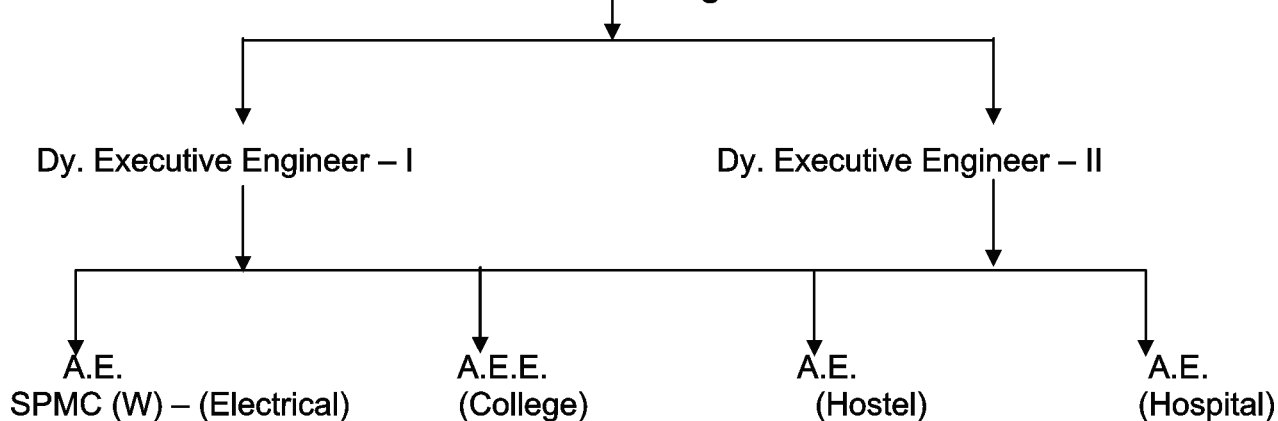
Technical Officer
Sri. Ch. Subbrayulu Sri. G.H. Prasad

Senior Assistant
Sri. K. Mahudushana Reddy

Office Structure



Field Structure



Sri Venkateswara Institute of Medical Sciences

Annual maintenance progress in APMSIDC, Tirupati for the year 2020-21

S. No.	Name of work	A.S. Amt. (Rs. In lakhs)	Name of Agency and address	Agmt Amount (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., Hyd..	2679.27	Work completed and handed over.	3457.33	-----	3457.33
2	Construction of Hospital Building to SPMC (W)	10050	M/s. BPR Infrastructure Limited, Hyd.	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 Malajgiri,	97.00	Work completed.	79.30	-----	79.30
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
8	Providing Play Grounds and CC road to SPMC at Tirupati	50.00	M/s. D.S. Infra Projects, Tirupati	30.10	Work completed.	43.88	-----	43.88
9	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
10	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.	467.42	-----	467.42

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11	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.	49.44	-----	49.44
		2095.00		900.95		1722.83		1722.83
1	Phase-II Construction of additional floors over E&F blocks of Hospital Buildings in SPMC (W)	2322.00	M/s. Arrow Constructions Limited	1900.29	Work stopped due to U.O.Note. No.FIN01-FMUOASD (WR1)/80/2019 (Comp No.898809) Dt.29-05-2019 of the Chief Secretary to Government.	189.88	-----	189.88
2	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	1) Girls Hostel : Plinth beam laid. Further work is in progress. 2) HOD Quarters: Footings and Pedastals & Columns upto Plinth beam laid. 3) Nursing Quarters: Columns laid upto Plinth Beam bottom. side wall concrete completed., 4) Teaching Qtrs: Columns laid upto Plinth Beam bottom alround side wall PCC concrete completed 5) Non Teaching Quarters: Columns laid upto Plinth Beam bottom alround side wall PCC concrete completed.	190.50	-----	190.50
		12140.00		6503.85		380.80	-----	380.80

Sri Venkateswara Institute of Medical Sciences

Annual maintenance progress in APMSIDC, Tirupati for the year 2020-21

S. No.	Name of work	A.S. Amt. (Rs. In lakhs)	Name of Agency and address	Agmt Amount (Rs. In lakhs)	Stage of Work	Expenditure (Rs. In lakhs)		
						Upto last month	During the month	Cumulative
1	Providing Medical Oxygen Gas pipe line connections to the Covid-19 Wards in 4th Floor of Sri Padmavathi Medical College for Women Hospital, Tirupati in Chittoor District	15.60	M/s. I. Muni Mohan Reddy & Co.,	12.95	Work completed	15.48	----	15.48
2	Providing Central Medical Gas pipe line System for 120 Bedded (Oxygen Air & Caccum) at Sri Padmavathi Hospital, Tirupati in Chittoor District.	51.00	M/s. I. Muni Mohan Reddy & Co.,	40.71	Work completed	24.29	----	24.29
		66.60		5366		39.77	-----	39.77

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 Equipment, Surgical consumables, disposables, implants, medicines, chemicals, diagnostic kits, sanitary, stationery, linen, spares, instruments, furniture electronic items like Personal computers, printer & scanners, etc. through e-tenders and quotations.

At a glance:

Budget Allotted for the F.Y.2020-21:Rs. 62,03,00,000/-

S.No.	Particulars	Jan - Dec' 2020
1	No. of Indents received	863
2	No. of Purchase Orders issued	1619
3	Value of Purchase Orders	Rs.27,29,26,314/-

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Meetings conducted during the period Jan-Dec,2020 :

i. Purchase Committee Meeting:

S.No.	Date	List of equipments placed
1	21.02.2020	Procurement of various equipments for use in Anaesthesiology, Neurology, Nursing, Neurosurgery, Nuclear Medicine, Radiotherapy, Radiology.
2	03.03.2020	Procurement of various equipments for use in Anaesthesiology, Neurosurgery, Radiology, VRDL, Microbiology, Computer Section.
3	21.09.2020	Procurement of various equipments for use in Anaesthesiology, Medicine, Nephrology, VRDL, Microbiology, General Maintenance, Biotechnology, Radiology, Ophthalmology, Psychiatry, Pathology, Biochemistry

ii. Tenders Published:

S.No.	Date	List of equipments placed
1	24.01.2020	Medical equipment, reagent rental agreement, General items
2	10.06.2020	Medical equipment, medical items, reagents, diagnostic kits
3	15.10.2020	Medical equipment, surgical consumables and disposables
4	21.11.2020	Medical equipment

iii. Pre-bid Meeting:

S.No.	Date	Particulars
1	25.06.2020	Medical equipment, Medical, diagnostics & reagents
2	01.07.2020	Rate contract-Chemicals, glassware, plastic ware & culture media & others
3	23.10.2020	Medical equipment

iv. Tender Document Evaluation Meeting:

S. No.	Date	Particulars
1	05-06.02.20	General items
2	08- 10.02.2020	Medical equipment
3	14 - 15.02.2020	Medical equipment
4	10.08.2020	Medicines, diagnostic kits & reagents
5	11.09.2020	Medicines, diagnostic kits & reagents
6	03.10.2020	Speciality drugs
7	05 - 06.11.2020	Medical equipment
8	24.11.2020	Surgical items
9	10.11.2020, 01.12.2020 & 14.12.2020	Medical equipment

v. Specific Purchase Committee Meeting:

For Up-gradation of existing Siemens Artis Cathlab in dept. of Cardiology conducted on 21 & 28-12-2020.

vi. Negotiation Committee Meeting:

S.No.	Date	Particulars
1	11.01.2020	Up-gradation of old D10 equipment
2	13.02.2020	Radioactive Iodine-131
3	10.03.2020	Radiometer immune analyzer
4	10.03.2020	6th CAMC Price Negotiation for 128 slice CT scanner
5	05.06.2020	General items - Stationery, sanitary, computer stationery & linen
6	04.07.2020	ABG machine – Testing charges for blood samples
7	18.07.2020	Chemicals, glassware, plasticware, culture media & others
8	20.08.2020	Surgical items
9	13.10.2020	6th CAMC Price Negotiation for Biograph-6 PET-CT scanner & Cathlab
10	27.10.2020	Medical equipment
11	31.10.2020	Consumables & disposables
12	10.11.2020	Medical equipment
13	03.12.2020	Medical equipment
14	14.12.2020	Medical equipment

vii. Purchase of Equipments at various stages (Jan-Dec, 2020) :

S. No	Name of the equipment	Qty.	Department	Amount (Rs.)	Source of Fund	Status
1	High frequency nasal cannula system with consumables	05	Anaesthesiology	35,56,000	SBAVP	Received
2	CO2 Incubator	01	VRDL, Microbiology	4,61,157	ICMR	PO issued
3	Co-Ablator	01	Nerurosurgery	7,39,480	SVIMS	Received
4	Slow suction	02	Neurosurgery	7,68,320	SVIMS	Received
5	Transcranial Doppler	01	Neurology	13,16,000	SVIMS	PO issued
6	Shaker Incubator	01	VRDL, Microbiology	8,05,226	ICMR	PO issued
7	Washing machine with extractor	03	Nursing	41,44,348	COVID Grant	PO issued
8	Canon printers	10	Various depts.	1,05,000	SVIMS	Received
9	EPSON V39 scanners	02	Dr. YSR Aarogyasri & EHS	9,078	SVIMS	Received
10	LED Monitors	03	Various depts.	16,957	SVIMS	Received
11	Scrub tank	01	Cardiology	2,89,100	Pranadanam fund	Received

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S. No	Name of the equipment	Qty.	Department	Amount (Rs.)	Source of Fund	Status
12	IRIS scanner	01	Aarogyasri	15,340	SVIMS	Received
13	Shifting and refitting of work benches with granite top at CfAR building	-	Biotechnology	1,00,800	SVIMS	Received
14	Antistatic twin wheels	04	Nephrology	25,974	SVIMS	Received
15	Automatic door closer	33	VRDL, Microbiology	66,726	VRDL	Received
16	Wheel chair belts Received	96	SPMC(W)	65,816	SVIMS	
17	Patient shifting trolley belts	260	SPMC(W)			
18	Crash cart	12	Various depts.	2,44,798	SVIMS	Received
19	Biological safety cabinet class II Type B2	01	Medical Oncology	2,56,420	SVIMS	Received
20	Mini audio system	01	Pink bus	31,589	SVIMS	Received
21	Personal computer (High end version)	01	Medicine	75,349	SVIMS	Received
22	Vertical autoclave	01	Pathology	1,10,448	SVIMS	Received
23	Sports & games items for Unifest, 2020	-	Sports Board	2,05,152	SVIMS	Received
24	Biometric door locks	02	VRDL, Microbiology	46,020	VRDL	Received
25	Repair works of various furniture items	-	College of Physiotherapy	1,34,767	SVIMS	PO issued
26	Open iron rack-8 shelves	-	MRD	1,18,325	SVIMS	PO issued
27	Automatic door closer	33	VRDL, Microbiology	66,726	VRDL	Received
28	Cricket bats for Unifest, 2020	04	Sports Board	20,900	SVIMS	Received
29	Digital weighing balance	01	Pathology	6,938	SVIMS	Received
30	EPSON DS-530 scanner	01	Stores	32,630	SVIMS	Received
31	Display boards Notice boards Writing white boards for teaching	02 02 01	VRDL	41,000	VRDL	Received
32	CSSD trolley	03	OTs, ICUs & wards	1,18,500	SVIMS	Received
33	Eye wash with shower	04	Various depts.	1,11,720	SVIMS	Received

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S. No	Name of the equipment	Qty.	Department	Amount (Rs.)	Source of Fund	Status
34	Eye wash stations	12				
35	Repair of student cots	40	Choultry (dormitory)	92,800	SVIMS	Received
36	Slide filling cabinet	01	Pathology	3,10,262	SVIMS	Received
37	Block filling cabinet	01				
38	Refrigerator (1100L)	01	Virology lab	89,181	SVIMS	Received
39	Biomedical waste trolley	06	Various depts.	2,28,600	SVIMS	Received
40	Lotion dispenser-200 ml	65	OPD, SPMC(W) hosp. & SVIMS clinic	38,350	SVIMS	Received
41	CO2 type fire extinguishers - 4.5 kg & 3 kg	05 (ea ch)	MBBS hostel & Nephroplus	61,935	SVIMS	Received
42	Lenovo desktops	02	Neurology & MRD	88,000	SVIMS	Received
43	Phlebotomy chairs	07	Pathology	82,600	SVIMS	Received
44	LCD projectors	03	Nuclear medicine, Medical oncology & Biochemistry	2,07,300	SVIMS	Received
45	Multi seater benches	15	OPD, SPMC(W) hosp. & SVIMS clinic	69,030	SVIMS	Received
46	A4 scanners	08	Dr. YSR & EHS , Neurology	31,199	SVIMS	Received
47	Desktop Monitors	15	Various depts.	63,202	SVIMS	Received
48	1000 LPH RO system + pipeline + accessories for dialysis unit	01	SPMCW(H)	5,90,000	SVIMS	Received
49	Iron shoe stands	100	MBBS Hostel	44,500	SVIMS	Received
50	Canon colour printer	01	Community medicine	17,200	APPCG	Received
51	Personal computer	01	Community Medicine	44,000	APPCG	Received
52	Cloud based attendance software, maintenance as per MCI norms	01	SPMC(W) College	59,354	Other infrastructure	Received
53	Magnus monocular microscopes	12	Anatomy	2,79,660	Other infrastructure	PO issued
54	Modification of double decker	05	Pharmacology	39,072	Other infrastructure	Received
55	Tissue floatation bath	01	Anatomy	22,897	Other infrastructure	PO issued

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S. No	Name of the equipment	Qty.	Department	Amount (Rs.)	Source of Fund	Status
56	Canon colour printer	01	SPMC(W) college	15,779	Other infrastructure	Received
57	Personal computers	03	Principal office & lecturer galleries	1,39,122	Other infrastructure	Received
58	Binocular microscopes	10	Microbiology, SPMC(W)	3,68,790	Other infrastructure	PO issued
59	Magnus monocular microscopes	10	Physiology	2,32,731	Other infrastructure	PO issued
60	DVT Machine	02	Neurology	3,24,890	SVIMS	Received
61	UV cabinet	01	Microbiology	10,561	SVIMS	Received
62	Open Iron Racks	20	MRD	1,18,325	SVIMS	PO issued
63	Thermal scanners	10	SVIMS	64,900	SVIMS	Received
64	Regular lead Aprons	10	Neurosurgery	84,460	SVIMS	Received
65	Modification of double decker	05	Pharmacology	39,072	Other infrastructure	Received
66	Caster wheels to dialysis machine (spare)	70	Nephrology	1,30,876	SVIMS	Received
67	Biological safety cabinet class II Type B2	01	Pathology	2,56,420	SVIMS	Received
68	X-ray view boxes	07	Radiology	23,050	SVIMS	Received
69	Wooden foldable tables	07	Radiology	19,530	SVIMS	Received
70	Epson DS-530 scanner	01	VRDL, CfAR	32,630	SVIMS	PO issued
71	Printers	25	Various depts..	2,47,505	SVIMS	Received
72	Nephroscope	01	Urology	3,28,570	SVIMS	Received
73	Western blot complete unit	01	VRDL, SVIMS	2,36,997	VRDL, SVIMS	Received
74	ZOOM software	-	SPMC(W), CON, COP	2,06,500	Other infrastructure	Received
75	QR code readers	07	Dr. YSR Aarogyasri	39,235	SVIMS	Received
76	Personal Computers	05	MRD, OPDs wards & new counters	2,31,870	SVIMS	Received
77	Thermal scanner	10	Various depts..	24,780	SVIMS	Received
78	Ureterorenoscope	01	Urology	3,17,275	SVIMS	Received
79	Instruments	-	Neurology & Pathology	12,287	SVIMS	Received
80	Welding machine	01	Mechanical Maintenance Workshop	8,260	SVIMS	Received

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S. No	Name of the equipment	Qty.	Department	Amount (Rs.)	Source of Fund	Status
81	Crash carts	13	Various depts..	3,25,208	SVIMS	Received
82	Rectal markers	02	Radiation Oncology	73,696	SVIMS	Received
83	Micro surgical instruments	01	Surgical Oncology	43,239	SVIMS	Received
84	Aerosol disinfecter, Vacuum aspirator	01	Biochemistry	1,44,308	SVIMS	Received
85	Formalin meter	01	Pathology	59,035	SVIMS	Received
86	Zeiss magnification loupe		Surgical Oncology	3,08,000	SVIMS	Received
87	Personal computers	05	Medicine, credit cell, stores, billing & CT surgery	2,31,870	SVIMS	Received
88	Corrosive cabinets	02	Pathology	2,42,844	Other infrastructure	PO issued
89	Crash cart drug boxes	120	Various depts..	10,762	SVIMS	Received
90	Hot Air Oven	01	Biotechnology	49,560	SVIMS	PO issued
91	Central Processing Unit	07	Various depts..	2,62,693	SVIMS	Received
92	SS tray	01	Surgical GE	3,461	SVIMS	Received
93	Bins & trays	-	Surgical GE & Surgical Oncology	43,624	SVIMS	Received
94	Personal computers	02	Medical Oncology & Academic section	92,748	SVIMS	Received
95	Internal 1 TB SATA harddisk	07	Various depts..	24,945	SVIMS	Received
96	Oxygen B-type cylinders	30	Gas room, General Maintenance	2,40,720	SVIMS	Received
97	Shaker Incubator	01	VRDL, Microbiology	8,05,226	ICMR	PO issued
98	Personal computers	06	Dr.YSR Aarogyasri	2,78,244	SVIMS	Received
99	CC cameras	04	Exam Section	51,295	SVIMS	PO issued
100	Bedside lockers	38	Cardiology	2,10,748	SVIMS	PO issued
	TOTAL			2,35,82,387/-		

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viii. Spares& Accessories for equipment: The Spares are procured as per the request of the HoD concerned in consultation with Sr. BME. The Accessories are procured as per the request of the HoD. Majority of the accessories are procured for Monitors of various companies. For the F.Y. 2020-21 up to Dec, 2020 the accessories worth of Rs. 10.09 lakhs and spares worth of Rs. 37.46 lakhs are procured.

ix. Reagent Rentals: The following equipments are installed and maintained at free cost by the companies on the basis of purchase of reagents for performing tests.

S.No.	Equipments	Qty
1	TACE-II	03
2	Automated grouping & Cross matching equipment	01
3	NAT	01
4	HbA1C D 10	02
5	Access & Immuno Assay Analyser	02
6	a) Unicel DXC 600 Auto Analyzer	01
	b) AU 680 Clinical chemistry Analyzer	01
7	Blood Gas Analysers	03
8	Vitros Eci Chemilumiscense	01
9	Fluoro Checker & Nano Checker	01
10	Automated ELISA	01
11	DSX4 Plate Elisa Process	01
12	Nephelometer	01
13	MISPA REVO PCT Analyzer	01

Department	Make
Transfusion Medicine	Terumo Penpol
Transfusion Medicine	Ortho Clinical
Transfusion Medicine	Roche
Endocrinology	Biorad
i. Biochemistry	Beckmann
ii. Endocrinology	
Biochemistry	Beckmann
Biochemistry	Beckmann
CTRR, RICU, Biochemistry	Eischweiler
Transfusion Medicine	Ortho clinical
Cardiology	Nano & Fluoro
Biochemistry	Euroimmuno
Microbiology	Avantor
Microbiology	Agappe
Microbiology	Agappe

10.0 DIETARY SERVICES

Chief Dietitian

M. Sunitha Devi

Asst. Dietitians

K Geetha

R Brahmini

M Sowjanya & M Bargavi

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.

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The following number of OP patients and IP Patients is given diet counselling from January 2020 to December 2020.

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.
- Regular inspection of Covid-19 patients in SPMCH(W).
- Diet supply to the inpatients and staff of Covid- 19 in SPMCH(W)
- Liquid diet supply to the inpatients who are unable to take solid diet of Covid- 19 in SPMCH(W)
- 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	789	3004
2	February	791	2853
3	March	658	2931
4	April	247	1697
5	May	393	1840
6	June	717	2642
7	July	281	1922
8	August	0	1629
9	September	237	2088
10	October	427	2402
11	November	599	2714
12	December	720	3059

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Diet supplied to various groups of patients from January 2020 to December 2020:

S No	Month	No. of patients under Dr. YSR Scheme	No. of patients under Pd scheme	No. of patients Liquid diet	No. of patients of Covid-19 SPMCH(W)
1	January	10267	0	2275	-
2	February	10809	0	2275	-
3	March	9332	0	2305	-
4	April	3866	0	1420	1418
5	May	3489	0	1185	2804
6	June	6292	0	1460	3529
7	July	4545	0	1475	10020
8	August	1336	0	815	15175
9	September	2351	0	720	15757
10	October	5090	0	1175	12682
11	November	6455	19	1560	5780
12	December	8054	13	1835	3355

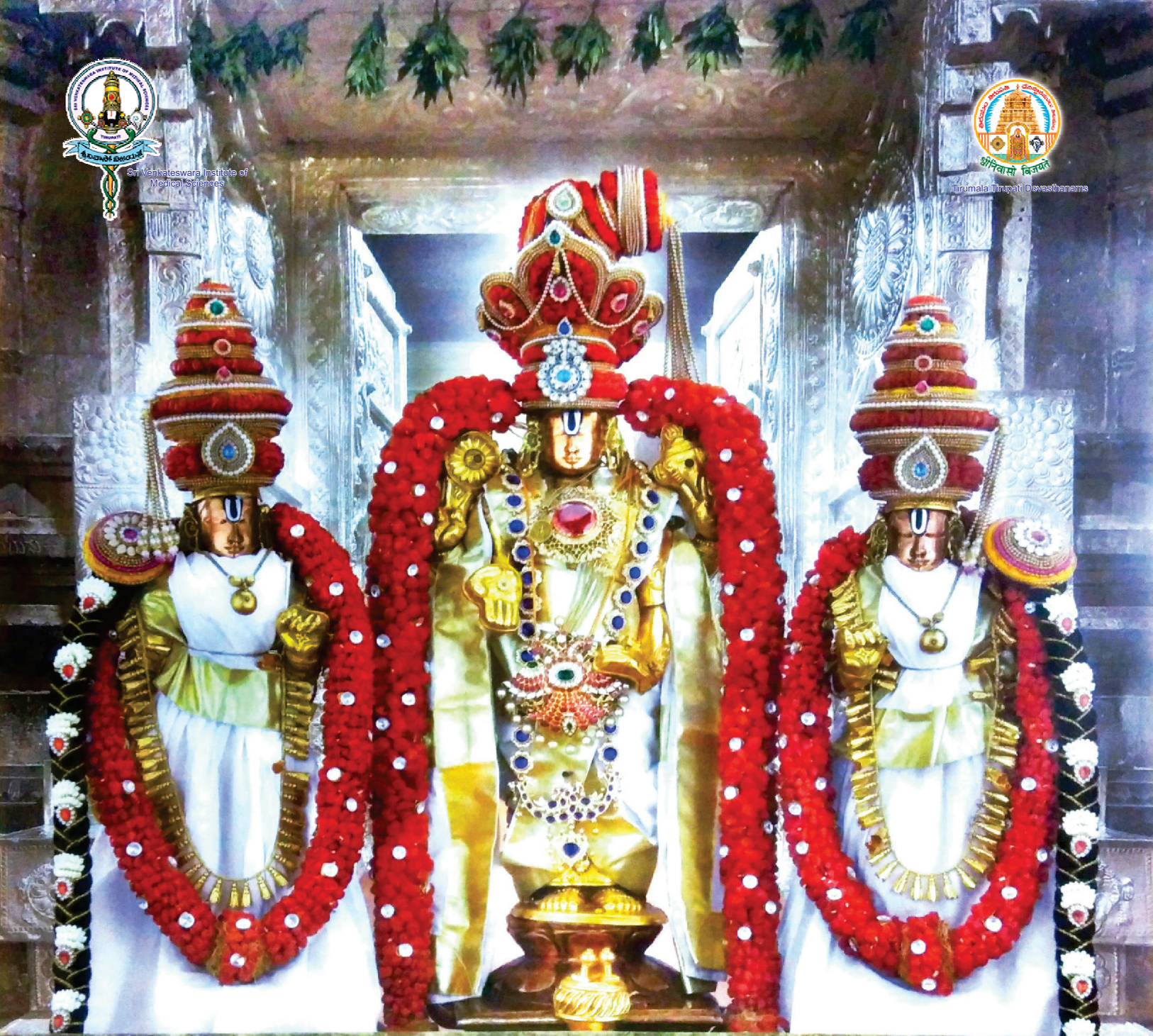
Covid-19 inpatients admitted in SPMCH (W)



Sri Venkateswara Institute of
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Tirumala Tirupati Devasthanams



IX. STATUTORY BODIES



IX. STATUTORY BODIES

The following bodies govern the institute:

1.0 The Governing Council:

1.	Sri Y.S. Jagan Mohan Reddy, Hon'ble Chief Minister, Govt. 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.	Sri Anil Kumar Singhal, IAS Principal Secretary, Health, Medical & Family Welfare Department, Govt. of AP, Velagapudi.	Member
6.	Sri Shamsheer Singh Rawat, IAS Principal Finance Secretary (PFS), Finance Department, Govt. of AP, Velagapudi.	Member
7.	Dr K.S. Jawahar Reddy, 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, National Medical Commission, New Delhi (erstwhile MCI)	Member
12.	The Vice-Chancellor, Dr NTR UHS, Vijayawada	Member
13.	The Vice-Chancellor, S.V.University, Tirupati	Member
14.	Dr B. Siddhartha Kumar, Dean, SVIMS, Tirupati	Member
15.	Sri Krishnamoorthy Vaithyanathan, Member-TTD Board of Trustees, Tirupati	Member
16.	Dr Perigela Murali Krishna, 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

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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.	Sri Anil Kumar Singhal, IAS Principal Secretary, Health, Medical & Family Welfare Department, Govt. of AP, Velagapudi.	Member
5.	Sri Shamsher Singh Rawat, IAS Principal Finance Secretary (PFS), Finance Department, Govt. of AP, Velagapudi.	Member
6.	Dr. K.S. Jawahar Reddy, IAS, Executive Officer, TTD, Tirupati	Member
7.	Dr B. Siddhartha Kumar , Dean, SVIMS, Tirupati	Member
8.	Sri Krishnamoorthy Vaithianathan, Member - TTD Board of Trustees	Member

3.0 The Finance Committee

1.	Dr B.Vengamma Director-cum-Vice Chancellor, SVIMS, Tirupati.	Chairperson
2.	Sri Anil Kumar Singhal, IAS Principal Secretary, Health, Medical & Family Welfare Department, Govt. of AP, Velagapudi.	Member
3.	Sri Shamsher Singh Rawat, IAS Principal Finance Secretary (PFS), Finance Department, Govt. of AP, Velagapudi.	Member
4.	Dr. K.S. Jawahar Reddy, IAS Executive Officer, TTD, Tirupati	Member
5.	Dr K.V. Sreedhar Babu, Registrar, SVIMS	Secretary

4.0 The Academic Senate

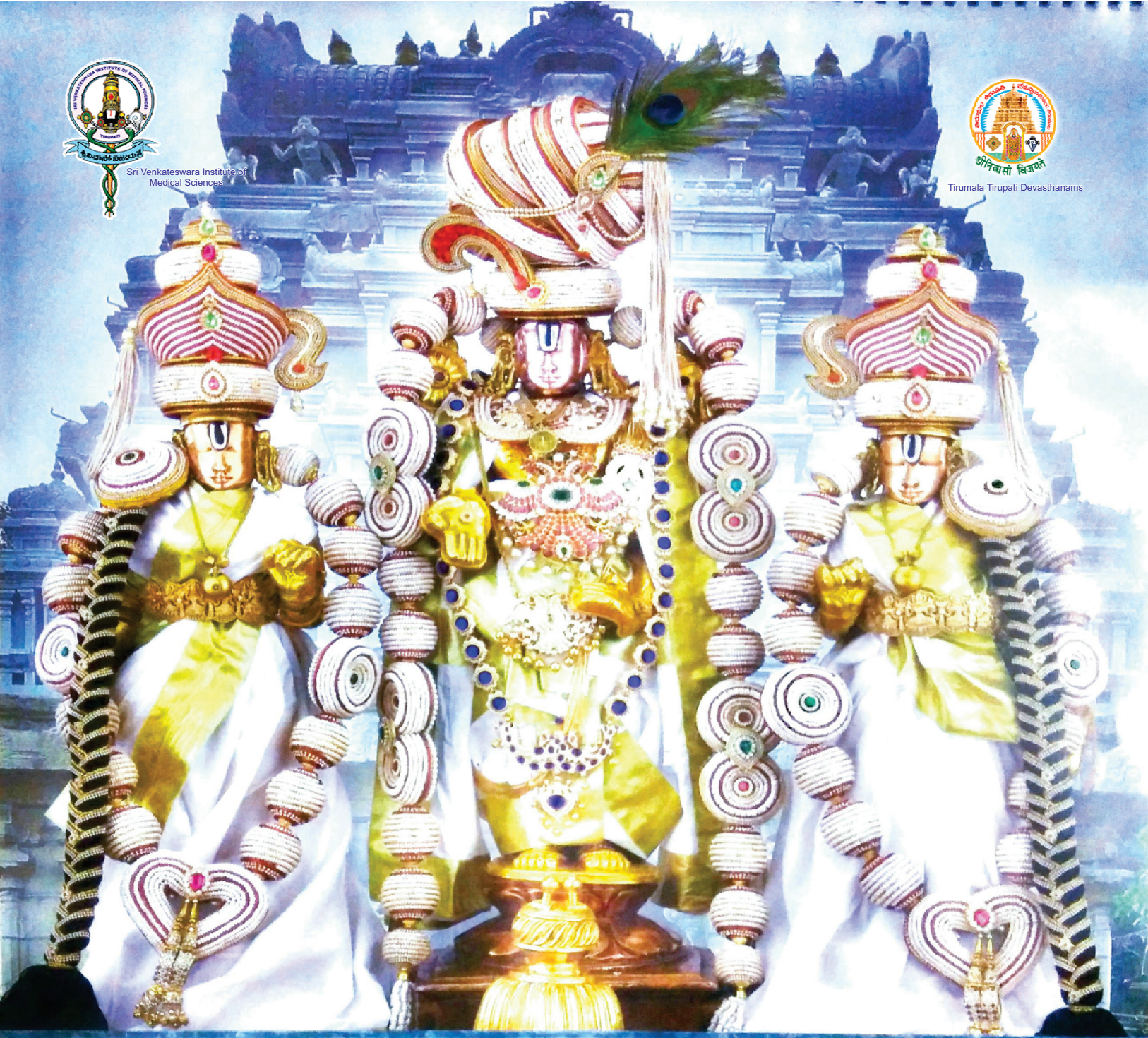
1.	Dr B.Vengamma, Director Cum Vice Chancellor, SVIMS	Chairperson
2.	The Director of Medical Education, Govt. of A.P., Vijayawada	Member, Ex-officio
3.	The Vice Chancellor, Dr.NTRUHS, Vijayawada Hon. Consultant	External Member-
4.	The Principal, SVMC, Tirupati Hon. Consultant	External Member-
5.	Dr B. Sidhartha Kumar, Dean, SVIMS	Member-Secretary
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



Sri Venkateswara Institute of
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Tirumala Tirupati Devasthanams



X ADMINISTRATIVE SET-UP



X ADMINISTRATIVE SET-UP

1.0 Head of the departments

S.No	Department	Name of the HOD
1.	Anaesthesiology	Dr Aloka Samantaray
2.	Anatomy	Dr C.Sreekanth
3.	Biochemistry	Dr Aparna R Bitla
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. Nagaraj
9.	Dental Surgery	Dr D.S. Madhu Babu
10.	Dermatology	Dr T.Ram Sharan
11.	Emergency Medicine	Dr R. Ram i/c
12.	Endocrinology	Dr Alok Sachan
13.	Forensic Medicine	Dr K.Bhaskar Reddy
14.	General Surgery	Dr Y.Mutheeswaraiiah
15.	Haematology	Dr C.Chandrasekhar
16.	Transfusion Medicine	Dr K.V. Sreedhar Babu
17.	Medical Oncology	Dr D Bhargavi
18.	Medicine	Dr Alladi Mohan
19.	Microbiology	Dr K.V. Sreedhar Babu 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 i/c
25.	Ophthalmology	Dr P. Prabhanjankumar i/c
26.	ENT	Dr S.B.Amarnath i/c
27.	Paediatrics	Dr Punith Patak Nagaram i/c
28.	Pathology	Dr N. Rukmangadha
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
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	- Smt J. Usha Rani
Dy. Registrar (S)	- Dr M. Yerrama Reddy
Dy. Director (Gen. Maintenance)	- Smt M.Prasanna Lakshmi
Asst. Director (Establishment) - I	- Sri G.Suresh Kumar
Asst. Director (Stores)	- Sri L. Sateesh
Asst. Director (O/o Director)	- Sri D.Anand Babu
CMRO (Billing i/c)	- Dr K.Vivekanand
Asst. Director (Establishment) -II	- Smt G.P.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 B. Siddhartha Kumar
Registrar	- Dr K.V.Sreedhar Babu
Principal, SVIMS SPMC(W)	- Dr Sharan B.Singh M.
Controller of Exams i/c	- Dr V. Suresh
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.Bhagyashree
Librarian	- Dr A. Omkar Murthy

4.0 Hospital Administration

Medical Supdt.	- Dr R. Ram
RMO – I	- Dr K.V.Koti Reddy
Chief MEDCO–Dr. YSR Arogyashree	- Dr A.Lokeswara Reddy
Chief Dietician	- Smt M. Sunitha Devi
Asst. Director (Nursing)	- Smt T.Prabhavathi
Asst. Director (MRD)	- Smt N.Sireesha
Medico Social Worker	- Sri N.V.S. Prasad
Medical Record Officer	- Smt G.Sireesha
Medical Record Officer	- Sri N.S.R. Murali Krishna

5.0 Technical administration

Civil Engineering	- Sri G.V. Krishna Reddy, E.E, TTD
Elec. Engineering	- Sri G.Hari Babu, A.E, TTD
M.C.P.O	- Sri V.Sudarshan
Biomedical Engg.	- Sri E.Doraiswamy





Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



XI. SVIMS NEWS





TIRUMALA TIRUPATI DEVASTHANAMS SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES (SVIMS) TIRUPATI



SVIMS RELATED NEWS IN MEDIA Department of Public Relations

SVIMS tops in fight against corona

- Sri Padmavathi state Covid hospital achieves 87 per cent recovery rate
- By September-end, 5,111 patients take admission in the hospital of which 3,407 are critical patients
- Monitoring and counselling have been improved and getting positive feedback; says the Director
- VRDL in SVIMS has so far conducted 2.27 lakh Covid tests

V PRADEEP KUMAR

Tirupati: Undeterred by the criticism on the services being extended to Covid patients in Sri Padmavathi state Covid hospital attached to SVIMS, the doctors and other staff have been working relentlessly to provide best possible care to virus infected persons. With the increase in Covid cases, the death toll has also increased and recorded even more than 10 deaths per day on many occasions during August and September.

With this, the services at the hospital were criticised by many and a negative publicity had gone viral which has made several patients to think twice before taking admission there. However, the number of admissions has never come down with 65-75 patients from Chittoor and surrounding districts were admitted in this hos-



pital daily when the cases were in their peak. Now, with a slight drop in cases, the admissions also dipped to around 55-60 per day now. Director-cum-Vice-Chancellor of SVIMS Dr B Vengamma underlined that out of 3,407 patients under critical condition took admission among whom the recovery rate was 87 per cent. "Being a state Covid hospital, critical cases and aged people come to us for admission. Many patients have come when the situation deteriorated. If we take the statistics, several patients have died 1-2 days and even within one hour and half an hour of admission. Still we need to admit them and make our efforts," she explained.

Speaking to The Hans India, she

said several steps were taken to improve monitoring of patient services and made accountability for each and everything. CC cameras were installed everywhere and started taking feedback from every patient and 95 per cent positive patient back. Counselling sessions were also being conducted daily and concerned doctors have been informing the patient relatives about the condition daily between 12-4 pm. Things are much better now, she opined.

To a question, she said though there was no shortage of doctors, they were in dire need of nursing staff as some of them have joined government service recently. Efforts were on to recruit them on outsourcing basis, she added.

From March 21 to September 30, a total of 5,111 Covid patients were admitted in the hospital of which 4,060 have been discharged after they were cured completely. In September alone, out of 1,504 patients, 1,369 were cured. The hospital has procured Rs 2.21 crore worth of Remdesivir injections and Rs 5.40 lakh worth of Tocilizumab injections.

Meanwhile, the Virus Research and Diagnostic Laboratory (VRDL) in SVIMS was the first lab recognised in the state to conduct RT-PCR tests to test Covid cases. It has conducted 2.27 lakh tests so far in which 29,925 were tested positive. In September alone, 56,348 Covid tests were conducted in which 9,896 people got positive.

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ಸಾಂಪರ್ಲೆಲ್ ಸ್ಕ್ರೈಮ್ ಕೆವಿತ್ ವೈದ್ಯಕಿಜರಂ

మంతులెదమన్న పిల్లమిది 27 తిరు
వతి స్వీప్తి తమవల్లె తల్లివల్లెలో
గురువారం మంతులెదెదమన్న
మందులు పోవచ్చి గ్రామంబాదమ
కిందులో తల్లి మేమక్క గిరిజ
తల్లివల్లె పుట్టి మహారాంబో తలో
స్వస్తి తివర వైద్యశిరం పిర్యపాం
దాడు ఈవీరంలో రోగులు గుం
పించువిన వ్యాధులు పుట్టెలు పిర్య
పాందరం ఈవీరం, రత్నపట్నం, టి.డి.
పూర్తి పుట్టెలు తివరంగా పిర్యపాం
దాడు ఆనంతరం వ్యాధి నిర్మూల జరి
గిన వారికి తివరంగా మందులు
అందరేరారు. ఈ శివరం
421 మందికి వైద్యపట్నం పిర్యపాం
దాడు, అందులో ముగ్గురు కష్టం
తల్లి నిమిత్తం పిల్లపూకు రెపర
రేరారు. ఈ శివరంలో పిల్లపూ
వైద్యులు దాగ్గరి వైద్యం, దాగ్గరి సునీ



అంబులో పైమీ ఉచిత వైద్యశివరంగం
చిక్కలు లందిచ్చున్న వైద్యులు

కుమార్, డాక్టర్ అనన్య, డాక్టర్ మాను, స్పీమ్ ప్రెస్టేజియరీం కో-ఆపరేటివ్ సుందరరాణ్, ఆలోగ్యుక్తి ప్రెస్టేజియరీం డీమీర్ జావాన్, ఎస్ఎంబి, ఆకా వర్మ, గ్రామ సచివాలయ హెల్త్ సెక్టర్ టీచర్లు, స్టాఫ్ నాయకులు విప్లవకూర్ రెడ్డి, ఉదయ్, విజ్ఞానందరెడ్డి, స్పీమ్ సిబ్బంది తదితరులు పాల్గొన్నారు.



ఉచిత వైద్యశిబిరానికి
ఐశేష్ స్పందన

విశాలాంధ్ర - నగరి : మండలంలోని ముడిపల్లి వెంగన్న కండ్ల గ్రామంలో నిర్వహించిన వైఎస్సార్ ఆరోగ్యకే ఉచిత వైద్య శిబిరానికి విశేష స్పందన లభించింది. 320 మంది రోగులు వైద్యశిబిరంలో పాల్గొని వైద్యసేవలు అందుకున్నారు. వీరిలో ఎదుగుని ఉన్నత వైద్య చికిత్స నిమిత్తం స్పెషియల్ రిఫర్ చేశారు. ఎమ్మెల్యే ఆర్పేరిజా నహకారంత్ నిర్వహించిన ఈ ఉచిత వైద్యశిబిరాన్ని ఆమె సోదరుడు వైఎస్సార్ సీమ నాయకులు కుమారస్వామి రెడ్డి వ్యవహరించి మందులు ఉచితంగా పంపిణీ చేశారు. స్పెషియల్ రిఫర్ చేయబడిన రోగులకు ఉచితంగా వైద్యపరీక్షలతో పాటు, అవసరమైన వారికి శస్త్రచికిత్సలు నిర్వహిస్తామని వైద్యులు తెలిపారు. ఈ కార్యక్రమంలో వైద్యులు పర్వ, మోహనప్రయ, ఆశిష కుమార్, అనిల్, వైఎస్సార్ ఆరోగ్యకే డివిజనల్ డి. లీడర్ మురళి, ఆరోగ్యమిత్ర సుమతి, స్పెషియల్ పిఆర్ విభాగం సిబ్బంది సుందరాబా, స్థానిక నాయకులు కె.ప్రకాష్, వినోద కుమార్, గోవిందయ్య, చుక్కబుగ్గెడ్డి, దేశిరెడ్డి కృష్ణయ్య, మునిరత్నం పాల్గొన్నారు.



ఉచిత వైద్య శిబిరం విజయవంతం

ప్రజాశక్తి - తిరుపతిసిటి

స్వీమ్మి ఆదవ్వర్యంలో నిర్వహించిన డాక్టరు వైఎస్ఆర్ ఆరోగ్యశ్రీ ఉచిత వైద్య శిబిరం విజయవంతమైందని డైరెక్టరు డాక్టరు బి.వెంగమ్మ గురువారం ఒక ప్రకటనలో తెలిపారు. నగరి రూరల్ మండలం వెంగన్న కండ్రిగ గ్రామంలో జరిగిన కార్యక్రమంలో సుమారు 320 మంది రోగులకు ఉచితంగా వైద్య పరీక్షలు నిర్వహించామని, వారి 7 మందిని మెరుగైన వైద్యం కోసం స్వీమ్మి చేశామన్నారు. ఇందుకు సహకరించిన వైద్యులు తదితరులకు కృతజ్ఞతలు తెలిపారు.

SVIMS NEWS



A.P. Deputy Chief Minister Sri Alla Kali Krishna Srinivas garu visited and inspected SVIMS – Sri Padmavathi State COVID Hospital



TUDA Chairman and Chandragiri MLA Chevireddy Bhaskar Reddy Garu SVIMS – Sri Padmavathi State COVID Hospital



SVIMS NEWS







మానవసేవే మాధవసేవ

SVIMS A COMMITMENT TO PROGRESS

