

ANNUAL REPORT

2021



SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES

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

Website: <https://svims.tpt.ap.nic.in>

TIRUMALA TIRUPATI DEVASTHANAMS



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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 సమస్కరించుచున్నాను.

गुरोरधीताखिलवैद्यविद्यः पीयूषपाणिः कुशलः क्रियासु।

गतस्पृहो धैर्यधरः कृपालुः शुद्धोधिकारी भिषगीदृशः स्यात् ॥ (సుభాషితసుధాస్రభాణ్డాగారే)

గురోరధీతాఖిలవైద్య విద్యః పీయూషపాణిః కుశలః క్రియాసుః

గతస్పృహో ధైర్యధరః కృపాళుః శుద్ధోధికారి భిషగీదృశః స్యాత్ ॥ (సుభాషితసుధారత్నభాణ్డాగారే)

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

शरीरं जङ्घरीभूते व्याधिग्रस्ते कलेबरे।

औषधं जाह्नवी तोयं वैद्यो नारायणो हरिः ॥ (సుభాషితరత్నభాణ్డాగారే)

శరీరే జఙ్ఘరీభూతే 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॥ (చరకసंहిత-అధ్యాయ-2, పాద:-2, శ్లోకౌ-7,8)

దీర్ఘమాయుః స్మృతిం మేధామ్ ఆరోగ్యం తరుణం వయః ।

ప్రభావర్ణస్వరౌదార్యం దేహేంద్రియబలం పరమ్ ॥

వాక్సిద్ధిం ప్రణతిం కాన్తిం లభతే నా రసాయనాత్ ॥ (చరకసంహితా-అధ్యాయ-2, పాద:-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 2021. I would like to thank every one of you 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 that has 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.

In 2021 SVIMS has taken rapid strides in academic activities starting new postgraduate broad specialty courses and securing seat increase is broad and super-specialty courses. The institute's faculty have secured extramural research grants from national and international funding agencies.

I would also like to thank NABH cell and all staff for their immense efforts in getting NABH accreditation. 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**

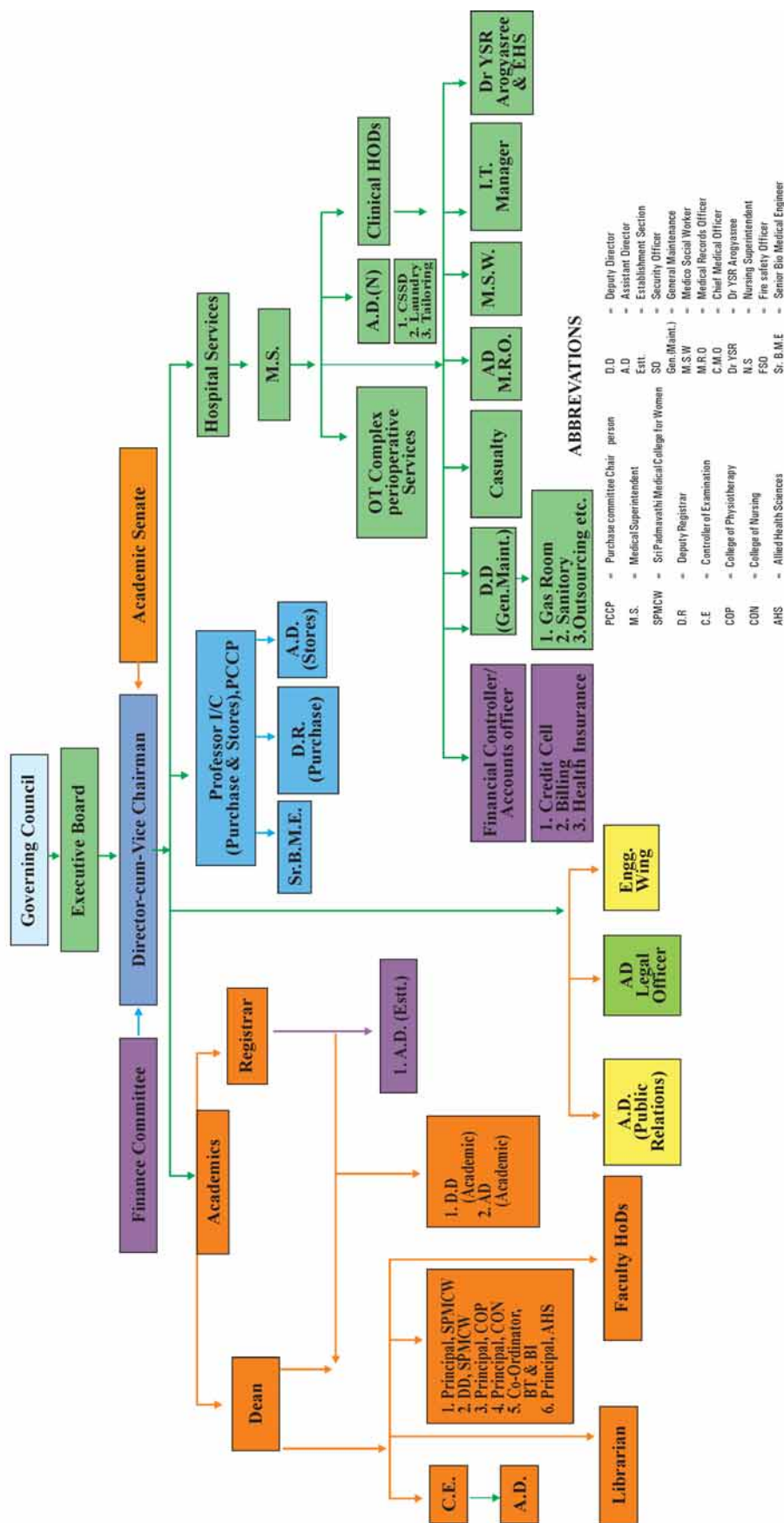
Objectives of the Institute

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, Postgraduate 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 an Act of 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 2021 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 38 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 National Medical Commission (Previously MCI) granted permission and later recognition to start MBBS & MD, DM/M.Ch. courses in various specialties.

At present, the institute is offering 79 academic programs. The total students strength is around 2000 (Admissions delayed due to COVID 19).

1.1 Courses offered

| Faculty | Courses | No. of seats | Duration (Yrs) |
|-----------------|--------------------------------|--------------|----------------|
| Modern Medicine | MBBS | 175 | 5 ½ |
| | Broad-specialties | | |
| | MD- Medicine | 09 | 3 |
| | MD- Pathology | 03 | |
| | MD- Biochemistry | 01 | |
| | MD- Microbiology | 01 | |
| | MD- Anaesthesiology | 09 | |
| | MD- Transfusion Medicine | 01 | |
| | MD- Radiotherapy | 03 | |
| | MD- Radio diagnosis | 07 | |
| | MD- Nuclear Medicine | 04 | |
| | MD- Emergency Medicine | 02 | |
| | MD- Anatomy | 01 | |
| | MD- Pharmacology | 02 | |
| | MD- Community Medicine | 02 | |
| | MD- Physiology | 01 | |
| | MS - General Surgery | 04 | |
| | Super-specialties | | |
| | DM- Cardiology | 04 | 3 |
| | DM- Nephrology | 04 | |
| | DM- Endocrinology | 02 | |
| | DM- Medical Oncology | 02 | |
| | DM- Neurology | 03 | |
| | MCh- Cardiothoracic Surgery | 04 | |
| | MCh- Neurosurgery | 03 | |
| | MCh- Urology | 04 | |
| | MCh- Surgical Oncology | 02 | |
| | MCh- Surgical Gastroenterology | 04 | |

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| Faculty | Courses | No. of seats | Duration (Yrs) |
|-------------------------------|---|--|---------------------------|
| | Fellowship Certificate Courses - Surgical Gastroenterology - Cardiac Anaesthesia - Neuro Anaesthesia - Critical Care - Nephrology - CT Surgery - Head and Neck Oncology - Hospital infection Prevention and Control | 03 02 02 02 02 02 01 02 | 1 |
| | N.C. Gupta Pulmonary Fellow | 01 | 6 months |
| | Certificate Courses for Medical Graduates - Emergency Medicine - Basics of Dialysis Management | 04 02 | 1 |
| Ph.D | Ph.D Programmes 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 - Cardiac Intensive Care and Catheterization Laboratory Nursing - Cardiothoracic Surgery - Peritoneal Dialysis - Hemo Dialysis - Renal Transplantation | 110 33 06 06 02 02 02 | 4 2 1 |
| Physiotherapy | BPT MPT | 55 27 | 4 ½ 2 |
| Allied Health Sciences | BSc Paramedical - Medical Laboratory Technology (MLT) - Anaesthesiology Technology(AT) - Neurophysiology Technology (NPT) - Radiography & Imaging Technology (RIT) - Dialysis Technology (DT) - Nuclear Medicine Technology (NMT) - ECG & Cardiovascular Technology (CVT) - Cardiac Pulmonary Perfusion Technology(CPPT) - Emergency Medical Services Technology (EMST) - Radiotherapy Technology (RT) | 22 13 05 10 13 02 09 02 04 04 | |
| | PG Degree (MSc) - Echocardiography - Cardiac Catheterization Intervention Technology - Dialysis Technology Cardiac Pulmonary Perfusion Technology PG Diploma - Medical Records Science | 01 01 02 09 | 2 |
| Life Sciences | MSc - Biotechnology - Bioinformatics | 17 17 | 2 |

1.2 SVIMS, Sri Padmavathi Medical College for Women



SVIMS-Sri Padmavathi Medical College for Women was started in the year 2014 with intake of 150 students each year and now the college is in the 8th year with an intake of 175 students from the academic year of 2019-20 onwards, 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 and 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 Sri N. Kiran Kumar Reddy 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 Sri N. Chandrababu Naidu 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 of 2014-15 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. Further MBBS degrees were awarded to 2015-16 batch also.

Sri Padmavathi Medical College Hospital: Sri Padmavathi Medical College hospital built 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, Peadiatrics, Ophthalmology, E.N.T, Dermatology, Dental Surgery, TB & Chest diseases and Psychiatry are presently being run in the hospital building.

Girls Hostel: The MBBS girl's hostel was constructed with an amount of Rs.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. The APMSID is constructing one more MBBS girls hostel to facilitate another 288 students and the construction work is in progress.

College council: The college council was constituted comprising the heads of the departments, Controller of Examinations, Member from Library Committee, Deputy Director, chief warden, SPMCW hostel 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 2021 were held on the following dates with regard to the following subjects: 04.12.2022 – Internship new regulations, Anti ragging, 1st and 2nd MBBS University examinations 2022 – NMC relaxation on eligibility criteria- Introduction of OMR sheets for MCQ's – departmental issues.

Due to COVID-19 crisis and second phase of COVID-19, this year (2021) regular activities were not carried out, the theory classes were held for all the MBBS batches through online for four months and later offline classes are being conducted.

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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 HoDs of the Departments and Professors of SVIMS-SPMCW | Members |
| 3. | Dr K.V.Sreedhar Babu, Professor & Head, Dept. of Transfusion Medicine – Registrar | Member from Library Committee |
| 4 | Dr V.Vanajakshamma, Controller of Examinations | Member |
| 5 | Dr M.M.Suchitra, Professor, Dept. of Biochemistry & Chief warden, SVIMS-SPMCW | Member |
| 6 | Dr N.Adikrishnaiah, Deputy Director, SVIMS-SPMCW | Member (One official from Administration) |

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

Anti-ragging Committee members are as follows:

| S. No. | Name of the Officers Faculty | Designation | Phone/ Mobile No. |
|--------|---|--------------|----------------------------|
| 1. | Dr Sharan B Singh.M Principal, SVIMS, SPMCW deansvimsspmc@gmail.com | Chairman | 0877-2288442 9490593060 |
| 2. | Dr K. Umamaheswara Rao Prof., & Head, Dept of Pharmacology | Co-ordinator | 9849832292 |
| 3. | Dr Y.Mutheeswaraiah Vice-Principal (Clinical) SVIMS, SPMCW | Member | 9440324457 |
| 4. | Dr Aparna R. Bitla Vice-Principal (Pre-Clinical) SVIMS, SPMCW | Member | 9440723561 |
| 5. | Dr M.M.Suchitra Professor, Dept. of Bio Chemistry & Chief Warden, SPMCW | Member | 9493547668 |
| 6. | Dr K. Bhaskar Reddy Prof. & Head, Dept. of Forensic Medicine | Member | 9866197877 |
| 7. | Ms.Jyothi Pratheeka K.V. 3rd year MBBS, SVIMS-SPMCW | Member | 7901504730 |
| 8. | Ms.Bhargavi Ravi Chanchal 2nd Year MBBS, SVIMS-SPMCW | Member | 9717446870 |
| 9. | Ms Sai Sharanya T, 2nd year MBBS, SVIMS-SPMCW | Member | 9390343241 |
| 10. | Ms.Harshita, 1st Year MBBS, SVIMS-SPMCW | Member | 7404824890 |

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 | Incharge 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, Assistant Professor of Physiology 3. Dr K. Prathibha, Assistant Professor of Anatomy | Incharge Member Member | 9849832292 7382629700 9885222970 |
| Anti ragging Cell | 1. Dr K. Nagaraj, Professor & HoD of Community Medicine 2. Dr Anju D. Ade, Associate Professor of Community Medicine 3. Dr Suchithra, Associate Professor of Biochemistry | Incharge Member Member | 9441239836 9100510732 9493547665 |
| Emergency Call unit | 1. Dr Sharan B Singh.M, Principal, SVIMS, SPMCW 2. Dr Y.Mutheeswaraiah, Vice-principal (Clinical) 3. Dr Aparna R. Bitla, Vice-principal (Pre-clinical) | Incharge Member Member | 9490593060 9440324457 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 Ramakrishna, Asst..Prof, Dept. of Pathology |
| Clinical Medicine & Allied specialties | Dr Alladi Mohan, Professor & HOD, Dept. of Medicine |
| Clinical surgery & Allied specialties | Dr Y.Mutheeswaraiyah, Professor & HOD, Dept. of General Surgery |
| MEU Secretary | Dr B.Srihari Rao, Prof. Dept. of General Surgery |

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

Medical Education Unit (MEU):

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

| Sl.No | Name of the Officers/Faculty | Designation |
|-------|---|--------------------|
| 1. | Dr B.Vengamma, Director Cum VC | Advisor |
| 2. | Dr Alladi Mohan, Dean | Advisor & Convener |
| 3. | Dr Sharan B Singh.M, Principal, SVIMS-SPMCW | Chairman |
| 4. | Dr B.Srihari Rao, Professor of General Surgery | Co-ordinator |
| 5. | Dr K.Nagaraj, Prof.&HoD of Community Medicine | Advisor |
| 6. | Dr K.Umamaheswara Rao, Prof. & HoD, Pharmacology | Member |
| 7. | Dr Suchitra, Professor of Bio-Chemistry | Member |

| | | |
|-----|--|--------|
| 8. | Dr Sharvani, Assoc. Professor of Physiology | Member |
| 9. | Dr R.Arun, Assoc. Professor of IHBT | Member |
| 10. | Dr Sivanandh, Assoc.. Prof of Psychiatry | Member |
| 11. | Dr Arpana Bhide, Assoc. Prof. of Physiology | Member |
| 12. | Dr D.S.Sujith Kumar, Assoc. Prof. of Community Medicine | Member |

The Medical Education Unit activities for the year 2021 are as follows:

1. The Medical Education Unit (MEU) organized Revised Basic Course Workshop (RBCW) for 3 days from 29th September to 1st October, 2021.
2. Orientation programme for 2016-17 batch of 5th & 6th batch internees was held on 26.05.2021 and 11.10.2021 through online, due to COVID.
3. To incorporate the new CBME based curriculum, 2nd Board of studies for 2nd MBBS was held on 22.02.2021.

Students Awards and achievements:

1. Ms. Bommadi Bhavya, (batch 2017-18) has won Most Interactive Delegate Award during the International conference on Metabolic Disease SWASTHYACON 2021 held from 5th to 10th January 2021.
2. Ms. Putta Yuktha (batch 2017-18) won first place in 'HEAR ME OUT' - online pre conference contest at ETHOS 2021 – International bioethics and Medical Research Conference held virtually from 12th November to 16th November 2021.
3. Ms. Yuvakeerthana, (batch 2017-18) won first prize in elocution competition organized by Dr Sharvani, Associate Professor, Dept. of Physiology, SVIMS-SPMCW.

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MBBS admissions during the Academic Year 2021-22:

The admissions for the MBBS course for the academic year 2021-22 have started in February 2022 only. Further, the tuition fee for the NRI category was increased to Rs.36,00,000 or equivalent to US dollars from the present US \$20,000 in respect of the students to be admitted for the academic year 2021-22 onwards as per G.O. Ms.Nos.129, HM & FW(C1) Dept., dt. 3.09.2021 & 146 HM & FW (C1) Dept. dt 5.11.2020.

Scholarships:

The eligible MBBS 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 2021, an amount of 1,00,18,700/- was released to the beneficiaries as detailed below:

| S. No. | Student Category | No. of students benefited | Amount sanctioned |
|--------|------------------|---------------------------|----------------------|
| 01. | SC | 28 | 7,72,800/- |
| 02. | ST | 9 | 3,69,600/- |
| 03. | BC | 59 | 16,96,800/- |
| 04. | EBC | 75 | 41,89,100/- |
| 05. | KAPU | 45 | 27,21,600/- |
| 06. | Minority | 14 | 2,68,800/- |
| | Total | 230 | 1,00,18,700/- |

For the year 2020-21, the Government fixed the ceiling limit of the annual parental income at Rs.2,50,000/- for SC, ST, BC, EBC, KAPU & Minority categories to become eligible to apply for scholarship. 30% - 40% of the students admitted have submitted their applications online to the respective welfare authorities for sanction of scholarship.

Stipend paid to Internees: MBBS students after completion of their MBBS course had to undergo compulsory internship for one year period. During the calendar year 2021, an amount of Rs. 2,84,50,141 /- 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 110 and MSc (N) is 33 in each academic year including EWS.

1.4 College of Physiotherapy

The College of Physiotherapy was established in the year 1998. The college offers graduate and postgraduate courses in physiotherapy. The intake of students in BPT is 55 and MPT is 27 in each academic year including EWS. 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 17 in each academic year including EWS.

ii) Bioinformatics

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



1.6 Permission and recognition for the courses by National Medical Commission (NMC)

MCI inspections were held for the following academic programmes:

| S.No. | Name of the course | Purpose | Date | Result |
|-------|------------------------|---|------------|-----------|
| 1. | MD- Anatomy | Permission for 01 (one) seat | 18.03.2021 | Permitted |
| 2. | MD- Community Medicine | Permission for 02 (two) seats | 22.03.2021 | Permitted |
| 3. | MD- Physiology | Permission for 01 (one) seat | 23.03.2021 | Permitted |
| 4. | MD- Pharmacology | Permission for 02 (two) seats | 24.03.2021 | Permitted |
| 5. | DM- Nephrology | Increase of seats from 02 (two) to 04 (four) | 07.07.2021 | Permitted |
| 6. | MD-Pathology | Increase of seats from 02 (two) to 03 (three) | 03.08.2021 | Permitted |
| 7. | MCh-Surgical GE | Increase of seats from 01 (one) to 04 (four) | 08.11.2021 | Permitted |

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1.7 Student enrollment for the academic year 2021-22

Admission procedure

MBBS course: The 8th batch (2021-22) admissions for 175 students is under process:

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): There are 48 seats in 15 broad specialities and admissions are under process for 50% of

seats through All India quota filled by Medical Counselling Committee, DGHS, Govt. of India & 50% of seats through State quota filled by Dr NTR UHS, through NEET.

PG super speciality courses (DM/ MCh): There are 27 seats in 10 specialities and admissions are made by Medical Counselling 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 by SVIMS by conducting entrance exam for PG and above courses and as per the rank achieved in AP EAPCET for UG courses. The University received 2673 applications for various courses and admissions are under process.

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 | Fellowship Certificate courses | 16 | 1 | - | - | 1 | - | - | 1 | - | - | - | - | - | 2 | 1 | 3 |
| | Surgical GE | 03 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | 2 | - | 2 |
| | Cardiac Anaesthesia | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Neuro Anaesthesia | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Critical Care | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Nephrology | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | CT Surgery | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Head & Neck Oncology | 01 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 |
| | Hospital Infection Prevention and Control | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | N.C Gupta Pulmonary Fellow | 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | Certificate course for Medical graduates | 06 | 1 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 3 | 5 |
| | Emergency Medicine | 04 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 |
| | Basics of Dialysis Management | 02 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 |
| | Total Students: | 23 | 2 | 2 | 1 | 2 | - | - | 1 | - | - | - | - | - | 4 | 4 | 8 |

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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 | |
| 3 | PhD | 03 | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - | 2 | 1 | 03 |
| | Bioinformatics | 01 | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | 01 |
| | Physiotherapy | 02 | - | 1 | - | - | - | - | 1 | - | - | - | - | - | 1 | 1 | 02 |
| | Total students: | 03 | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - | 2 | 1 | 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 | |
| 4 | MSc (N) | 33 | - | - | - | 2 | - | 2 | - | - | - | - | - | - | - | 4 | 04 |
| 5 | MPT | 27 | 5 | 7 | 2 | 7 | - | 3 | - | - | - | - | - | 2 | 7 | 19 | 26 |
| 6 | MSc., | 40 | 1 | 2 | 3 | 3 | - | 3 | 1 | - | - | - | - | - | 5 | 8 | 13 |
| | Biotechnology | 17 | 1 | 2 | 3 | 2 | - | 1 | 1 | - | - | - | - | - | 5 | 5 | 10 |
| | Bioinformatics | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Echocardiography | 01 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 01 |
| | Cardiac Catheterization Intervention Technology | 01 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 | 01 |
| | Dialysis Technology | 02 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 | 01 |
| | CPPT | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | |
| 7 | Post Basic Diploma in Nursing | 09 | - | 2 | - | 1 | - | - | - | - | - | - | - | - | - | 3 | 03 |
| | Cardiac Intensive Care & Catheterization Laboratory | 06 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 01 |
| | Cardiothoracic surgery | 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Peritoneal Dialysis | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Hemo Dialysis | 02 | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 02 |
| | Renal Transplantation | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | CPPT | 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | |
| 8 | PG Dip. in Medical Records Science | 09 | - | - | 1 | - | 3 | - | - | - | - | - | - | - | 4 | - | 04 |
| | Total Students: | 127 | 6 | 11 | 6 | 13 | 3 | 8 | 1 | - | - | - | - | 2 | 16 | 34 | 50 |
| | Grand total (1.7.1 + 1.7.2 + 1.7.3) | 153 | 8 | 14 | 8 | 15 | 3 | 8 | 3 | - | - | - | - | 2 | 22 | 39 | 61 |

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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 2020-21, an amount of 2,07,61,723/- was released to the beneficiaries as detailed below:

| S. No. | Student Category | No. of students benefited | Amount sanctioned () |
|--------|------------------|---------------------------|-----------------------|
| 01. | SC | 168 | 64,95,895.00 |
| 02. | ST | 56 | 3,11,751.00 |
| 03. | BC | 310 | 1,08,70,531.00 |
| 04. | EBC | 87 | 5,97,149.00 |
| 05. | KAPU | 49 | 3,32,922.00 |
| 06. | Minority | 66 | 21,53,475.00 |
| | TOTAL | 736 | 2,07,61,723.00 |

For the year 2020-21, 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.

The University provides hostel facility for boys, girls and resident doctors. The accommodation available and occupied for the year 2021 is furnished below:

| S. No. | Name of the Hostel Block | No. of Rooms | |
|--------|--|---------------------|---------------------|
| | | Total | Allotted |
| 1. | P.G. Doctors Hostel – I | 42 | 29 |
| 2. | P.G. Doctors Hostel – II | 89 | 80 |
| 3. | Boys Hostel | 47 | 47 |
| 4. | Girls Hostel – I (BIRRD) | 26 | 26 |
| 5. | Girls Hostel – II | 55 | 55 |
| 6. | Girls Hostel (New) – III | 70+1 (dormitory) | 70+1 (dormitory) |
| 7. | Girls Hostel (New) – III for MBBS students | 56 | 56 |
| 8. | SPMC (W) Hostel | 144 | 144 |
| 9. | Vedic Hostel (1st year MBBS Students) | 49 | 49 |
| | 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 2021 is furnished below:

| S. No. | Name of the Hostel Block | No. of Rooms | |
|--------|---|--------------|------------|
| | | Total | Allotted |
| 1 | Faculty Quarters (Blocks – I,II,III) | 18 | 18 |
| 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 | 01 | 01 |
| 6 | Nursing/ Non-Teaching staff Quarters(SVIMS) (3 blocks of 12 each) | 36 | 36 |
| 7 | Nursing/ Non-Teaching staff Quarters(BIRRD) (2 blocks) | 06 | 06 |
| | Total: | 105 | 105 |

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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 2020-21 academic year, the University organized 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 organized for the academic year 2020-21 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 to Mar, 2021 | April to Dec, 2021 | Jan to Mar, 2021 | April to Dec, 2021 | Jan to Mar, 2021 | April to Dec, 2021 |
| Medical PG Courses: | | | | | | |
| D.M./M.Ch | - | 23 | - | 22 | - | 95.65 |
| M.D. | - | 38 | - | 38 | - | 100 |
| Medical UG Courses | | | | | | |
| 3rd MBBS (Final) Part – II | 144 | 07 | 136 | 07 | 94.44 | 100 |
| Post Graduate Course: (MPT, M.Sc. Nursing, M.Sc. AHS, M.Sc. Life Sciences) | | | | | | |
| Master of Physiotherapy | - | 17 | - | 16 | - | 94.11 |
| M.Sc. Nursing | - | 22 | - | 22 | - | 100 |
| M.Sc. Medical | - | 08 | - | 08 | - | 100 |
| M.Sc. Biotechnology & Bioinformatics | 1 | 26 | 1 | 24 | 100 | 92.30 |
| M.Sc. AHS | - | 02 | - | 02 | - | 100 |
| Under Graduate Courses: (BPT, B.Sc. Nursing, B.Sc. AHS) | | | | | | |
| Bachelor of Physiotherapy | - | 47 | - | 47 | - | 100 |
| B.Sc. Nursing | - | 87 | - | 87 | - | 100 |
| B.Sc. Paramedical Technical courses | - | 55 | - | 55 | - | 100 |
| P.G.Diploma/Diploma/Certificate courses: | | | | | | |
| P.G. Diploma in Technical courses | - | 05 | - | 05 | - | 100 |
| Post Basic Diploma in nursing | - | 14 | - | 14 | - | 100 |
| Diploma in Radiotherapy Technology | - | 04 | - | 04 | - | 100 |

2.2 Best outgoing students (2020-21)

| Course Name | Name of the student |
|-----------------|---|
| D.M. | Dr Naga Alekhya B, D.M. Nephrology |
| M.Ch. | Dr Goutham Krishna Reddy Mallipatal, M.Ch. Genito Urinary Surgery |
| M.D. (over all) | Dr Penubala Shalini Devi, M.D. Radio-diagnosis |
| M.D. Medicine | Dr Mounika Gopalani |
| M.B.B.S. | Ms. Thanikanti Muni Sai Sravya |
| M.Sc. Nursing | Ms. P. Gowri Devi |

| Course Name | Name of the student |
|--|---|
| Master of Physiotherapy | Mr. M. Govindu Naik & Ms. P.V. Madhavi |
| M.Sc. Medical | Ms. K. Naresh Kumar, M.Sc. Medical Biochemistry |
| M.Sc. Biotechnology | Mr. S.Lokesh Sai Kishore |
| M.Sc. Bioinformatics | Ms. M.Geervani |
| B.Sc. Nursing | Ms. Abburi Rajasulochana |
| Bachelor of Physiotherapy | Ms. S.Seema |
| B.Sc. Paramedical Technical courses | Ms. M.Leelavathi, B.Sc. Neurophysiology Technology |

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

2.4 Entrance Examinations held 2021

| S. No | Name of the course | Date of Examination | No. of candidates appeared |
|-------|---|---------------------|----------------------------|
| 1 | Ph.D. Programme | 08.01.2022 | 11 |
| 2 | M.Sc. Nursing | 22.12.2021 | 14 |
| 3 | Master of Physiotherapy | 29.12.2021 | 50 |
| 4 | M.Sc./P.G. Diploma in Paramedical Courses | 29.12.2021 | 27 |

3.0 Enhanced services at SVIMS

3.1. 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 counseling. 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 2021, 8 camps have been organized and screened 572 patients.



SVIMS organized Cancer Awareness programme and PINK BUS Cancer Screening camp at Nagari Town of Chittoor district for Municipal Health Care workers on 04.02.2021. Nagari MLA Smt. R.K.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. On this occasion SVIMS Director cum Vice Chancellor Dr B.Vengamma given awareness about Cancer.

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SVIMS organized PINK BUS Cancer Screening camp at Puttur Mandal, Chittoor District for Women in Police families. Dr B.Vengamma, Director-cum-VC and Puttur Sub Divisional Police Officer Dr Yaswanth, IPS attended as a Chief Guest and inaugurated the programme



SVIMS organized PINK BUS Cancer Screening camp at Municipal Corporation Office, Tirupati for Municipal Health Care workers on 14.02.2021. Tirupati MLA Sri Bhumana Karunakar, Tirupati Municipal Commissioner Sri Girisha, IAS and SVIMS Director cum VC Dr B.Vengamma participated and jointly inaugurated the PINK BUS Cancer Screening camp. MLA and Commissioner praised the services of SVIMS Director, Doctors and staff for taking initiative to prevent cancer.



SVIMS organized PINK BUS Cancer Screening camp at Mudupula Vemula Village, Pileru Mandal on 28.02.2021. Oleti Yellamma Charitable Trust and Govt. Doctors Association of Chittoor District jointly organised the general Medical Camp and PINK BUS Camps. SVIMS Director cum Vice Chancellor Dr B. Vengamma attended as a Chief Guest and inaugurated the above and felicitated the team of Doctors and staff.



SVIMS organized PINK BUS Cancer Screening camp at Chittoor Police Ground, on 07.03.2021 on the eve of International Women's Day. District Superintendent of Police Sri Senthil Kumar, IPS attended as a Chief Guest and inaugurated the programme.



SVIMS organized Cancer Awareness programme and PINK BUS Cancer Screening camp at Tirupati Urban Police AR Grounds on 08.03.2021 on the occasion of International Women's Day. On this occasion SVIMS Director cum VC Dr B.Vengamma attended as a Chief Guest on delivered lecture on awareness of cancer to the Women Police. Tirupati Urban SP Sri Venkata Appala Naidu, IPS and Smt. Kiranmayi Rao and ASP Smt. Supraja, IPS felicitated SVIMS Director Dr B.Vengamma.



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4.0 Recognitions for SVIMS contributions

4.1 Honors and key assignments

1. **NABH Accreditation:** Sri Venkateswara Institute of Medical Science has proudly added another feather into the Cap i.e. NABH Certificate of Accreditation. The accreditation shall be effective from 6th January 2022 to 5th January 2025.
2. **Dr B. Vengamma**, Director-cum-VC, **Dr R. Ram**, Medical Supdt., **Dr Aloka Samantaray**, Prof. & HoD of Anaesthesiology and Staff members received “**Appreciation Certificate**” from the District Collector **Dr Narayana Bharath Guptha**, IAS on 72nd Republic Day celebrations on 26th January 2021, for providing best services for CORONA patients through SVIMS State COVID Hospital



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3. TUDA chairman Sri Chevireddy Bhaskar Reddy felicitated SVIMS Director cum Vice Chancellor Dr B.Vengamma and other faculty of SVIMS on the occasion of closing ceremony of Sri Padmavathi Nilayam Covid care Centre, Tirupati on 29.01.2021, for providing best services for CORONA patients through SVIMS State COVID Hospital



5.0 Visitors to SVIMS

1. 1st Dosage of Covid 19 Vaccine programme organized in SVIMS Clinic. The programme was inaugurated by Chittoor District Joint Collector –I & II, DM & HO and SVIMS Director cum VC Dr B.Vengamma on 16.01.2021. The first vaccine was administered to Dr R. Ram, Medical Suptd.,



2. Govt. of A.P. Deputy Chief Minister Sri K.Narayana Swamy visited SVIMS on 19.01.2022 to enquire about health condition of former Minister Sri Reddivari Chengareddy who was admitted in SVIMS.

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3. TTD E.O. Dr. K.S. Jawahar Reddy IAS and JEO Smt. Sada Bhargavi, IAS and Chief Engineer Sri Ramesh Reddy and other TTD officials visited SVIMS on 03.03.2021 and convened a review meeting about status and developments of SVIMS.



4. TTD Chairman Sri Y.V. Subba Reddy, Chandragiri MLA Sri Chevireddy Bhaskar Reddy, TTD E.O. Dr. K.S. Jawahar Reddy, IAS and other officials visited SVIMS State COVID Hospital to enquire about TTD Vedapatashala students health status on 12.03.2021



5. Deputy Chief Minister of A.P. Sri Narayana Swamy visited SVIMS State COVID Hospital on 19.03.2021 and distributed Health Drink products to TTD Vedapatashala students on their discharge



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6. Chittoor District collector C.Harinarayan I.A.S visited SVIMS state covid hospital on 26.04.2021



7. Hon'ble Union Minister Sri G. Kishan Reddy and A.P. State Minister Sri B. Rajendranadha Reddy visited SVIMS Vaccination Centre on 19.08.2021



6.0 Activities at SVIMS

6.1 Institute day celebrations:

The 28th Anniversary day and UNIFEST celebrations of SVIMS were held on 26.02.2020. Shri. Y.V.Subba Reddy, Chairman, TTD Board of Trustees, Shri. K.S.Jawahar Reddy, EO, TTD, Shri. Prof. K.Raja Reddy, Vice-Chancellor, SV University attended as Chief Guests



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Releasing Annual Report 2020 and Akanksha 2021



*Release of “Antimicrobial Stewardship Pocket Guide”- 10th Edition by
Guest of Honor Shri. Prof. K.Raja Reddy, Vice-Chancellor, SV University.*



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 2021.

1. The 5th Srinivasa Neurosurgery Endowment Oration, was delivered by Dr K.G. Balakrishnan, former Dean & former Professor and Head, Department of Cardiology, SCTIMST, Thiruvananthapuram, on 26th October, 2021 on the topic "Touching the Brain". The oration was organized by the Dept. of Neurosurgery.



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2. The 1st Sri Simhadri Satyanarayana Rao Endowment Chair Oration was delivered by Dr E. Hemanth Raj, Professor, Department of Surgical Oncology and Executive Vice Chairman, Cancer Institute (WIA), Adyar, Chennai on 28th October, 2021 on the topic “Primary and Secondary Prevention of Cancer – Our experience”. The oration was organized by the Dept. of Surgical Oncology.



3. The 5th Annual Balaji Cardiology Endowment Chair Oration was delivered by Dr Edwin Francis, Lisie Hospital, Ernakulam, Kerala on 10th December 2021 on the topic “Bending the norms: Structural Intervention in Cardiology”. The oration was organized by the Department of Cardiology.



4. The 5th Annual Surgical Oncology Chair Oration was delivered by Dr Anil K D’cruz, Former Director & Chief of Head & Neck services, Tata Memorial Hospital, Mumbai on 20th December, 2021 on the topic “Oral Cancers – Tailoring guidelines to the Indian Context”. The oration was organized by the Dept. of Surgical Oncology.



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6.4 Academic programme calendar for the year 2022

The academic schedule proposed for the year 2022 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. |
| 01/01/22 | GE (Surgical) | Ophthalmology |
| 08/01/22 | General Surgery | Pathology |
| 22/01/22 | Haematology | Pharmacology |
| 05/02/22 | Medicine | Psychiatry |
| 12/02/22 | Microbiology | Physiology |
| 19/02/22 | Nephrology | Paediatrics |
| 05/03/22 | Neurology | Plastic surgery |
| 12/03/22 | Neurosurgery | Radio Diagnosis |
| 19/03/22 | Nuclear Medicine | Radiotherapy |
| 09/04/22 | OBG | Rheumatology |
| 16/04/22 | Oncology (Surgical) | Transfusion Medicine |
| 23/04/22 | Oncology (Medical) | TB & RD |
| 07/05/22 | Ophthalmology | Urology |
| 14/05/22 | Pathology | Anaesthesiology |
| 21/05/22 | Pharmacology | Anatomy |
| 04/06/22 | Psychiatry | Biochemistry |
| 11/06/22 | Physiology | Cardiology |
| 18/06/22 | Paediatrics | Clinical Virology |
| 02/07/22 | Plastic Surgery | CT Surgery |
| 09/07/22 | Radio Diagnosis | Community Medicine |
| 16/07/22 | Radiotherapy | Dentistry |
| 23/07/22 | Rheumatology | Dermatology |
| 06/08/22 | Transfusion Medicine | Emergency Medicine |
| 13/08/22 | TB & RD | Endocrinology |
| 20/08/22 | Urology | ENT |
| 03/09/22 | Anaesthesiology | Forensic Medicine |
| 10/09/22 | Anatomy | GE (Surgical) |
| 17/09/22 | Biochemistry | General Surgery |
| 01/10/22 | Cardiology | Haematology |
| 08/10/22 | Clinical Virology | Medicine |
| 15/10/22 | CT Surgery/General Surgery | Microbiology |

| [2] THURSDAY'S CLINICAL MEETING | | |
|---------------------------------|--|---|
| Date | Research Presentation 8: 00 to 8: 45 a.m. | Spotter Presentation 8:45 to 9:00 a.m. |
| 06/01/22 | Transfusion Medicine | Topic |
| 13/01/22 | TB & RD | Case |
| 20/01/22 | Urology | Case |
| 27/01/22 | Anaesthesiology | Debate |
| 03/02/22 | Anatomy | Topic |
| 10/02/22 | Biochemistry | Topic |
| 17/02/22 | Cardiology | Debate |
| 24/02/22 | Clinical Virology | Topic |
| 03/03/22 | CT Surgery | Case |
| 10/03/22 | Community Medicine | Topic |
| 17/03/22 | Dermatology | Case |
| 24/03/22 | Dentistry | Case |
| 31/03/22 | Emergency Medicine | Case |
| 07/04/22 | Endocrinology | Debate |
| 14/04/22 | ENT | Case |
| 21/04/22 | Forensic Medicine | Topic |
| 28/04/22 | GE (Surgical) | Debate |
| 05/05/22 | General Surgery | Case |
| 12/05/22 | Haematology | Case |
| 19/05/22 | Medicine | Debate |
| 26/05/22 | Microbiology | Topic |
| 02/06/22 | Nephrology | Case |
| 09/06/22 | Neurology | Debate |
| 16/06/22 | Neurosurgery | Case |
| 23/06/22 | Nuclear Medicine | Debate |
| 30/06/22 | OBG | Case |
| 07/07/22 | Oncology (Surgical) | Debate |
| 14/07/22 | Oncology (Medical) | Case |
| 21/07/22 | Ophthalmology | Case |
| 28/07/22 | Pathology | Debate |
| 04/08/22 | Pharmacology | Topic |

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| [1] SATURDAY'S CLINICAL MEETING | | |
|---------------------------------|--------------------|---------------------|
| 22/10/22 | Community Medicine | Nephrology |
| 05/11/22 | Dentistry | Neurology |
| 12/11/22 | Dermatology | Neurosurgery |
| 19/11/22 | Emergency Medicine | Nuclear Medicine |
| 03/12/22 | Endocrinology | OBG |
| 10/12/22 | ENT | Oncology (Surgical) |
| 17/12/22 | Forensic Medicine | Oncology (Medical) |
| 24/12/22 | GE (Surgical) | Ophthalmology |
| * | ** | ** |
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| [2] THURSDAY'S CLINICAL MEETING | | |
|---------------------------------|----------------------|--------|
| 11/08/22 | Psychiatry | Case |
| 18/08/22 | Physiology | Topic |
| 25/08/22 | Paediatrics | Case |
| 01/09/22 | Plastic Surgery | Case |
| 08/09/22 | Radio Diagnosis | Debate |
| 15/09/22 | Radiotherapy | Case |
| 22/09/22 | Rheumatology | Case |
| 29/09/22 | Transfusion Medicine | Topic |
| 06/10/22 | TB & RD | Case |
| 13/10/22 | Urology | Debate |
| 20/10/22 | Anaesthesiology | Case |
| 27/10/22 | Anatomy | Topic |
| 03/11/22 | Biochemistry | Topic |
| 10/11/22 | Cardiology | Case |
| 17/11/22 | Clinical Virology | Topic |
| 24/11/22 | CT Surgery | Case |
| 01/12/22 | Community Medicine | Case |
| 08/12/22 | Dermatology | Debate |
| 15/12/22 | Dentistry | Case |
| 22/12/22 | Emergency Medicine | Case |
| 29/12/22 | Endocrinology | Topic |

The schedule of Continuous Medical Education & Clinical Pathological Correlation (CME & CPC) Programmes by the following departments on every first & last Saturday of the mentioned month for the year 2022 is details hereunder:

| [3] CME's: First Saturday between 02: 00 & 04: 00 P.M. | |
|--|---|
| 05/02/22 | ENT, Dentistry & Ophthalmology |
| 05/03/22 | Endocrinology, Biochemistry & Pharmacology |
| 09/04/22 | Haematology ,Emergency Medicine & Transfusion Medicine |
| 07/05/22 | Microbiology, Community Medicine , Rheumatology & Clinical Virology |
| 04/06/22 | Nephrology, Urology & OBG |
| 02/07/22 | Medical Oncology, Surgical Oncology, Radiotherapy & Pathology |
| 06/08/22 | Medicine, Paediatric, TB & RD & Physiology |
| 03/09/22 | Neurology, neurosurgery, Psychiatry |
| 01/10/22 | Anaesthesiology, Cardiology & CT Surgery |
| 05/11/22 | Anatomy, Surgical Gastroenterology, General Surgery and Forensic Medicine |
| 03/12/22 | 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. | | | |
| 29/01/22 | Cardiology | 30/07/22 | Neurology |
| 26/02/22 | General surgery | 27/08/22 | Surgical Oncology |
| 26/03/22 | Medicine | 24/09/22 | Medical Oncology |
| 30/04/22 | Surgical GE | 29/10/22 | Urology |
| 28/05/22 | Endocrinology | 26/11/22 | Nephrology |
| 25/06/22 | Neurosurgery | 31/12/22 | Emergency Medicine |
| [5] QUIZ Annual Medical Quiz will be held every year in the month of February | | Organizers: Dr Mutheeswaraiah, Dr Naveen Prasad under the co-ordination of Dr AlokSachan | |

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 B. Siddhartha Kumar Dean and Prof. of Medicine | Chairman |
| 2. | Dr K.V. Sreedhara Babu Registrar | Member |
| 3. | Dr Alladi Mohan Prof. & HoD of Medicine | Member |
| 4. | Dr A.Y. Lakshmi Prof. & HoD of Radiology | Member |
| 5. | Dr K. Nagaraj, Professor & HoD of Community Medicine | Member |
| 6. | Dr Aparna R Bitla Prof. & HoD of Biochemistry | Member |
| 7. | Dr V. Suresh Controller of Examinations | Special Invitee |

| Super Specialties (DM/ MCh) | |
|---|----------|
| Dr B. Siddhartha Kumar Dean and Prof. of Medicine | 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 V. Suresh Controller of Examinations | Member |

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The meetings for the following thesis protocols of the Post graduates admitted during 2020-21 academic year for Broad speciality (S.No. 578 to 618) were held on 22nd & 23rd January, 2021 and for Super speciality (S.No. 619 to 641) were held on 16th & 17th July 2021 and were cleared by the respective Committees. Details given in respective departments.

Institutional Ethics Committee (IEC)

The committee is constituted with the following members. For the year 2021, 154 proposals (S.No. 1089 to 1242) 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 Alladi Mohan | 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 R. Nandagopal | 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 | Prof. M. Hema | 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) |

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

| IEC No. | Title | Principal Investigator |
|---------|---|---|
| 1089 | Clinical profile and management of Aero-Digestive Foreign Bodies: A Retrospective study of over 25 years at the tertiary care teaching institute in South India | Dr Abha Chandra Sr. Professor & HoD C.T. Surgery |
| 1090 | Surgical Treatment of thoracic tuberculosis: experience over 25 years at a tertiary care teaching institute in Tirupati, South India | |
| 1091 | A Retrospective study of incidence of hypocalcemia following total thyroidectomy | Dr R. Ramakrishna .B Asst. Professor, General Surgery |
| 1092 | A Retrospective clinical study of gastroduodenal perforation peritonitis | Dr Narendra M.C Asst. Professor, General Surgery |
| 1100 | Cardiac myxoma: 10 years study of presentations, resection and outcome | Dr Vinod Bhan Assoc. Professor, C.T. Surgery |
| 1101 | Reasons for Hesitancy to take COVID-19 Vaccine: A survey on Health care workers | Dr G. Swetha Rao, Senior Resident, Dept. of Psychiatry SVIMS-SPMCW |
| 1165 | A study to measure professional satisfaction among doctors in a tertiary care teaching institute | |
| 1166 | A retrospective analysis on adverse events following immunization (AEFI) due to COVID vaccination in a tertiary care | Dr K. Vijaya Chandra Reddy Assoc. Professor, Dept. of Pharmacology, SVIMS-SPMCW |
| 1171 | Stress, anxiety and depression among doctors and nurses working in a tertiary care state COVID hospital in South India during COVID-19 pandemic | Dr G. Swetha Rao, Senior Resident Dept. of Psychiatry SVIMS-SPMCW |

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| IEC No. | Title | Principal Investigator |
|---------|--|--|
| 1172 | The Surgical outcome of association with histopathological findings of the chest wall lesions: A twenty five year's experience at a tertiary care teaching institution | Dr Abha Chandra Sr. Professor & HoD Dept. of C.T. Surgery, SVIMS |
| 1173 | Chronic persistent surgical pain after cardiac surgery – A prospective, observational study | Dr Aloka Samantaray Professor & HoD Dept. of Anaesthesia, SVIMS |
| 1174 | Efficacy of low dose lung radiotherapy in the management of COVID-19 patients | Dr K. Dinakar Asst. Professor, Dept. of Radiotherapy, SVIMS |
| 1175 | Impact of conducting hand hygiene audit in COVID-19 care locations of India – A large scale national multicentric study | Dr R. Jayaprada Assoc. Professor, Dept. of Microbiology, SVIMS |
| 1176 | Detection of IgG antibodies and neutralizing antibodies against SARS COVID-19 in health care workers | Dr Usha Kalawat Professor, Dept. of Clinical Virology |
| 1177 | The effect of aerosol particle PM2.5 on cultured type II pneumocytes a causative agent of chronic obstructive pulmonary disease and further treatment of these cells with curcumin and 6-gingerol | Dr PVGK Sarma Dept. of Biotechnology SVIMS, Tirupati |
| 1181 | To Study the influence of integrated physiotherapy and vedic therapy on pain, disability and quality of life in grade II osteoarthritis individuals | Dr K. Madhavi Principal and professor College of Physiotherapy |
| 1182 | Saliva as an alternative to nasopharyngeal swab for detection of COVID-19 virus using RT-PCR as diagnostic method | Dr Usha Kalawat Professor, Dept. of Clinical Virology, SVIMS |
| - | Over looked risk of chronic kidney disease after leptospiral infection | Dr R. Ram Professor & HoD Dept. of Nephrology |
| 1183 | Clinical profile and outcome following surgical repair of ventricular septal defect in patients with and without pulmonary hypertension: A retrospective study | Dr Abha Chandra Sr. Professor & HoD Dept. of C.T.Surgery, SVIMS |
| 1184 | Clinical characteristics and outcome of surgical treatment in patients with pulmonary aspergilloma: An experience of over 25 years at a tertiary care teaching institute South India | |
| 1185 | Primary reconstruction of airway following resection of tracheal stenosis/obstruction: Experience at a tertiary care teaching institute in South India | |
| 1186 | Outcome following surgical resection of mediastinal masses: Experience of over 25 years at a tertiary care teaching institute in South India | |
| 1187 | Surveillance of multidrug-resistant, extensively drug resistant and pandrug-resistant organism for the healthcare facilities using automated antimicrobial susceptibility system – A large scale national multicentric study | Dr R. Jayaprada Associate Professor Dept. of Microbiology, SVIMS |

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| IEC No. | Title | Principal Investigator |
|---------|--|--|
| 1188 | Are Covid-19 related deaths taking time? A retrospective analysis in a state Covid-19 centre at Tirupati | Dr B. Rupesh Kumar Naik Assistant Professor Dept. of Forensic Medicine SVIMS, SPMCW |
| 1189 | Psychiatric morbidity and its clinical correlates in female MBBS students during the COVID-19 second wave lock down | Dr Ganesh Kumar Mallaram Assistant Professor Dept. of Psychiatry SVIMS, SPMCW |
| 1190 | Post COVID-19 mucormycosis, perioperative anaesthetic challenges – A prospective case series from tertiary care hospital in India | Dr T. Bhargavi Asst. Professor, Dept. of Anaesthesia, SVIMS |
| 1192 | Clinical spectrum and the surgical management of Blunt and penetrating chest trauma. Experiences of over 25 years at a tertiary care teaching hospital in South India | Dr Abha Chandra Sr. Professor & HoD Dept. of C.T.Surgery |
| 1193 | Clinical and hemodynamic study of valve surgery in paediatric group :25 years experience at a tertiary care teaching hospital in South India | |
| 1194 | Clinical spectrum and outcome following intra-cardiac repair for tetralogy of fallot and its variants: Experience of over 25 years at a tertiary care institution in South India | |
| 1195 | Management of patients with solitary pulmonary nodule: An experience of over 25 years at a tertiary care teaching institute in South India | |
| 1196 | To determine the effect of delay in sample processing and the sample storage temperature on the COVID-19 RTPCR result | Dr Usha Kalawat Professor & HoD Dept. of Virology |
| 1197 | Comparison of seven IVD approved SARS-CoV2 real-time RT-PCR kits | |
| 1198 | Pan India Epidemiological, virological and Genomic Surveillance for human influenza and COVID-19 through DHR-ICMR VRDL Network | |
| 1222 | A study of Cystinosis | Dr R. Ram, Prof. & HoD of Nephrology SVIMS |
| 1223 | Clinical and Hemodynamic evaluation following surgical management of small aortic root : Experience of over 25 years at a tertiary care teaching institute in South India | Dr Abha Chandra Sr. Professor & HoD Dept. of C.T.Surgery |
| 1224 | Clinical characteristics, imaging findings and outcome of surgical treatment in patients with bronchiectasis: Experience of over 25 years at a tertiary care teaching institute in South India | |
| 1225 | Clinical profile and hemodynamic study following valve surgery in adults: Experience of over 25 years at a tertiary care teaching institute in South India | |

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| IEC No. | Title | Principal Investigator |
|---------|--|--|
| 1226 | Surgical outcome following coronary endarterectomy when combined with coronary artery bypass surgery: Experience of over 25 years at a tertiary care teaching institute in South India | |
| 1227 | Spectrum of acyanotic congenital heart disease presenting to the surgical unit at a tertiary care teaching institution in South India: Experience of over 25 years | |
| 1228 | Surveillance of scrub typhus among patients with acute encephalitis syndrome or undifferentiated febrile illness | Dr Usha Kalawat Professor, Clinical Virology Dept. of Microbiology |
| 1229 | Department of Biotechnology (DBT)- NIDAN Kendra at SVIMS, Tirupati, A.P. | Dr Alekhya M, Assistant Professor, Dept. of Pathology |
| 1230 | Role of endoplasmic reticulum stress in the pathogenesis of mucormycosis associated with COVID-19 | Dr Lakshmanna. N Asst. Professor, Dept. of Biochemistry |
| 1231 | Implementation and evaluation of self directed learning activity in Biochemistry for first year MBBS students – A pilot study | Dr Silpa .T Asst. Professor Dept. of Biochemistry |
| 1232 | Evaluation of the effectiveness of Biochemistry laboratory critical result notification protocol at tertiary care hospital | |
| 1233 | Clinical profile and management of peripheral arterial occlusive disease: Experience of over 25 years at a tertiary care teaching institute in South India | Dr Abha Chandra Sr. Professor & HoD Dept. of C.T.Surgery |
| 1234 | Utility of F-18 FDG PET/CT in evaluation of recently diagnosed locally advanced breast cancer patients for metastatic disease among obese and non-obese patients | Dr T.C. Kalawat Prof. & HoD Dept. of Nuclear Medicine |
| 1235 | Utility of F-18 PSMA PET-CT in initial staging and response evaluation of prostate cancer | |
| 1236 | Role of F-18FDG PET/CT in the diagnosis of myocardial sarcoidosis in patients with recently diagnosed extra cardiac sarcoidosis or clinically suspected cardiac sarcoidosis | |
| 1237 | Clinical presentation, management and prognosis of COVID-19 associated Rhino-orbital-cerebral mucormycosis a prospective study | Dr Prerana Anthwal Asst. Professor Dept. of ENT, SVIMS -SPMCW |

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The following are the details of protocols submitted by the students of other than SVIMS for clearance in the IEC.

| TPAC No. | Title | Submitted by | Guide | IEC No. |
|----------|---|--|-------------------------|---------|
| 1 | A prospective observational study on efficacy of Gabapentin in the treatment of low back pain | Y. Bhargav Phani T. Kusuma V. Venkata Prasad M. Yeshwanth (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr V.V. Ramesh Chandra | 1093 |
| 2 | Effect of ACE inhibitors and ARBs on the progression of disease in CKD patients | S. Gousin, M. Kushmitha K. Navya Teja Reddy D. Sai Divya, S. Vinitha (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr R. Ram | 1094 |
| 3 | A prospective study on assessment of risk factors, clinical characteristics and outcomes of acute pancreatitis in a tertiary care center | S. Abishek Mathew T. Ashwini Reddy M. Dinesh Naik T. Lasya Priya (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr V. Venkatarami Reddy | 1095 |
| 4 | Factors affecting medication adherence in rheumatoid arthritis at a tertiary care teaching hospital in South India | D. Anil R.B. Bala Murugan G. Hemanth Kumar M. Kowsalya G. Pavana Yadav (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr K. Sirisha | 1096 |
| 5 | Utilization of IV Iron and erythropoietin in dialysis patients: A prospective observational study | P. Muni Varun P. Divyapriya V. Harsha Vardhan Reddy J. YasaSwini (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr R. Ram | 1097 |
| 6 | Assessment of various risk factors associated with anti neoplastic chemotherapy induced nausea and vomiting among patients receiving concurrent chemo-radiotherapy: A prospective study | N. Dharmika M. Divya Bharathi P. Jayasree, V. Jeswitha (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr Pranabandhu Das | 1098 |

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| TPAC No. | Title | Submitted by | Guide | IEC No. |
|----------|---|---|---------------------|---------|
| 7 | Anaudit of the use of hydroxychloroquine in rheumatic diseases at a tertiary care centre in India | A. Akhila, G. Mounika P. Saraswathi C. Sasi Preetham Reddy A. Sindhuja (V-pharm-D) Sree Vidyanikethan College of Pharmacy | Dr K. Sirisha | 1099 |
| 8 | A retrospective study on risk factors of osteoporosis | S. MD Vasim T. Muni Kiran Reddy L. Nishanth, P.O.I Thendral (V-Pharm-D) Seven Hills College of Pharmacy | Dr Avinash Patil | 1102 |
| 9 | A prospective study on drug prescription pattern of chemotherapeutic agents in breast cancer patients in a tertiary care hospital | B. Khirun, R. Krishore L. Kranthi (V-Pharm-D) Seven Hills College of Pharmacy | Dr D. Bhargavi | 1103 |
| 10 | Study to evaluate the drug utilization patterns in the management of ureteral stent discomfort | S. Shabana, M. Siva S. Sushmitha, B. Suveda (V-Pharm-D) Seven Hills College of Pharmacy | Dr N. Anil Kumar | 1104 |
| 11 | A retrospective study on prescription patterns of antiplatelet – anticoagulants and role of risk factors in the treatment of peripheral vascular diseases | T. Pavan Sai, T. Rachana B. Sai Susmitha, P. Sai Tejaswini (V-Pharm-D) Seven Hills College of Pharmacy | Dr Abha Chandra | 1105 |
| 12 | Evaluation of medication non-adherence and prescription patterns among heart failure patients at a tertiary care hospital in South India | D. Lavanya, K. Madhav A. Mamatha, B. Monika (V-Pharm-D) Seven Hills College of Pharmacy | Dr V. Vanajakshamma | 1106 |
| 13 | A Study on the assessment of pain and sleep in patients undergoing hemodialysis and peritoneal dialysis | B.V.S. Chathurya, B. Dayana, L. Divya, M. Durga Prasad (V-Pharm-D) Seven Hills College of Pharmacy | Dr R. Ram | 1107 |

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| TPAC No. | Title | Submitted by | Guide | IEC No. |
|----------|---|--|------------------|---------|
| 14 | A prospective observational study to evaluate the prescribing pattern and to assess the therapeutic outcome in the management of benign prostate hyperplasia using international prostate symptom score | K. Thoshitha, K. Vamsi M.V.D.L. Madhurima R.S. Vishnu Priya (V-Pharm-D) Seven Hills College of Pharmacy | Dr N. Anil Kumar | 1108 |
| 16 | Identification of Drug Related Problems (DRPs) in prescriptions with polypharmacy: A prospective observational study | E.E. Revathi L. Jayasree S.K. Priyanka (V-pharm-D) Krishna Teja Pharmacy College | Dr V. Sameeraja | 1152 |
| 17 | A study on distribution pattern of types of anaemia amongst age, gender and its management in patients presenting to a tertiary care hospital –An observational study | D. Pravalika N. Sai Lakshmi Lahari J. Gnaneswari P.H. Vivek Vardahnan (V-pharm-D) Krishna Teja Pharmacy College | Dr V. Monolasya | 1153 |
| 18 | A study on drug utilization pattern and adherence to medication in patients diagnosed with COPD: A prospective observational study | P. Pavani P. Surya Narayanan T.R. Hemavathi (V-pharm-D) Krishna Teja Pharmacy College | Dr V. Monolasya | 1154 |
| 19 | A retrospective study on the risk factors in patients admitted with severe hypoglycemia in type 2 diabetic patients | Adonbakor. K G.B. Prathyusa M. Lokesh, P. Subhashini (V-pharm-D) Krishna Teja Pharmacy College | Dr Avinash Patil | 1155 |
| 20 | A retrospective study on clinical microbial profile and risk factor evaluation of urinary tract infection in type 2 diabetic patients | E. Naveena, V. Nithish R. Nisha, (V-pharm-D) Krishna Teja Pharmacy College | Dr Avinash Patil | 1156 |
| 21 | Assessment of fatigue in dialysis (Peritoneal and hemodialysis) and non-dialysis patients of chronic kidney disease | A. Himavarsha, B. Harshitha J. Pravillika, K.Sreevasumathi (V-pharm-D) Krishna Teja Pharmacy College | Dr R. Ram | 1157 |
| 22 | Pattern of skin diseases and quality of life of patients in tertiary care hospital | K. Yamini Krishna K.R. Sangamithra N. Jyothsna, S. Srikanth (V-pharm-D) Krishna Teja Pharmacy College | Dr A. Surekha | 1158 |

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Research Committee (RC)

The Research Committee in SVIMS was formed as per Finance Committee Resolution No.01, dated:25.06.2010 and proceedings of Director dated 23.09.2010. The Research Committee was constituted to assess the research proposals of the faculty prior to their submission to IEC. The research proposals forwarded to the funding agencies are scrutinized. The drug trials to be carried out by the faculty are also assessed periodically. The research proposals of external researchers under the supervision of a co-guide of the Institute who shall be the faculty of SVIMS, are also assessed before granting permission. For the year 2021, 24 proposals were assessed. The committee is constituted with following members and meetings were held regularly on every 4th Thursday of each month. In the year 2021 the Research Committee reframed as Medical Research Committee.

| S.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 K. Nagaraj, Prof. & HoD, Community Medicine | Scientific Expert |
| 7. | Dr A. Mohan, Prof. & HoD, Medicine | Scientific Expert |
| 8. | Dr Alok Sachan, Prof. & HoD, Endocrinology | Scientific Expert |
| 9. | Dr H. Narendra, Prof. & HoD, Surgical Oncology | Scientific Expert |
| 10. | Dr K.V. S. Sarma, Consultant, Biostatistics & Research | Scientific Expert |
| 11. | Dr Usha Kalawat, Professor, Clinical Virology | Scientific Expert |
| 12. | Dr A. Umamaheswari, HoD, Bioinformatics | Scientific Expert |
| 13. | Dr PVGK Sarma, HoD, Biotechnology | Scientific Expert |
| 14. | Principal, College of Physiotherapy | Ex-officio Member |
| 15. | Principal, College of Nursing | Ex-officio Member |
| 16. | Principal i/c, Allied Health Sciences | Ex-officio Member |

Medical Research Committee (MRC)

In order to reorient and for strengthening research activities and utilization of Scientific Research Funds in SVIMS under the Sri Balaji Arogya Varaprasadini Scheme (SBAVP) the existing Research Committee is reframed as “Medical Research Committee”.

The committee is constituted with the following members.

| S.No | Member of the Research Committee | |
|------|---|---------------------------|
| 1. | Director-cum-VC | Chairperson |
| 2. | Dr D. Rajasekhar, Sr. Professor of Cardiology | Convener |
| 3. | Addl. F.A. & C.A.O, TTD | Permanent Special Invitee |
| 4. | Dean | Ex-officio Member |
| 5. | Registrar | Ex-officio Member |
| 6. | Accounts Officer | Ex-officio Member |
| 7. | Dr Alok Sachan, Prof. & HoD of Endocrinology | Scientific Expert |
| 8. | Dr V.V. Ramesh Chandra, Prof. & HoD of Neurosurgery | Scientific Expert |
| 9. | Dr Aparna R Bitla, Prof. & HoD of Biochemistry | Scientific Expert |
| 10. | Dr K. Madhavi, Principal, College of Physiotherapy | Scientific Expert |
| 11. | Dr P. Sudha Rani, Principal, College of Nursing | Scientific Expert |

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For the year 2021, 96 proposals (S.No. 516 to 615) were assessed. The Faculty of SVIMS have submitted agendas in the Medical Research Committee

| RC No. | Research Proposal | Submitted by |
|--------|--|--|
| 516 | Evaluation of the effectiveness of biochemistry laboratory critical result notification protocol in tertiary care | Dr Silpa .T, Asst. Professor, Dept. of Biochemistry |
| 517 | Correlation between lactate, lactate/albumin ratio and sequential organ failure assessment score in patients with septic acute kidney injury | Dr N. Harini Devi Assoc. Professor, Dept. of Biochemistry |
| 518 | Correlation of serum zinc and magnesium with glycated hemoglobin in patients with type 2 diabetes mellitus | Dr N. Harini Devi, Assoc. Professor, Dept. of Biochemistry |
| 519 | Correlation between spot urine citrate to creatinine ratio and bicarbonate in chronic kidney disease patients with metabolic acidosis | Dr N. Harini Devi, Assoc. Professor, Dept. of Biochemistry |
| 520 | Comparision of navigated and free hand technique placement of pedicle screws in minimally invasive spine fixation | Dr V.V. Ramesh Chandra, Professor & HoD, Dept. of Neurosurgery |
| 521 | Utility of spinal endoscopy in cervical canal stenosis – analysis of pilot study in 15 patients | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 522 | Navigation assisted placement of pedicle screws in sub axial cervical spine – A prospective analysis in 30 patients | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 523 | Neuro-navigation assisted minimally invasive approach to deep seated brain tumors | Dr V.V. Ramesh Chandra Professor & HoD Dept. of Neurosurgery |
| 524 | Neuronavigation – assisted trajectory planning for deep brain biopsy with susceptibility – weighted imaging | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 525 | Comparative study of microsurgical lumbar discectomy (MLD) and percutaneous endoscopic lumbar discectomy (PELD) based on clinical outcome, muscle injury markers and imaging changes | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 526 | Clinical and radiological predictors of ease of surgery in interlaminar endoscopy | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 527 | Outcome of interlaminar endoscopy for lumbar canal stenosis – analysis of predictors of poor outcome | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 528 | Accuracy of placement of lumbar interbody cages using navigation – study comparing a non navigated cohort | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 529 | Processing the procurement of spinal endoscopy system under enhancement of research facilities | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 530 | Processing the procurement of neuronavigation system under enhancement of research facilities | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 534 | Role of endoplasmic reticulum stress in the pathogenesis of mucormycosis associated with COVID-19 | Dr N. Lakshmana Asst. Professor, Dept. of Biochemistry |

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| RC No. | Research Proposal | Submitted by |
|--------|---|---|
| 535 | Utility of F-18 FDG PET/CT in evaluation of recently diagnosed locally advanced breast cancer patients for metastatic disease among obese and non-obese patients | Dr T.C. Kalawat Prof. & HoD, Dept. of Nuclear Medicine |
| 536 | Utility of F-18 PSMA PET-CT in initial staging and response evaluation of prostate cancer | Dr T.C. Kalawat Prof. & HoD, Dept. of Nuclear Medicine |
| 537 | Correlation between echocardiography calcium scoring and CT calcium score and its association with severity of coronary artery disease on coronary angiogram in coronary artery disease | Dr D. Rajasekhar Sr. Professor & HoD Dept. of Cardiology |
| 538 | Role of aortic propagation velocity in patients with coronary artery disease – a novel echocardiographic parameter of atherosclerosis | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 539 | Echocardiographic assessment of right ventricular function in inferiorwall myocardial infarction and angiographic correlation with right coronary artery disease | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 540 | 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 | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 541 | Assessment of right ventricular strain and strain rate before and after ASD device closure | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 542 | Utility of global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with sub clinical left ventricular systolic dysfunction | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 543 | Assessment of left ventricular function by myocardial strain imaging in cancer patients before and after chemotherapy | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 544 | Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 545 | Correlation of inflammatory markers with angiographic disease severity in acute coronary syndrome | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 546 | Correlation between echocardiography calcium scoring and CT calcium score and its association with severity of coronary artery disease on coronary angiogram in coronary artery disease | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 547 | Effectiveness and safety of optical coherence tomography guided PCI in Indian patients with complex lesions – A single cancer prospective registry | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 548 | Correlation of ASCVD score, ankle brachial index and CT calcium score with severity of coronary artery disease on coronary angiogram | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 549 | Association of testosterone with the angiographic severity of coronary artery disease in middle age males | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |

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| RC No. | Research Proposal | Submitted by |
|--------|--|---|
| 550 | Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 551 | Effectiveness and safety of optical coherence tomography guided PCI in Indian patients with complex lesions – A single center prospective registry | Dr D. Rajasekhar Sr. Professor & HoD, Dept. of Cardiology |
| 552 | Developing a prediction model for determining probability of harboring ESBL producing enterobacteriaceae in UTI | Dr R Jayaprada Assoc. Professor, Dept. of Microbiology |
| 553 | A prospective multi-centre study to develop an antibiotic resistance prediction model supporting empirical antibiotic therapy | Dr R Jayaprada Assoc. Professor, Dept. of Microbiology |
| 554 | Rapid identification and antimicrobial susceptibility testing of positive blood cultures using automated identification system and its comparison with conventional method | Dr R Jayaprada Assoc. Professor, Dept. of Microbiology |
| 555 | Identification and antifungal susceptibility testing of fungal isolates using automated identification system | Dr R Jayaprada Assoc. Professor, Dept. of Microbiology |
| 556 | A study of highly sensitive –C reactive protein and serum homocysteine levels in patients with intracranial aneurysm patients. | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 557 | A study to correlate the microsurgical anatomy of intracranial aneurysms with highly sensitive-C reactive protein and serum homocysteine levels. | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 558 | Study of microsurgical anatomy of Trigeminal nerve in patients of trigeminal neuralgia undergoing MVD | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 559 | A study of utility of video-ICG in patients with cerebral aneurysm | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 560 | The efficacy of conventional radiofrequency denervation in patients with chronic low back pain originating from the facet joints: A prospective study | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 561 | Effectiveness of radiofrequency denervation for sacroiliac joint pain: A prospective study | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 562 | A prospective randomized study comparing the accuracy of placement of cervical lateral mass screws using conventional two dimensional C-Arm versus 3D C-Arm. | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 563 | A prospective study of utility of intraoperative 3D C-Arm in correction of deformity in scoliosis surgery in 30 patients | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |
| 564 | Utility of 3D C-Arm in minimally invasive transforaminal lumbar interbody fusion: A prospective analysis in 30 patients | Dr V.V. Ramesh Chandra Professor & HoD, Dept. of Neurosurgery |

Sri Venkateswara Institute of Medical Sciences

| RC No. | Research Proposal | Submitted by |
|--------|---|---|
| 565 | Role of F-18FDG PET/CT in the diagnosis of myocardial sarcoidosis in patients with recently diagnosed extra cardiac sarcoidosis or clinically suspected cardiac sarcoidosis | Dr T.C. Kalawat Prof. & HoD, Dept. of Nuclear |
| 566 | Effect of 'Heartfulness' meditation practices on endothelial function and inflammation in patients with coronary heart disease. | Dr V. Vanajakshamma Professor, Dept. of Cardiology |
| 567 | Evaluation of S100 β gene expression (a key regulator in the development of astrocytes) in the glioblastoma (GB) cell line developed from the tissue obtained from Glioblastoma patients | Dr PVGK Sarma Assoc. Professor Dept. of Biotechnology |
| 568 | The effect of aerosol particle PM 2.5 on cultured type II pneumocytes a causative agent of chronic obstructive pulmonary disease and further treatment of these cells with curcumin and 6-gingerol" | |
| 569 | In vitro generation of keratinocytes from human hematopoietic stem cells | |
| 570 | In vitro generation of mesangial cell from human hematopoietic stem cells | |
| 571 | In vitro generation of chondrocytes from human hematopoietic stem cells | |
| 572 | A prospective study to evaluate the occurrence of pneumonitis following adjuvant radiotherapy in breast cancer patient | Dr B.V. Subramanian Professor & HoD Dept. of Radiotherapy |
| 573 | A prospective study to evaluate the clinical and dose volume histogram (DVH) parameters of adaptive intensity modulated radiotherapy in the treatment of patients with head & neck cancers | |
| 574 | A Prospective study to compare tumour response and toxicities in un resectable non small cell lung cancers treated by concurrent chemo radiotherapy using two chemotherapy regimens such as Cisplatin & Eetoposide vs Carboplatin & Paclitaxel. | |
| 575 | A comparative study of the outcomes of laparoscopic transperitoneal simple nephrectomy in non inflammatory versus inflammatory non functioning kidney – A prospective observational study | Dr N. Anil Kumar Prof. HoD Dept. of Urology |
| 576 | A study to evaluate the complications of laparoscopic renal and adrenal surgeries using modified clavien-dindo classification | |
| 577 | Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study | |
| 578 | A study of impact of percutaneous assess point number and location on surgical outcomes in percutaneous nephrolithotomy – A prospective observational study | |
| 579 | A study of risk factors and complications of neglected double-J stent in cases presenting to Urology, SVIMS | |
| 580 | A study of preoperative clinical predictors of lymphovascular invasion on histopathological examination of transurethral resection of bladder tumours | |
| 581 | Study of factors affecting surgical outcome of excision and end-to end – anastomosis for bulbar urethral stricture – A prospective observational study | |

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| RC No. | Research Proposal | Submitted by |
|--------|---|---|
| 582 | A comparative study of the outcomes of laparoscopic transperitoneal simple nephrectomy in non inflammatory versus inflammatory non functioning kidney – A prospective observational study | |
| 583 | Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study | |
| 584 | A study to evaluate the complications of laparoscopic renal and adrenal surgeries using modified clavien-dindo classification | |
| 585 | A study of preoperative clinical predictors of lymphovascular invasion on histopathological examination of transurethral resection of bladder tumours | |
| 586 | A study of impact of percutaneous assess point number and location on surgical outcomes in percutaneous nephrolithotomy – A prospective observational study | |
| 587 | A study of risk factors and complications of neglected double-J stent in cases presenting to Urology, SVIMS | |
| 588 | Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study | |
| 589 | A study of impact of percutaneous assess point number and location on surgical outcomes in percutaneous nephrolithotomy – A prospective observational study | |
| 590 | A study of risk factors and complications of neglected double-J stent in cases presenting to Urology, SVIMS | Dr N. Anil Kumar, Prof. HoD, Dept. of Urology |
| 591 | A study of COVID-19 disease and AKI- clinical profile and outcomes of adult patients in a tertiary care centre | Dr R. Ram, Professor & HoD, Dept. of Nephrology |
| 592 | A study of clinical characteristics of paediatric COVID-19 disease with acute kidney injury in a tertiary care centre | |
| 593 | Comparison of BIOFIRE FILM ARRAY and multiplex PCR for detection of SARS Cov-2 in respiratory samples | Dr Usha Kalawat, Professor, Dept. of Clinical Virology |
| 594 | Detection of various viruses causing gastroenteritis in children below 5 years of age using Bio Fire Gastrointestinal panel assay | |
| 595 | Accurate microbial identification and antimicrobial susceptibility testing of positive blood cultures using automated identification system | Dr R. Jayaprada Assoc. Professor, Dept. of Microbiology |
| 596 | Clinico-pathological and microbial cultural evaluation of fungal infections related to COVID-19; An Institutional experience | Dr N. Ruckmangadha Professor & HoD, Dept. of Pathology |
| 597 | Prevalence of Stromal Tumour Infiltrating Lymphocytes in invasive breast carcinoma | |
| 598 | Comparison of Tumor Infiltrating Lymphocyte Density with Histopathological and prognostic parameters in oral squamous cell carcinomas | |
| 599 | Assessment of venous invasion in colorectal carcinoma using elastin stain: A simple technique to detect an under reported yet important prognosticator | |

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| RC No. | Research Proposal | Submitted by |
|--------|--|--|
| 600 | Study of tumour budding as a histopathological marker and prognostic tool in gastric carcinomas | |
| 601 | Computed tomography measurement of lumbar skeletal muscle mass index and its association with underlying pathology, visceral fat in elderly patients at a tertiary care hospital in South India | Dr B. Vijaya Lakshmi Devi Professor & HoD, Dept. of Radiology |
| 602 | Contrast enhanced multidetector computed tomography in differentiating benign from malignant pancreatic cysts | |
| 603 | CT cerebral angiography in assessment of morphological parameters and location of ruptured intracranial aneurysms – prospective observational study | |
| 604 | Role of multi detector computed tomography in evaluation of vascular complications of pancreatitis: A cross-sectional study | Dr T.C. Kalawat Professor & HoD, Dept. of Nuclear Medicine |
| 605 | Analysis of variants of major branches of abdominal aorta using CT angiography | |
| 606 | Bone scan findings of degenerative and arthritic changes: A prospective study to evaluate skeleton in a select patient population belonging to Rayalaseema region | |
| 607 | Utility of NORA, a new diuretic renography parameter for evaluation of pre and post pyeloplasty renal drainage pattern in hydronephrotic kidney | |
| 608 | Detection of COVID-19 variants in clinically suspected patients attending SVIMS Hospital | Dr Usha Kalawat Professor, Dept. of Clinical Virology |
| 609 | Scroprevallence of neutralizing antibodies to COVID-19 among blood donors in a tertiary care hospital from Andhra Pradesh | Dr B. Venkata Ramana Assoc. Prof. & HoD i/c, Dept. of Microbiology |
| 610 | A prospective evaluation of role of imaging, HPV and EBV DNA detection in lymph node biopsy specimens of patients with squamous cell carcinoma of unknown primary in neck | Dr H. Narendra Professor & HoD, Dept. of Surgical oncology |
| 611 | Develop and testing of home exercise adherence framework in improving exercise adherence in breast cancer patients | K. Ashajyothi Clinical Physiotherapist College of Physiotherapy |
| 612 | Glycemic variability among patients with type 1 diabetes mellitus | Dr Alok Sachan Prof. & HoD, Dept. of Endocrinology |
| 613 | Alterations in hormonal axes in men with severe acute illness and their prognostic significance | |
| 615 | Effect of implementation of Government of India ministry of Health and Family Welfare clinical management protocol for COVID-19 (In Adults) at SVIMS-SPMCW state COVID-19 hospital on outcome in patients with moderate/severe/critical COVID-19 | Dr Alladi Mohan Professor (Senior Grade), Dept. of Medicine |

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6.6 Events at SVIMS

1. SVIMS Dept. of Bio Technology organised Guest lecture on 02.01.2021 at Sri Padmavathi Auditorium. Dr Sridhar R Oleti, CEO, Aspire - Bionest and School of Life sciences, University of Hyderabad visited SVIMS and given guest lecture.



2. MBBS 2021 batch orientation programme was held on 18.01.2021



3. SVIMS Director cum Vice Chancellor Dr B.Vengamma inaugurated renovated Playground for students and staff of SVIMS and SPMCW on 24.01.2021.



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4. SVIMS organized 72nd Republic Day celebrations at SVIMS-SPMCW Play ground on 26.01.2021. SVIMS Director cum Vice Chancellor Dr B.Vengamma hoisted the National flag on this occasion and addressed the gathering.



5. Director and faculty felicitated Dr K.K.Sharma, Professor & HoD i/c, Dept. of Microbiology of SVIMS on his superannuation on 30.01.2021 at Sri Padmavathi Auditorium. Director cum VC appreciated for his best services for a long period in SVIMS.



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6. SVIMS organized Cancer Awareness programme and organised Awareness rally on the occasion of World Cancer Day on 04.02.2021 at SVIMS Premises. On this occasion SVIMS Director cum VC Dr B.Vengamma released cancer awareness pamphlet.



7. Director cum Vice Chancellor Dr B.Vengamma greeted Hon'ble Chief Minister of A.P. Sri Y.S.Jagan Mohan Reddy at Renigunta Airport on 07.02.2021 who is en route Madanapalli to receive the Hon'ble President of India.



8. Director cum Vice Chancellor Dr B.Vengamma inaugurated Epilepsy Awareness rally from SVIMS to SPMCW and organized CME and given lecture about Epilepsy and seizures at SPMCW Lecture gallery on 08.02.2021 on the occasion of International Epilepsy Day. In this connection Dr GCM Pradeep, from Ramaiah Memorial Hospital, Bangalore attended as a Guest speaker and delivered lecture on Neonatal Seizures .



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9. SVIMS, SPMCW organized guest lecture on 11.02.2021 at Lecture Gallery- SPMCW. On this occasion Director cum Vice Chancellor Dr B.Vengamma and Dr Nanda Rajaneesh from Bangalore delivered guest lecture through online & Offline



10. 2nd dosage vaccination programme started at SVIMS on 15.02.2021. Dr Ram, Medical Superintendent, SVIMS taken 2nd dosage of Vaccination



11. Director cum Vice Chancellor Dr B.Vengamma welcomed Hon'ble Chief Minister of A.P. Sri Y.S.Jagan Mohan Reddy at Renigunta Airport on 18.02.2021 during his visit to Tirupati.



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12. SVIMS Director cum Vice Chancellor Dr B.Vengamma inaugurated Additional New Laundry at Sri Padmavathi Women's Hospital on 26.02.2021



13. SVIMS Director and faculty felicitated Senior Health Inspector Smt. Umamaheswari and Senior Tailor Smt. S.Anandamma of their retirement function on 27.02.2021 at Sri Padmavathi Auditorium. SVIMS Director cum VC appreciated their best services for a long period in SVIMS.



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14. International Women's Day on 08.03.2021 at Sri Padmavathi Auditorium, SVIMS



15. SVIMS organized Patient Safety Awareness week on 19.03.2021 at Sri Padmavathi OPD Block. SVIMS Director cum VC Dr B.Vengamma given awareness about patient safety and COVID protocols



16. SVIMS organised World TB Day at Sri Padmavathi OPD Block on 24.03.2021. SVIMS Director cum VC Dr B.Vengamma attended as Chief guest and given awareness to the gathering.



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17. SVIMS Director cum VC Dr. B.Vengamma and other Nursing staff felicitated Smt. Umamaheswari, ANM on her Retirement at committee hall on 31.03.2021



18. SVIMS organized World Health Day on 07.04.2021 at Sri Padmavathi Auditorium, SVIMS, Tirupati. Dr. M.S.Reddy, Virologist, CEO, IMAC, USA, Smt. Syama Reddy, Dietician, CFO, IMAC, USA and Smt. Prathima, Yoga Therapist have participated and given awareness about COVID 19, Women Empowerment and Yoga Therapy.



19. Karur Vaisya Bank donated three battery vehicles worth of Rs. 12,45,000/- (Rupees Twelve lakh forty five thousand) to SVIMS under Corporate Social Responsibility Programme on 08.04.2021



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20. SVIMS organised Baratharathna Dr B.R.Ambedkar 130th Jayanthi Celebrations at SVIMS Auditorium, 14.04.2021



21. Department of Radiology organized condolence meeting on 16.04.2021 for the demise of Padmasri Dr Kakarla Subba Rao, Former Governing Council member of SVIMS.



22. Mrs M.Sivakumari from Rayachoty, Kadapa district donated wheel chairs, pedestal fans etc., to SVIMS on 05.05.21 and on this occasion District Collector, Chittoor and other officials attended.



23. U.S.A Albany Andhra Association Member Sri. Kiran Chalivendra donated Rs. 3 lakhs worth of N95 Masks and Surgical Gloves to SVIMS on 08.05.21. On behalf of Sri Kiran Chalivendra, his parents and sister Dr Pallavi SVIMS attended the programme.



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24. SVIMS celebrated International Nurses Day on 12.05.2021



25. SVIMS Director cum VC Dr B.Vengamma and other officials felicitated Senior Dialysis Technician Sri A.S. Sudhakar on his Retirement at committee hall on 31.05.2021.



26. SVIMS celebrated Doctors day on 1st July 2021



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27. MBBS degrees were awarded to 2015-16 passed out batch on 26.6.2021



28. SVIMS Director cum VC Dr B.Vengamma inaugurated new Modular Operation Theatre at SVIMS- SPMCW hospital on 19.07.2021



29. SVIMS Director cum VC Dr B.Vengamma received 10 B Type Oxygen Cylinders worth Rs. 1 lakh from Smt. S. Santhana Lakshmi, Supdt., Credit Cell, SVIMS on behalf of Kum. R.Saisruthi D/o S.Santhana Lakshmi and R.K.Lokanadhan on 30.07.2021



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30. TTD Chairman Sri Y.V. Subba Reddy, Tirupati MLA Sri Bhumana Karunakar Reddy, TUDA Chairman Sri Chevireddy Bhaskar Reddy, TTD JEO Smt. Sada Bhargavi, IAS and SVIMS Director cum VC Dr B.Vengamma jointly inaugurated Additional Causalty and Pressure Swing Adsorption (PSA) Oxygen Plant in SVIMS on 12.08.2021.



31. SVIMS, SPMCW and Dept. of Youth Services & Sports SETVEN, Chittoor District jointly organised International Youth Day at Sri Padmavathi Medical College lecture gallery – I on 12.08.2021



32. SVIMS celebrated Organ donation day on 13.08.2021



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33. SVIMS Director cum VC Dr B.Vengamma hoisted Indian Flag on the occasion of 75th Independence Day on 15.08.2021



34. Hon'ble M.P. of Tirupati Dr M. Gurumurthy inaugurated Neurorehabilitation Bay at SVIMS on 08.09.2021 on the occasion of World Physiotherapy Day



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35. Dr YSR Aarogyasri Health Care Trust, Aaushman Bharat, Arogya Manthan 3.0, 3rd Anniversary Celebrated on 23rd September 2021



36. Mrs Vijayakumari, Head Nurse was felicitated on her retirement on 30.9.2021



37. Revised Basic Course workshop was organized by Medical Education Unit of SVIMS, SPMCW on 01.10.2021



38. SVIMS organised Integrity pledge with the theme “Independent India @ 75: Self Reliance with Integrity (Swatantra Bhaarat @ 75: Satyanishthase Atmnirbhararta)” on the occasion of Vigilance Awareness Week at the premises of Director’s office on 26.10.2021.



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39. Dept. of Neurology organized World Stroke Day at Sri Padmavathi Auditorium on 29.10.2021. SVIMS Director cum VC Dr B.Vengamma addressed the gathering on this occasion



40. Director cum VC Dr B.Vengamma and other officials felicitated Dr Abha Chandra, HoD, CT Surgery and Sri Lakshminarayana, Technician, Bio Chemistry, on their retirement at Sri Padmavathi Auditorium on 30.10.2021.



41. Dr A.Padmaja (Rtd. Professor, Nursing College, SVIMS) received Florence Nightingale Award from Hon'ble President of India on Virtual Mode. SVIMS Director cum VC Dr B.Vengamma and SVIMS family members felicitated Dr A.Padmaja on her achievement on 30.10.2021 at Sri Padmavathi Auditorium



Annual Report 2021

42. SVIMS Director cum VC Dr B.Vengamma distributed Sanitization kits to Sanitary Workers in association with the Siddha Clinical Research Unit, SVIMS Campus, Tirupati, Ministry of Ayush, Govt. of India on 09.11.2021.



43. Dr Alok Sachan, Prof. & HoD, Dept. of Endocrinology organised World Diabetes Day at Sri Padmavathi Auditorium on 13.11.2021. Director cum VC Dr B.Vengamma attended as a Chief Guest and addressed the gathering



44. Dept. of Pharmacology, SVIMS, SPMCW organized APPSCON – 2021, 3rd Andhra Pradesh Pharmacologists Society Conference at Sri Padmavathi Auditorium on Virtual Mode on 19.11.2021.



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45. Dept. of SGE and Anaesthesia teams successfully performed complicated life saving surgery for Lakshmaiah, who admitted in SVIMS and Discharged in stable condition. On this occasion SVIMS organised Press Meet on 13.12.2021



46. Dept. of Radiology, SVIMS invited Dr V.Sriram Radiologist from Kovai Medical Centre Hospital, Tamilnadu to deliver guest lecture on the topic Neuroimaging in Clinical Practice at Sri Padmavathi Auditorium on 14.12.2021



47. Dept. of Medicine, SVIMS organised NAPCON Quiz contest for PG Students at Sri Padmavathi Auditorium on 19.12.2021



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48. Dept. of Pharmacology, SVIMS, SPMCW organised Pharmacology workshop on the topic Pharmacovigilance and reporting of adverse drug reaction on 22.12.2021



48. Dept. of Pharmacology, SVIMS, SPMCW organised Pharmacology workshop on the topic Pharmacovigilance and reporting of adverse drug reaction on 22.12.2021





Sri Ramakrishna Mission
Medical Services



Shri Ramakrishna Mission
Medical Services



II. PATIENT CARE SERVICES



II. Patient Care Services

2.1 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. 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. | Heartfulness Meditation | Mon/ Wed/ Fri | 40 | |
| 5. | Medical Oncology | Tue / Thu/ Sat | 37, 39 & 40 | |
| 6. | Medicine - I | Monday | 25 & 26 | |
| 7. | Medicine - II | Tuesday | | |
| 8. | Medicine - III | Wednesday | | |
| 9. | Medicine - IV | Thursday | | |
| 10. | Medicine - V | Friday | | |
| 11. | Medicine - VI | Saturday | | |
| 12. | Medicine- VII | All days | COVID-19 ward | |
| 13. | Nephrology | Mon/ Wed/ Fri | 35, 36 & 37 | |
| 14. | Neurology | Mon to Sat | 21, 22 & 23 | |
| 15. | Neurosurgery | Mon/ Wed/ Fri | 27 & 28 | |
| 16. | Plastic Surgery | Mon / Wed / Fri | 31 | |
| 17. | Pre-anaesthesia Check-up | Mon to Sat | 17 | |
| 18. | Radiation Oncology | Tue / Thu/ Sat | 27 & 28 | |
| 19. | Surgical Gastroenterology | Mon to Sat | 41 & 42 | |
| 20. | Surgical Oncology | Tue / Thu/ Sat | 31 | |
| 21. | Urology | Mon / Wed / Fri Tue / Thu/ Sat | 45 35 & 45 | |

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| | | | | |
|------------------|--------------------------|-----------------|------|-----------------------|
| 21. | Dental | Mon to Sat | 19 | SVIMS SPMCW, Hospital |
| 22. | Dermatology | Mon to Sat | 9 | |
| 23. | Endocrinology | Mon to Sat | 18 | |
| 24. | E.N.T. | Mon to Sat | 12 | |
| 25. | General Surgery - I | Mon | 15 | |
| 26. | General Surgery - II | Tue | | |
| 27. | General Surgery - III | Wed | | |
| 28. | General Surgery - IV | Thu | | |
| 29. | General Surgery - V | Fri | | |
| 30. | General Surgery - VI | Sat | | |
| 31. | General Surgery - VII | Mon | 15A | |
| 32. | Haematology | Mon to Sat | 9 B | |
| 33. | Medicine - VII | Mon to Sat | 10 | |
| 34. | Obstetrics & Gynaecology | Mon to Sat | 17 | |
| 35. | Ophthalmology | Mon to Sat | 14 | |
| 36. | Paediatrics | Mon to Sat | 13 | |
| 37. | Psychiatry | Mon to Sat | 16 | |
| 38. | Rheumatology | Mon / Wed / Fri | 16 B | |
| 39. | TB & RD | Mon to Sat | 11 | |
| 40. | Psychiatry | Mon to Sat | 16 | |
| 41. | Rheumatology | Mon / Wed / Fri | 16 B | |
| SUNDAY - HOLIDAY | | | | |

Services not available in SVIMS: Family Medicine, Orthopaedics (Treated At BIRRD) & Burns

SPECIAL CLINICS

| S.No. | Departments | Days | Room No. | Timings | Place |
|-------|--------------------------|--------------|----------|-----------------|--------------------------|
| 1 | Master Health Checkup | Mon to Sat | 25 | 7:00 - 11:00 am | Sri Padmavathi OPD Block |
| 2 | Speech Therapy | Mon to Sat | 48 | 8:00 - 4:00 pm | SPMCW Hospital |
| 3 | Juvenile Diabetic Clinic | 2nd Saturday | 18 | 7:00 - 11:00 am | |
| 4 | Paed. Endocrinology | Tuesday | | 2:00 - 2:30 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 |

SUNDAY CAMPS*

| S.No. | Departments | Days | Room No. | Timings | Place |
|-------|-------------------------|-------------|----------|-----------------|--------------------------|
| 1 | Endocrinology | II Sunday | 39 & 40 | 7:00 - 11:00 am | Sri Padmavathi OPD Block |
| 2 | Epilepsy | III Sunday | 21 & 22 | | |
| 3 | Hypertension Clinic | Last Sunday | 18 & 19 | | |
| 4 | Prosthetic Valve Clinic | | | | |

** Registration fee exempted for WRC holders*

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No Queue system

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

Using NoQ System

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

Example: noq card 66666

Note :

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

Department Keywords (SVIMS)

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

Department Keywords (SPMCWH)

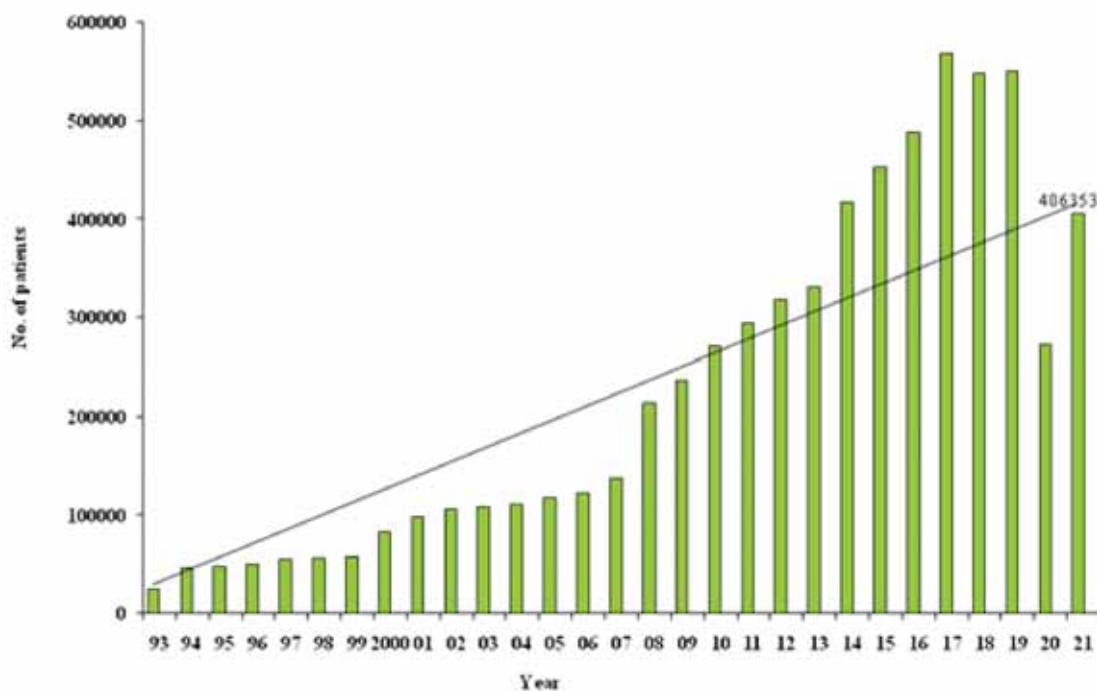
| | | | |
|---------------|------|-----------------|-----|
| Endocrinology | endo | General Surgery | gs |
| Rheumatology | rh | Dental | den |
| Haematology | haem | TB & RD | tb |
| psychiatry | psy | Ophthalmology | oph |
| Dermatology | dvl | Pediatrics | pae |
| ENT | ent | Gynecology | obg |

SVIMS Clinic

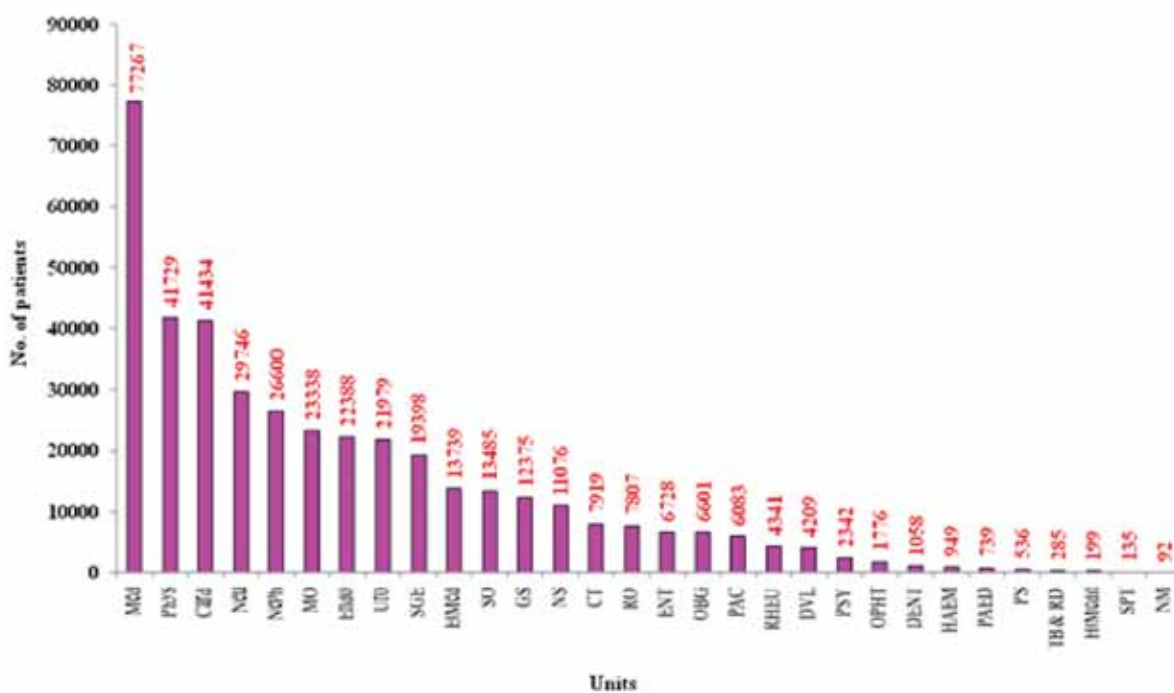
A separate clinic operates beside SVIMS OPD block with all Super Specialties and Medicine department exclusively for the patients registered under TTD, Working Journalist health scheme and SVIMS staff with their dependents and students of SVIMS University. The clinic provides central lab test facility, ECG, ECHO, X-Ray and Admission office during all working days between 7 am to 11 am and has sufficient patient/attendant waiting space.

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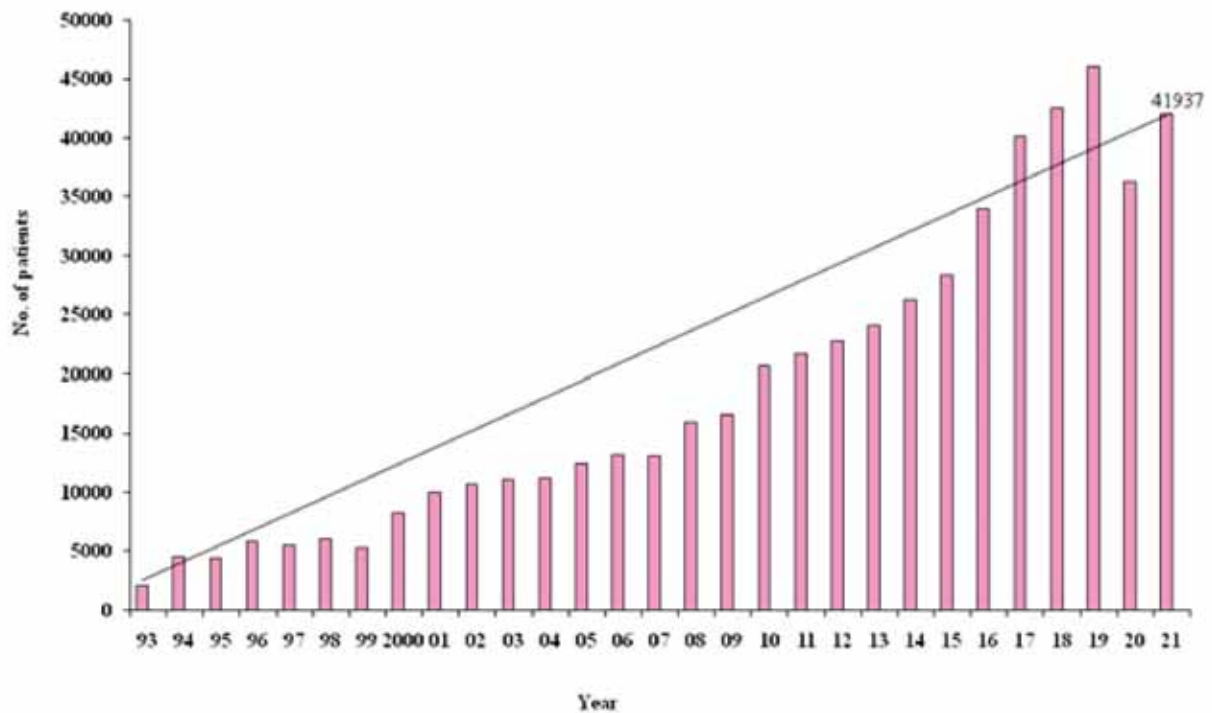
Yearly flow of out-patients
(1993 - 2021)



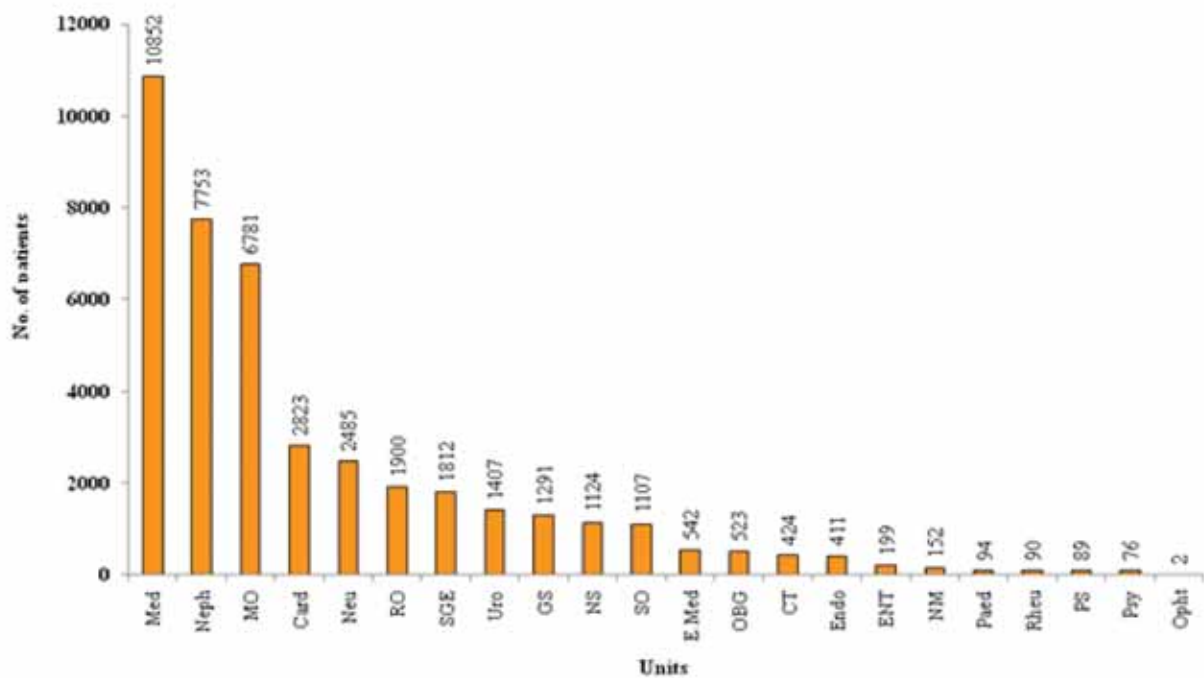
Department wise Out-patient Statistics 2021



Yearly flow of in-patients (1993 – 2021)



Department wise in-patient statistics 2021



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Laboratory – wise investigation statistics (1993-2021)

| S. No. | Department | No. of Investigations |
|--------|---------------------------------|-----------------------|
| 1 | Biochemistry | 100,56,757 |
| 2 | Haematology | 89,89,207 |
| 3 | Microbiology | 21,35,199 |
| 4 | Radiology | 18,67,189 |
| 5 | VRDL(C-far lab) | 16,25,882 |
| 6 | Blood Bank | 15,59,138 |
| 7 | Clinical Pathology | 14,96,035 |
| 8 | Cardiology | 14,22,387 |
| 9 | Endocrinology | 8,49,866 |
| 10 | Dialysis | 6,15,520 |
| 11 | Pathology | 2,80,057 |
| 12 | Hospital Infection Control (MB) | 96,561 |
| 13 | Neurology | 89,067 |
| 14 | Gastro Enterology | 58,839 |
| 15 | Nuclear Medicine | 58,363 |
| 16 | PFT | 44,035 |
| 17 | Urology | 20,867 |
| 18 | C.T.Surgery | 13,792 |
| 19 | Dental | 8,003 |
| 20 | Psychiatry | 803 |
| | Total | 312,87,567 |

Laboratory – wise investigation statistics (2021)

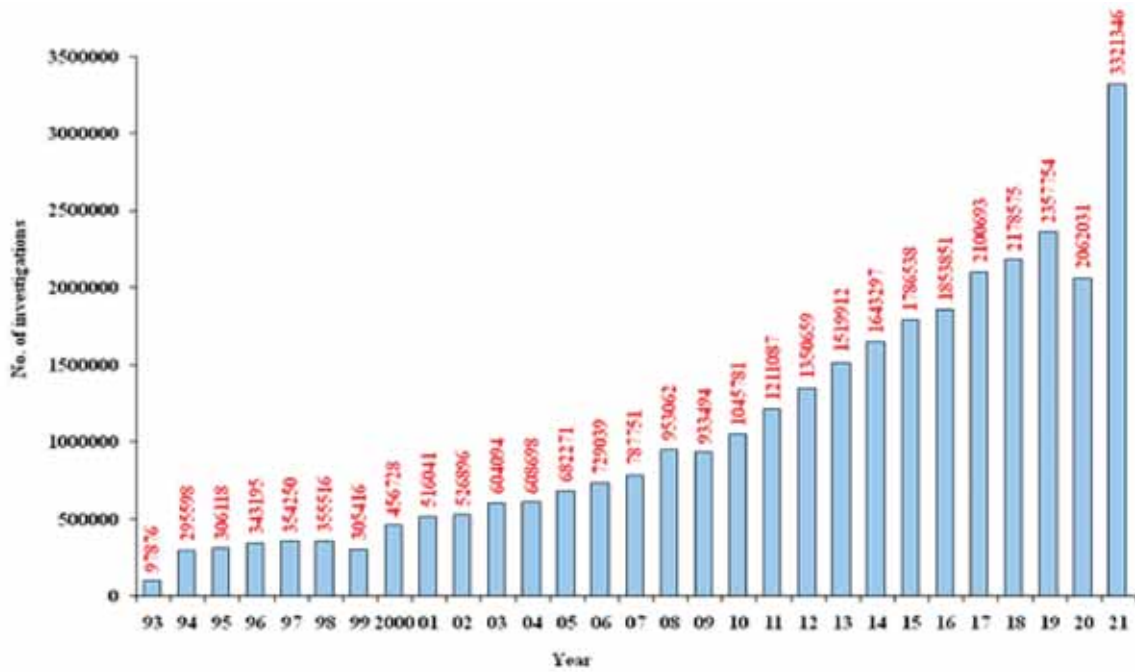
| S. No. | Department | No. of Investigations |
|--------|---------------------------------|-----------------------|
| 1 | VRDL (C-far lab) | 11,91,846 |
| 2 | Biochemistry | 6,87,861 |
| 3 | Haematology | 6,86,535 |
| 4 | Microbiology | 1,83,642 |
| 5 | Blood Bank | 1,02,692 |
| 6 | Radiology | 1,00,900 |
| 7 | Dialysis | 96,157 |
| 8 | Cardiology | 89,903 |
| 9 | Clinical Pathology | 73,227 |
| 10 | Endocrinology | 71,080 |
| 11 | Pathology | 16,606 |
| 12 | Hospital Infection Control (MB) | 11,053 |
| 13 | Nuclear Medicine | 4,358 |
| 14 | Neurology | 3,125 |
| 15 | Gastro Enterology | 1,977 |
| 16 | Urology | 261 |
| 17 | Dental | 118 |
| 18 | Psychiatry | 5 |
| | | |
| | | |
| | Total | 33,21,346 |

Vital statistics Comparison with 2020 & 2021

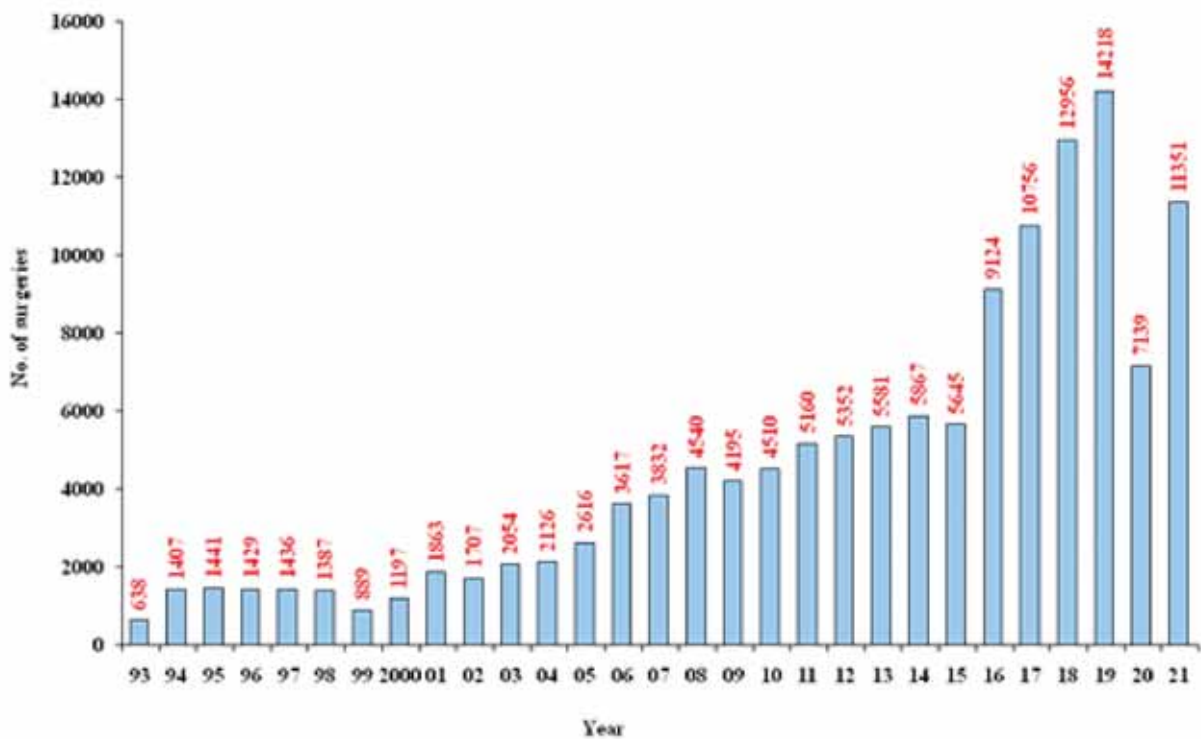
| S. No. | Vital Statistics | 2020 | 2021 | % |
|--------|-----------------------------------|-------|-------|------|
| 1 | Bed occupancy rate | 55.01 | 68.47 | ↑ 24 |
| 2 | Average length of stay | 6.64 | 6.89 | ↑ 4 |
| 3 | Gross death rate | 7.26 | 9.12 | ↑ 26 |
| 4 | Net death rate | 3.89 | 5.69 | ↑ 46 |
| 5 | Monthly Average Bed Turnover rate | 2.95 | 3.10 | ↑ 5 |
| 6 | Daily Average Inpatient census | 564 | 759 | ↑ 34 |

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Year wise Investigation No. of patients
(1993-2021)

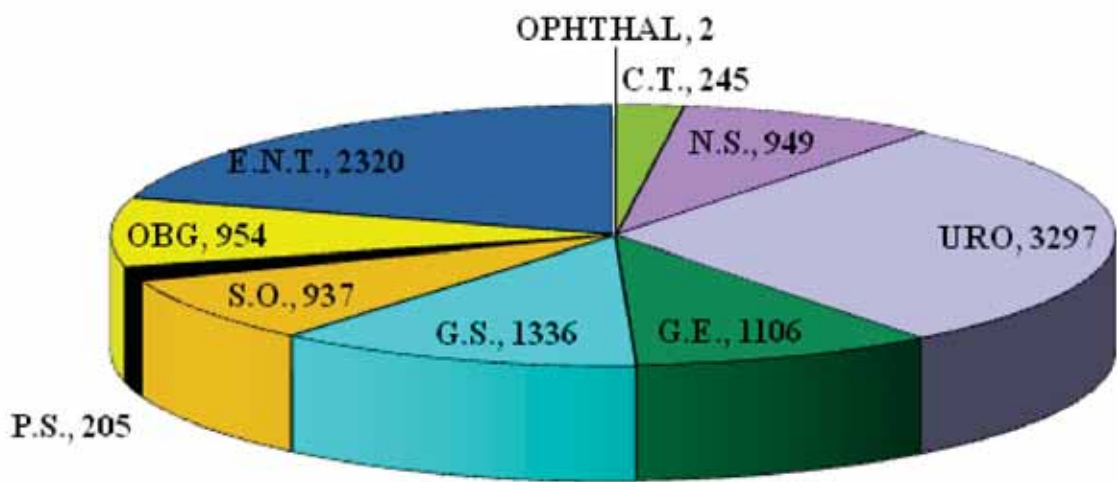


Year wise surgeries performed
(1993-2021)

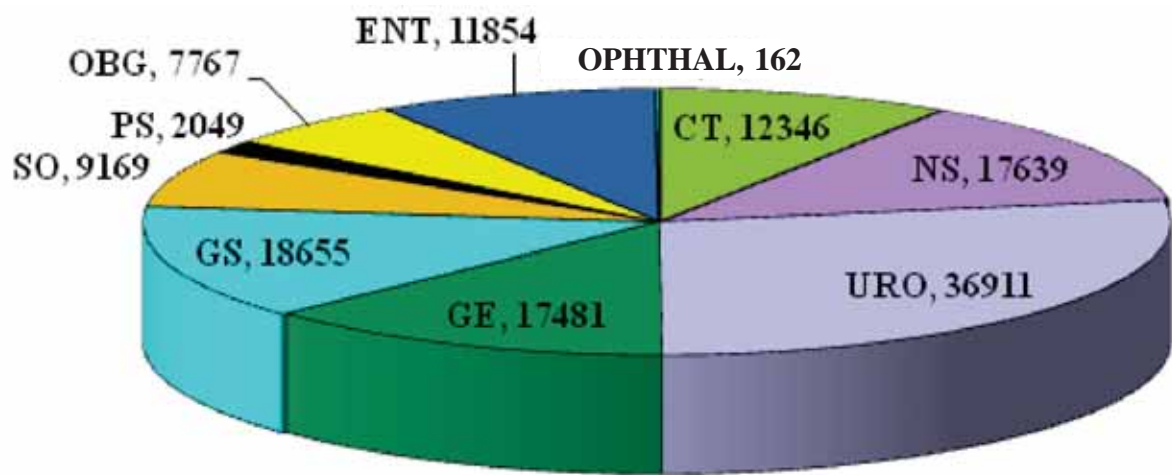


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Total No. of Surgeries Performed
2021



Department wise surgery statistics
1993 – 2021



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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 Garu 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). 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), 04 Medical Coordinators (01 Senior MEDCO and 3 Junior MEDCOs), 01 Medical Records Officer, 01 Office Senior Assistant, 02 Pharmacists, 68 Data entry operators, 01 Bed side assistant and 08 sanitary workers apart from the Aarogya Mithras of the trust.

Dr YSR Aarogyasri Scheme review committee meetings are held regularly on 2nd Thursday from 4:00pm to 5:00pm every month.

Dr YSR Aarogyasri Scheme Planning and Coordination Committee meetings are held regularly on 2nd Thursday from 4:00pm to 5:00pm every month.

The institute 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 conducting 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' 2021)

| 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 |
| 15 | 2021 | -- | -- | -- |
| | 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 | Dental Surgery | Plastic surgery | Total |
|--------------|--------------|---------------|--------------|-------------------|---------------|-----------------|------------|------------|----------------|-----------------|---------------|
| 2007 | 5 | 11 | 2 | 4 | 3 | 0 | - | - | - | 0 | 25 |
| 2008 | 529 | 633 | 225 | 128 | 272 | 68 | - | - | - | 36 | 1891 |
| 2009 | 483 | 541 | 292 | 245 | 491 | 110 | - | - | - | 59 | 2221 |
| 2010 | 375 | 539 | 252 | 314 | 516 | 198 | - | - | - | 68 | 2262 |
| 2011 | 427 | 484 | 472 | 318 | 463 | 103 | - | - | - | 41 | 2308 |
| 2012 | 617 | 393 | 609 | 440 | 548 | 146 | - | - | - | 2 | 2755 |
| 2013 | 675 | 364 | 601 | 509 | 658 | 183 | - | - | - | 0 | 2990 |
| 2014 | 575 | 349 | 522 | 649 | 949 | 198 | - | - | - | 0 | 3242 |
| 2015 | 549 | 195 | 453 | 583 | 754 | 287 | - | - | - | 0 | 2821 |
| 2016 | 546 | 339 | 471 | 628 | 760 | 319 | 34 | 73 | - | 13 | 3183 |
| 2017 | 521 | 656 | 836 | 599 | 916 | 534 | 133 | 73 | - | 18 | 4286 |
| 2018 | 420 | 819 | 1037 | 569 | 884 | 493 | 99 | 76 | - | 24 | 4421 |
| 2019 | 359 | 898 | 1077 | 578 | 942 | 497 | 75 | 181 | - | 22 | 4629 |
| 2020 | 214 | 473 | 816 | 413 | 799 | 215 | 35 | 62 | - | 9 | 3036 |
| 2021 | 249 | 735 | 1244 | 762 | 1146 | 864 | 156 | 264 | 33 | 22 | 5,475 |
| Total | 6,544 | 7,429 | 8,909 | 6,739 | 10,101 | 4,215 | 532 | 729 | 33 | 314 | 45,545 |

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OP & IP statistics (Unit-wise flow)
(Aug' 2007 – Dec' 2021)
Unclaimed (Cashless Transactions)

| S. No. | Unit | Unclaims | | | |
|-----------|--------------------|-----------------|--------------|------------|-----------------|
| | | OP unclaim | In unclaim | | Grand Total |
| | | (New & repeat) | Total | Expired | OP&IP |
| 1 | Cardiology | 1,02,705 | 6132 | 38 | 1,08,837 |
| 2 | C.T. Surgery | 20,665 | 857 | 25 | 21,522 |
| 3 | Dermatology | 2 | 0 | | 2 |
| 4 | Emergency Medicine | 923 | 24 | | 947 |
| 5 | Endocrinology | 14 | 4 | | 18 |
| 6 | ENT Surgery | 20 | 11 | | 31 |
| 7 | General Medicine | 45 | 0 | 9 | 45 |
| 8 | General Surgery | 9,245 | 177 | | 9,422 |
| 9 | Haematology | 2 | 0 | | 2 |
| 10 | Medical Oncology | 83,242 | 375 | 9 | 83,617 |
| 11 | Nephrology | 1,31,561 | 31 | 2 | 1,31,592 |
| 12 | Neurology | 8,056 | 18 | 10 | 8,074 |
| 13 | Neurosurgery | 13,272 | 354 | 16 | 13,626 |
| 14 | Obstetrics | 13 | 3 | | 16 |
| 15 | Ophthalmology | 4 | 0 | | 4 |
| 16 | Plastic Surgery | 303 | 36 | 1 | 339 |
| 17 | Radiation Oncology | 23,749 | 468 | 10 | 24,217 |
| 18 | Rheumatology | 5 | 0 | | 5 |
| 19 | Surgical Gastro | 53,719 | 297 | 11 | 54,016 |
| 20 | Surgical Oncology | 25,675 | 230 | 1 | 25,905 |
| 21 | TB & RD | 5 | 0 | | 5 |
| 22 | Urology | 36,624 | 189 | | 36,813 |
| | Grand Total | 5,09,849 | 9,206 | 132 | 5,19,055 |

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Medical Management Cases conducted under Dr YSR Aarogyasri (Aug' 2007 – Dec' 2021)

| Period | Cardiology | Nephrology | Medical oncology | Neurology | Eme. Medicine | Radiation oncology | Endocrinology | General medicine | Rheumatology | Anaesthesiology | Paediatrics | Tb & rd | Covid-19 | Mucor Mycosis | Nuclear medicine | Sari cases | Ophthalmology | Dermatology | Total |
|--------------|---------------|---------------|------------------|---------------|---------------|--------------------|---------------|------------------|--------------|-----------------|-------------|-----------|---------------|---------------|------------------|------------|---------------|-------------|-----------------|
| 2007 | 7 | 0 | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 07 |
| 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 |
| 2021 | 3,454 | 5,648 | 6,037 | 1,848 | 88 | 2,620 | 137 | 2058 | 5 | 3 | 13 | 0 | 7,203 | 363 | 108 | 261 | 01 | - | 29,847 |
| Total | 24,329 | 31,620 | 52,800 | 16,811 | 1,846 | 29,295 | 998 | 4,100 | 111 | 116 | 90 | 70 | 12,277 | 363 | 124 | 976 | 8 | 21 | 1,75,955 |

OP & IP Statistics (Unit-wise flow) (Aug' 2007 – Dec' 2021) – Claim

| S. No. | Unit | Claims | | | |
|--------|--------------------|-----------------|--------------|----------------------------|-----------------|
| | | IP | | OP follow-up for medicines | Grand total |
| | | Total | Expired | | |
| 1 | Anesthesiology | 116 | 16 | 0 | 116 |
| 2 | C T Surgery | 6,549 | 593 | 8,702 | 15,251 |
| 3 | Cardiology | 24,309 | 641 | 34,003 | 58,312 |
| 4 | Covid -19 | 15,132 | 2221 | 0 | 15,132 |
| 5 | Dermatology | 21 | 0 | 1 | 22 |
| 6 | Dental | 33 | 0 | 0 | 33 |
| 7 | Emergency Medicine | 1,758 | 298 | 77 | 1,835 |
| 8 | Endocrinology | 995 | 6 | 6 | 1,001 |
| 9 | ENT Surgery | 535 | 1 | 0 | 535 |
| 10 | General Medicine | 3,828 | 791 | 0 | 3,828 |
| 11 | General Surgery | 4,219 | 93 | 349 | 4,568 |
| 12 | Medical Oncology | 52,850 | 90 | 0 | 52,850 |
| 13 | Nephrology | 31,559 | 417 | 591 | 32,150 |
| 14 | Neurology | 16,808 | 1001 | 14,487 | 31,295 |
| 15 | Neurosurgery | 7,425 | 449 | 2,730 | 10,155 |
| 16 | Nuclear Medicine | 124 | 0 | 0 | 124 |
| 17 | Obstetrics | 731 | 4 | 0 | 731 |
| 18 | Ophthalmology | 8 | 0 | 0 | 8 |
| 19 | Paediatrics | 90 | 0 | 0 | 90 |
| 20 | Plastic Surgery | 314 | 2 | 0 | 314 |
| 21 | Radiation Oncology | 29,674 | 170 | 0 | 29,674 |
| 22 | Rheumatology | 111 | 0 | 0 | 111 |
| 23 | Sari Cases | 976 | 286 | 0 | 976 |
| 24 | Surgical Gastro. | 10,106 | 432 | 207 | 10,313 |
| 25 | Surgical Oncology | 6,745 | 187 | 0 | 6,745 |
| 26 | TBP& RD | 70 | 1 | 0 | 70 |
| 27 | Urology | 8,909 | 34 | 310 | 9,219 |
| | Grand Total | 2,23,995 | 7,733 | 61,643 | 2,85,458 |

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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 succor 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, hemophilia, thalassemia and cancer.
- iv) PET CT procedures

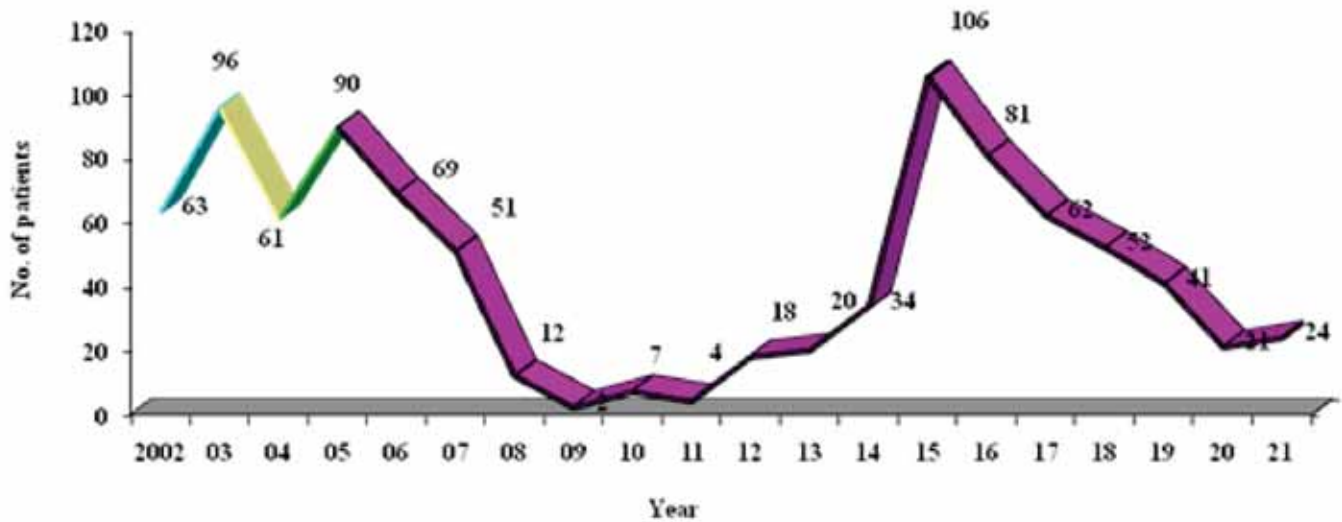
The list of cases treated under various specialties & number of patients admitted are furnished as mentioned below

Sri Venkateswara Pranadana Cases treated for the year 2021

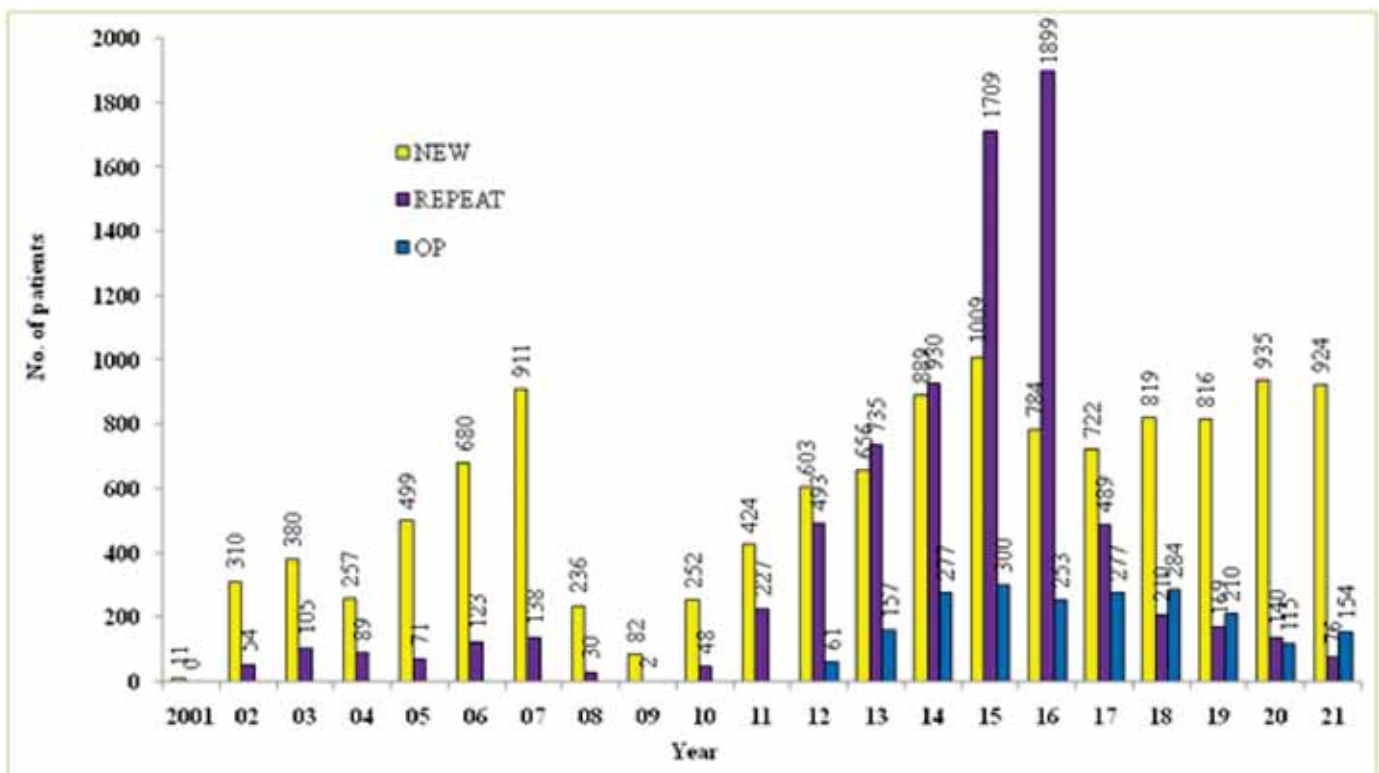
| S.No | Unit | New Admissions | Repeat Admissions | OP (N) | OP (R) | Total | Total Expired | Mortality Rate (%) |
|------|--------------------|----------------|-------------------|------------|----------|-------------|---------------|--------------------|
| 1 | Anaesthesiology | 4 | 0 | 0 | 0 | 4 | 0 | 0.00 |
| 2 | Cardiology | 5 | 0 | 0 | 0 | 5 | 0 | 0.00 |
| 3 | C.T. Surgery | 44 | 0 | 0 | 0 | 44 | 0 | 0.00 |
| 4 | Endocrinology | 5 | 0 | 0 | 0 | 5 | 1 | 20.00 |
| 5 | General Surgery | 11 | 0 | 0 | 0 | 11 | 0 | 0.00 |
| 6 | Haematology | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 7 | Medicine | 87 | 0 | 0 | 0 | 87 | 5 | 5.75 |
| 8 | Medical Oncology | 9 | 0 | 12 | 1 | 22 | 1 | 4.55 |
| 9 | Neurology | 143 | 0 | 0 | 0 | 143 | 7 | 4.90 |
| 10 | Neurosurgery | 231 | 0 | 7 | 0 | 238 | 7 | 2.94 |
| 11 | Nephrology | 113 | 76 | 0 | 0 | 189 | 7 | 3.70 |
| 12 | Plastic surgery | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 13 | Radiation Oncology | 118 | 0 | 62 | 0 | 180 | 1 | 0.56 |
| 14 | Surgical GE | 72 | 0 | 1 | 0 | 73 | 5 | 6.85 |
| 15 | Surgical Oncology | 54 | 0 | 69 | 2 | 125 | 0 | 0.00 |
| 16 | Urology | 20 | 0 | 0 | 0 | 20 | 0 | 0.00 |
| 17 | OBG | 4 | 0 | 0 | 0 | 4 | 1 | 25.00 |
| 18 | BIRRD | 1 | 0 | 0 | 0 | 1 | 0 | 0.00 |
| 19 | Maternity | 2 | 0 | 0 | 0 | 2 | 2 | 100.00 |
| 20 | SVRRGGH | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 21 | Nuclear Medicine | 1 | 0 | 0 | 0 | 1 | 0 | 0.00 |
| | Total | 924 | 76 | 151 | 3 | 1154 | 37 | 3.21 |

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Paediatric Pranadana cases (2002 - 2021)



Sri Venkateswara Pranadana cases (November 2001 – December 2021)

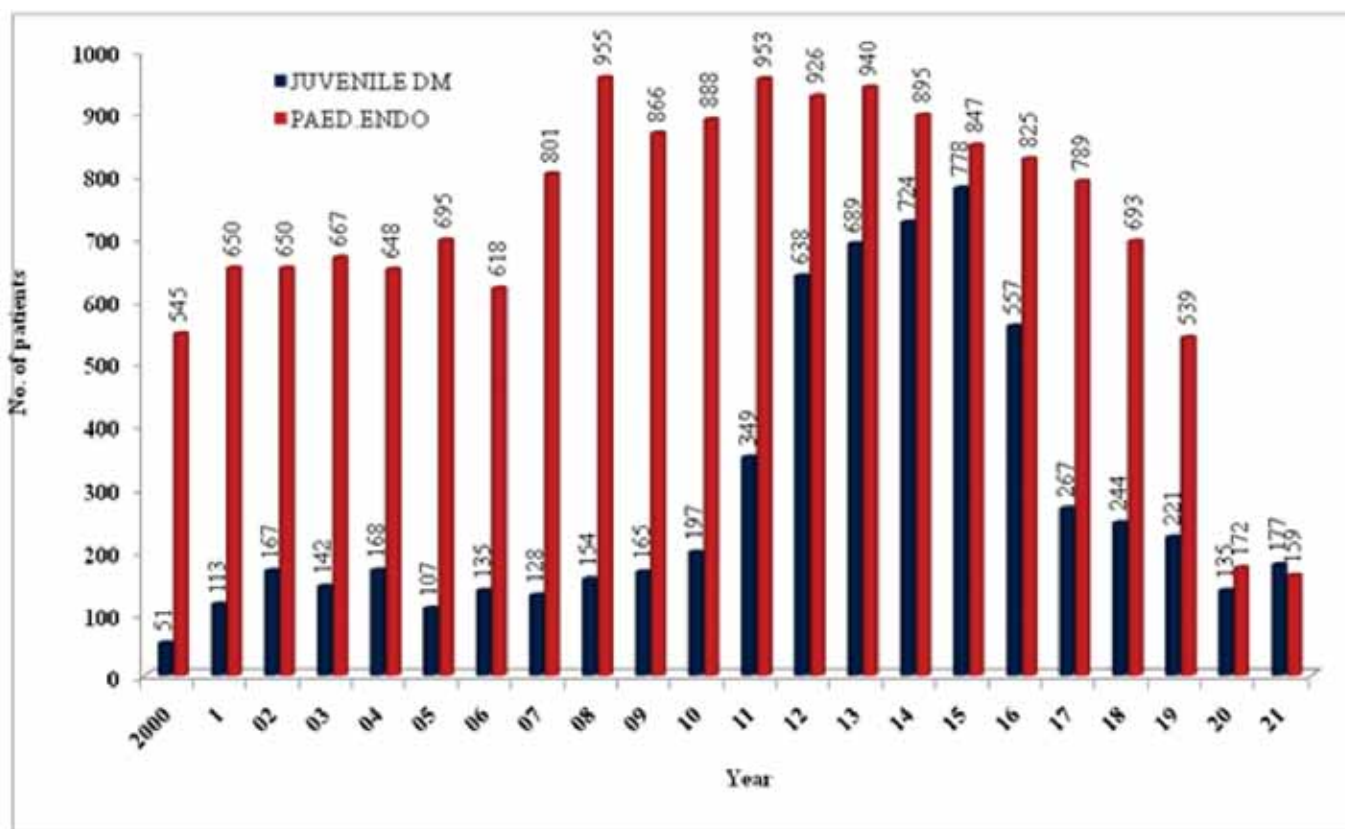


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1.5 Juvenile diabetes camps:

The Department of Endocrinology, SVIMS conducting free Juvenile diabetes camps on 2nd Saturday of each month from the year 2000 and till December 2021, 177 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 – 2021)



1.6 Rural health camps

A 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- 2021 is furnished below:

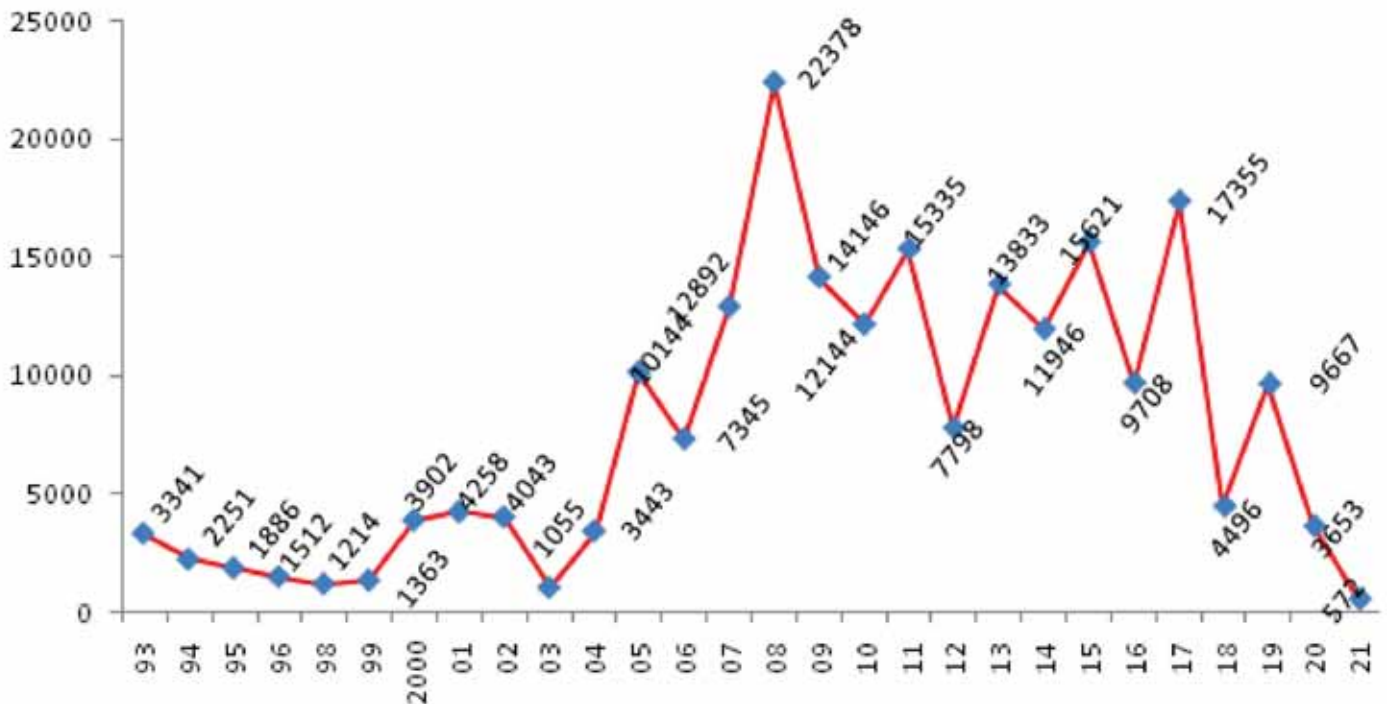
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Rural Health Camps (1993-2021)

| 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 |

| YEAR | GENERAL | ASHIS/ Dr.NTRVSS/ Dr.YSR | PINK BUS | TOTAL CAMPS | TOTAL |
|--------------|------------|--------------------------------|-------------|----------------|---------------|
| 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 |
| 2021 | 0 | 0 | 8 | 8 | 572 |
| Total | 198 | 446 | 70 | 714 | 217104 |

Rural Health Camps (1993 - 2021)



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1.7 Medical Camps at SVIMS

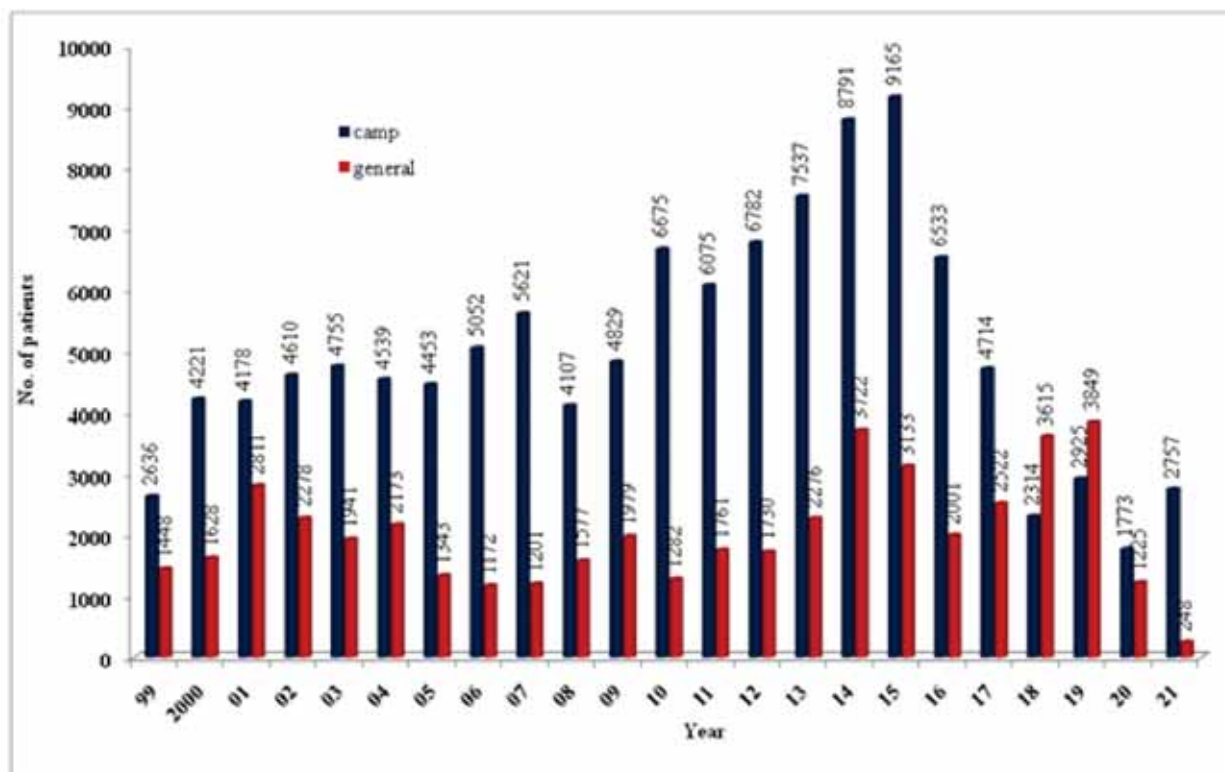
The Institute organizes regular monthly free camps in order to benefit the poor. The patients are provided free consultation and drugs required for one month treatment. The statistics of the patients treated in these camps during the year 2021 are as follows:

Medical Camps – 2021

| S.No. | Camp | Day | No. of camps | No. of patients treated |
|-------|--------------------------|--------------|--------------|-------------------------|
| 1 | Epilepsy Camps | 3rd Sunday | 12 | 2757 |
| 2 | Diabetic Camps | 2nd Sunday | 12 | 1093 |
| 3 | Hypertension & PVC Camps | Last Sunday | 12 | 2762 |
| 4 | Juvenile Diabetic Camps | 2nd Saturday | 12 | 177 |
| 5 | Rural Camps | | Nil | Nil |
| 6 | Pink Bus | | 8 | 572 |

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 2021, 270 camps have been conducted and 1,21,293 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 National Tuberculosis Elimination Programme (NTEP)

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. Under the National Tuberculosis Elimination Programme (NTEP) of Govt. of India, Universal DST is being offered at the DMC. As on 31.12.2021, 5408 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 31-12-2021, 77649 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 in month on first tuesday headed by Director-cum-VC. The committee reviews the monthly surveillance reports and receives suggestions and opinion from the members 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 outcome, 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 under - Quality & Patient Safety-Health Care Associated Infections.

Infection Control Rate

Healthcare acquired Infection rates from January to December 2021 is ranging between 0.2 - 6 %. Average infection rate from HAIs for 2021 being 1.7%. In the year 2021, there had been a reduction in overall Ventilator Associated Pneumonia (VAP) rate to 14.2/1000 ventilator days when compared to previous years. Total Catheter Associated Infection Rate (CAUTI) is maintained between 3.5-5.6/1000 catheterized days. Average Catheter Associated Infection Rate (CAUTI) for recovery room & ICUs was 5.4/1000 catheterized days. Central line Associated Infection Rate (CLABSI) varied between 0- 1.1/ 1000 central line days. Surgical Site Infection Rate (SSI) being 0.6 to 1.6/100 surgeries. Average Multi Drug Resistance rate among HAI isoaltes was 80.9% which is alarming. Percentage of Methicillin Resistant Staphylococcus aureus (MRSA) was 58.5% and MRCONS was 56.7%. Standardized infection ratio (SIR) for VAP & CAUTI was maintained less than one throughout the year 2021.

Overall hand hygiene compliance for health care workers varying between 81%- 87%.

Trends of Multi Drug Resistance

Prevalence of Multi drug resistance (MDR) from January to December 2021 was 80.9%. Predominant isolates in intensive care units (ICU) were Acinetobacter spp. 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

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Pseudomonas spp. infections, empirical choice of antibiotic is Piperacillin+ Tazobactam. Based on Gram staining report, Empirical 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): 9.1%

Percentage of Methicillin resistance *Staphylococcus aureus* (MRSA): 58.5%,

Percentage of Methicillin resistance Coagulase negative *Staphylococcus* (MRCoNS): 56.7%,

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 (93.5%), Ciprofloxacin (89.5%), Cotrimoxazole (71%) and sensitive to Amikacin (78.9%), Cefoperazone+sulbactam (80.2%), Gentamicin (66%), Piperacillin+tazobactam (79.7%), Meropenem (96.4%) and Colistin/Polymyxin B (100%).
- *Klebsiellae* spp. isolates were highly resistant to Cefazolin (97.8%), Cotrimoxazole (87.8%), Ciprofloxacin (84.6%), Cefoperazone+sulbactam (59.7%), Amikacin (65%), Gentamicin (68.5%), Piperacillin +tazobactam (59.7%). *Klebsiellae* spp were highly sensitive to Meropenem (51.6%) and Colistin/Polymyxin B (99%).
- *Acinetobacter* spp. isolates were highly resistant to Cefazolin (95.8%), Ciprofloxacin (67.7%),

Cotrimoxazole (83.8%), Amikacin (76%), Gentamicin (75.6%), Piperacillin +tazobactam (81.8%), Meropenem (70.2%) but majority isolates were sensitive to Cefoperazone+sulbactam (73.6%), and Colistin/Polymyxin B (97.6%).

- *Pseudomonas* spp. isolates were highly resistant to Ciprofloxacin (92.5%), Ceftazidime (74.8%), Amikacin (72.1%), Gentamicin (91.8%), Cefoperazone+sulbactam (51.7%), and highly sensitive to Piperacillin +tazobactam (73.5%), Imipenem (72.8%) and Colistin/Polymyxin B (100%).
- Most of the Gram negative isolates were shown highly resistant to cephalosporins (74.3%), cotrimoxazole (65.6%), and ciprofloxacin (80%).
- On the other hand, Gram negative isolates were sensitive to cefoperazone+sulbactam (69.6%), aminoglycosides (60%), Meropenem (78.4%), and Polymyxin B (99.5%).
- Screening of health care workers (HCW) for Methicillin resistance *Staphylococcus aureus* (MRSA) should be done as MRSA percentage was 58.5% & Methicillin resistance Coagulase negative *Staphylococcus* (MRCoNS) percentage was 56.7%, and these isolates were predominantly from Emergency, General medicine 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 at all times.
- *Staphylococcus aureus* has show high resistance against Ciprofloxacin (89.9%), Erythromycin (78.6%), Clindamycin (68.6%), and Cotrimoxazole (64.3%).
- VRE (Vancomycin Resistance *Enterococci*) percentage was 9.1% and most of the isolates were

reported from EMD followed by Nephrology departments.

- Carbapenem resistance was noted high in *Acinetobacter spp* (70.2%), followed by *Klebsiellae spp* (48.4%), *Pseudomonas spp* (27.2%). So cautious prescription of carbapenems is required.
- **Selective reporting of antimicrobials is being followed in our hospital to curb the usage of high end antimicrobials.**

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 condition of the patient.*

Hand Hygiene Compliance

In 2021, we have achieved hand hygiene compliance ranging between 81- 87% among the hospital staff, while worldwide the compliance rate is only about 40%. In COVID ICUs, hand hygiene compliance was maintained approximately 78% in 2021. 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 prevention and 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.Siddartha 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).

The following meetings are conducted regularly for overall betterment of the patient care.

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| S.No. | Nature of the meeting | Schedule |
|-------|--|--|
| 1 | Grand Rounds Review meeting | Every Tuesday (9.30 AM) |
| 2 | Infection Control Committee | 1st Tuesday (2-3 PM) |
| 3 | Dr YSR Aarogyasri review meeting | 1st & 3rd Thursday (4-5 PM) |
| 4 | Monthly meeting Administrative Heads | 2nd Wednesday (3-4 PM) |
| 5 | Monthly meeting Faculty Heads | 2nd Friday (3-4 PM) |
| 6 | Sri Venkateswara Pranadana Meeting | Last Thursday of every month (11 to 12 Noon) |
| 7 | Institute Ethics Committee meeting | 2nd Monday (3-4 PM) |
| 8 | Hospital Blood Transfusion Committee meeting | 1st Friday (3-4 PM) |
| 9 | Pharmaco Vigilance committee | 1st Friday (3-4 PM) |
| 10 | Pharmacy and Therapeutics committee | 1st Friday (3-4 PM) |
| 11 | Mortality and Morbidity meeting | 1st Tuesday & 3rd 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 | 1st and 3rd Thursday (10-11 AM) |

1.13 New Facilities and services added:

- 1) The SVIMS - Sri Padmavathi Medical College for Women (SVIMS-SPMCW) hospital, is designated as "State COVID-19" Hospital
- 2) Established IVR call and SMS reminder for dialysis patient appointment.



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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 pharmacology had organized 3rd Andhra Pradesh Pharmacologists Society Conference (APPSCON-2021) on 19th & 20th November 2021.
2. The department of Pharmacology had organized a workshop on topic: Pharmacovigilance and Reporting of Adverse Drug Reactions on 22nd December 2021.

2.0 Guest Lectures:

1. Department of Biotechnology has organized a guest lecture by Dr Sreedhara R VOLETI, CEO, ASPIRE – Bio NEST School of Life Sciences, University of Hyderabad on topic: Outreach of BIRAC Projects on Innovative and Translational on 2nd January 2021.
2. Department of Psychiatry has organized a guest lecture by Dr M. Ganesh Kumar, Assistant Professor at Sri Padmavathi Auditorium on topic: Stress and Burnout in Medical Professionals and Coping Strategies on 10th June 2021.
3. Department of Radiology has organized a guest lecture by Dr V. Shriram, MBBS, MD, DM, MSc working as consultant Neuroradiologist, KMCH, Coimbatore, Tamil Nadu on topic: Value and Evidence based Neuroimaging in clinical practice on 14th December 2021

3.0 CME Programme:

| S.No | Topic | Speakers |
|----------|--|---|
| 1 | Depts. of Physiology, Pathology and Forensic Medicine on 30.01.2021 | |
| | Physiology of Large Intestine | Dr N. Sharvani, Associate Professor, Dept. of Physiology, SVIMS, SPMC(W). |
| | Current Challenges in Colorectal Cancer | Dr M. Alekhya, Assistant Professor, Dept. of Pathology, SVIMS. |
| | Medico Legal Aspects of Abdominal Injuries | Dr K. Jyothi Prasad, Associate Professor, Dept. of Forensic Medicine, SVIMS, SPMC(W). |
| 2 | Depts. of ENT, Ophthalmology and Dentistry on 06.02.2021 | |
| | Computer Vision Syndrome | Dr V. Krishna Murthy, Professor, Dept. of Ophthalmology, SVIMS SPMC(W), Tirupati |
| | Aerosols in Dentistry | Dr D.S. Madhubabu, Professor, Dept. of Dentistry, SVIMS SPMC(W), Tirupati |
| | CSF Rhinorrhoea | Dr P. Bhanu Pradeep, Assistant Professor, Dept. of ENT, SVIMS SPMC(W), Tirupati |

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| S.No | Topic | Speakers |
|----------|--|---|
| 3 | Depts. of Endocrinology, Biochemistry and Pharmacology on 13.03.2021, Topic: Fundamental Concepts in Thyroidology Revisited | |
| | Introduction | Dr Aparna Bitla, Professor & HOD, dept. of Biochemistry, SVIMS, Tirupati. |
| | Biochemistry of thyroid hormones | Dr T. Silpa, Assistant Professor, dept. of Biochemistry, SVIMS, Tirupati. |
| | Thyroid function tests & their interpretation | Dr V. S. Kiranmayi, Associate Professor, dept. of Biochemistry, SVIMS, Tirupati. |
| | The effects of drugs on tests of thyroid function | Dr C. Pallavi, Assistant Professor, dept. of Pharmacology, SVIMS-SPMCW, Tirupati. |
| | Non thyroidal illness syndrome | Dr Avinash Patil, Assistant Professor, dept. of Endocrinology, SVIMS, Tirupati. |
| | Subclinical Hypothyroidism: to treat or not to treat | Dr A. Sailaja, Endocrinology Consultant, Tirupati. |
| | Closing remarks | Dr Alok Sachan, Professor & HOD, dept. of Endocrinology, SVIMS, Tirupati. |
| 4 | Dept. of Emergency Medicine on 03.04.2021 | |
| | Primary and Secondary Survey in Trauma | Dr Rohith Gupta, Assistant Professor, Dept. of Emergency Medicine, SVIMS, Tirupati |
| 5 | Dept. of Clinical Virology on 08.10.2021 | |
| | Project objects and goals | Dr Usha Kalawat, project Nodal Officer, Prof. & Head, Dept. of Clinical Virology, SVIMS |
| | Rabies in Humans | Dr Alladi Mohan, Dean & Professor & HOD Dept. of Medicine, SVIMS |
| | Rabies in Animals | Dr D Rani Prameela, Professor and Head, SLDL, SVVU, Tirupati |
| | National Rabies Control Programme | Dr K. Nagaraj, Professor and Head Dept. of Community Medicine, SVIMS, Tirupati |
| | Quiz for MBBS Students | |
| 6 | Depts. of Anatomy, Surgical Gastroenterology and General Surgery on 06.11.2021, Topic: Stone Diseases of Hepatobiliary System | |
| | Regional & Applied Anatomy of Biliary Tract | Dr J. Vasudeva Reddy, Professor, Department of Anatomy, SVIMS, SPMC(W). |
| | Cholelithiasis | Dr Mutheeswaraiyah Y, Professor & HOD, Department of General surgery, SVIMS, SPMC(W). |
| | Choledocholithiasis | Dr Chandramaliteeswaran C, Associate Professor, Department of Surgical Gastroenterology, SVIMS |

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| S.No | Topic | Speakers |
|------|--|--|
| | Hepatalithiasis | Dr Venkatarami Reddy V, Professor & HOD, Department of Surgical Gastroenterology, SVIMS |
| 7 | Depts. of Nuclear Medicine and Radiology on 04.12.2021, Topic: Imaging in Parkinsonian Syndrome | |
| | Structural Imaging in Parkinsonian Syndrome | Dr A.Y. Lakshmi, Professor , Dept. of Radiology, SVIMS |
| | Imaging the Substantia Nigra in Parkinsonian Syndrome | Dr S. Sarala Professor , Dept. of Radiology, SVIMS |
| | Role of Nuclear Medicine in Parkinsonian Syndrome | Dr N. Ajit, Senior Resident, Dept. of Nuclear Medicine, SVIMS |

Coverage of CME's



A CME was jointly organised by the Depts. of Physiology, Pathology and Forensic Medicine on 30.01.2021 on the topics: Physiology of Large Intestine, Current Challenges in Colorectal Cancer & Medico Legal Aspects of Abdominal Injuries.



A CME was jointly organised by the Depts. of ENT, Ophthalmology and Dentistry on 06.02.2021 On the topics: Computer Vision Syndrome, Aerosols in Dentistry & CSF Rhinorrhoea.

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A CME was jointly organised by the Depts. of Endocrinology, Biochemistry and Pharmacology on 13.03.2021 on the topics: Introduction, Biochemistry of thyroid hormones, Thyroid function tests & their interpretation, The effects of drugs on tests of thyroid function, Non thyroidal illness syndrome, Subclinical Hypothyroidism: to treat or not to treat & Closing remarks.



A CME was organised by the Dept. of Clinical Virology on 08.10.2021 on the topic: Project objects and goals, Rabies in Humans, Rabies in Animals & National Rabies Control Programme.



A CME was jointly organised by the Depts. of Anatomy, Surgical Gastroenterology and General Surgery on 06.11.2021, Topic: Stone Diseases of Hepatobiliary System.



A CME was jointly organised by the Depts. of Nuclear Medicine and Radiology on 04.12.2021, Topic: Imaging in Parkinsonian Syndrome.

5.0 Clinical Meetings 2021 :

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 2021 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 | 02.01.2021 (Saturday) | Microvascular Complications among patients with type 1 diabetes Mellitus | Dr B.P.Varma | Endocrinology | Spotter | Dr M. Usha Brindhini | OBG |
| 2 | 07.01.2021 (Thursday) | Constrictive Pericarditis in Juvenile Idiopathic Arthritis, A Rare Extra Articular Manifestation | Dr K. Sirisha | Rheumatology | - | - | - |
| 3 | 09.01.2021 (Saturday) | Role of cryosurgery in the surgical management of Nasoalveolar cyst | Dr P. Bhanu Pradeep | ENT | Spotter | Dr G.V.V. Prasad Reddy | Surgical Oncology |
| 4 | 18.01.2021 (Monday) | An Autopsy study of Deaths due to hanging with emphasis on ligature material and periligature injuries | Dr B. Rupesh Kumar NaiK | Forensic Medicine | Spotter | Dr K. Rajiv Gandhi | Medical Oncology |
| 5 | 21.01.2021 (Thursday) | - | - | - | Role of convalescent plasma in Treating infectious diseases | Dr G. Sandhya | Transfusion Medicine |
| 6 | 23.01.2021 (Saturday) | Effect of Antecolic or Retro-colic Gastro jejunostomy on delayed gastric emptying after pancreaticoduodenectomy | Dr Lokesh Arora | Surgical GE | Spotter | Dr P. Prabhanjan Kumar | Ophthalmology |
| 7 | 28.01.2021 (Thursday) | Case Presentation | Dr C. Sunil Kumar | Medicine | - | - | - |
| 8 | 04.02.2021 (Thursday) | - | - | - | Alpha Blockers Monotherapy Vs Alpha Blockers plus Anticholinergics combination therapy in improving the ureteral stent related discomfort | Dr Vaibhao & Dr K . Rakesh Pradeep | Urology |

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| S. No | Date | Research presentation (Saturday)/ Case Presentation (Thursday) | | | Spotters presentation (Saturday)/ Debate Presentation (Thursday) | | |
|-------|---------------------------|--|---------------------|-----------------|---|----------------------|--------------|
| | | Topic | Speaker | Department | Topic | Speaker | Department |
| 9 | 06.02.2021 (Saturday) | A Comparative study between laparoscopic transabdominal preperitoneal repair and Total Extra Peritoneal repair of Inguinal Hernia | Dr Aditya Sarma | General Surgery | Spotter | Dr A. Sreelekha | Pathology |
| 10 | 11.02.2021 (Thursday) | Anaesthetic Management of Anterior Mediastinal Mass | Dr K. Krishna Priya | Anaesthesiology | - | - | - |
| 11 | 13.02.2021 (Saturday) | Novel Mutations in Congenital Erythrocytosis Patients | Dr Chandra Sekhar | Haematology | Spotter | Dr G. Ravindra Kumar | Pharmacology |
| 12 | 18.02.2021 (Thursday) | - | - | - | Anatomy of Inguinal Canal by its applied aspects | Dr I. Vinayaka Naik | Anatomy |
| 13 | 20.02.2021 (Saturday) | Utility of the Tourniquet test and white blood cell count to Differentiate dengue in patients presenting with acute Undifferentiated fever | Dr S. Lavanya | Medicine | Spotter | Dr G. Swetha Rao | Psychiatry |
| 14 | 25.02.2021 (Thursday) | - | - | - | Pre Analytical Errors in Estimation of Serum Calcium | Dr M. Keerthi Thej | Biochemistry |
| 15 | 09.03.2021 (Tuesday) | A Case of paravalvular leak treated with device closure | Dr P.Venkata Harish | Cardiology | - | - | - |
| 16 | 10.03.2021 (Wednesday) | Needle stick Injury Incidence and its root cause analysis in a tertiary care hospital | Dr K. Vineela | Microbiology | Spotter | M. Hari Priya | Physiology |
| 17 | 11.03.2021 (Thursday) | Management of post op A V Fistulas, Pseudoaneurysm & Complications Involving Brachial Artery and Cephalic Vein | Dr I., Uday Kumar | General Surgery | C T Surgery | - | - |

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| S. No | Date | Research presentation (Saturday)/ Case Presentation (Thursday) | | | Spotters presentation (Saturday)/ Debate Presentation (Thursday) | | |
|-------|--------------------------|--|----------------------|------------------|---|-----------------------|--------------------|
| | | Topic | Speaker | Department | Topic | Speaker | Department |
| 18 | 13.03.2021 (Saturday) | A Prospective open label study of clinical profile and out come of patients with acute ischemic stroke receiving intra venous thrombolysis | Dr G. Sateesh | Neurology | Spotter | Dr Shanmugam B | Paediatrics |
| 19 | 18.03.2021 (Thursday) | - | - | - | Health systems research | Dr K. Nagaraj | Community Medicine |
| 20 | 20.03.2021 (Saturday) | A Study of Gonadal function and body composition in adult men with non-diabetic chronic kidney disease (Non-Dialysis dependent stage | Dr M. Raja Amarendra | Nephrology | Spotter | Dr C.V. Praveen Kumar | Plastic surgery |
| 21 | 25.03.2021 (Thursday) | A Challenging Masquerader | Dr Surekha. A | Dermatology | - | - | - |
| 22 | 01.04.2021 (Thursday) | Concept and Rationale of tooth brushing | Dr D.S. Madhu Babu | Dental Surgery | - | - | - |
| 23 | 03.04.2021 (Saturday) | Comparison between oblique lumbar inter body fusion (Olif) and minimally invasive Transforaminal lumbar interbody fusion (Mistlif) for lumbar spondylolisthesis: A randomized controlled trail | Dr.T.Goutham Hanu | Neurosurgery | spotter | Dr S. Sarala | Radiology |
| 24 | 08.04.2021 (Thursday) | - | - | - | Crystalloids Vs Colloids | Dr Sowmya | Emergency Medicine |
| 25 | 10.04.2021 (Saturday) | Role of 18 F-FDG PET/CT in characterizing solid renal mass lesions and treatment planning | Dr K.B. Sricharan | Nuclear Medicine | Spotter | Dr Dinakar | Radiation Oncology |
| 25 | 15.04.2021 (Thursday) | Mature beyond the years | Dr B. Shruthi | Endocrinology | - | - | - |

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| S. No | Date | Research presentation (Saturday)/ Case Presentation (Thursday) | | | | Spotters presentation (Saturday)/ Debate Presentation (Thursday) | | |
|-------|--------------------------|---|-----------------------|----------------------|---|---|----------------------|--|
| | | Topic | Speaker | Department | Topic | Speaker | Department | |
| 26 | 17.04.2021 (Saturday) | A Prospective study – The Maternal & Fetal out come in patient with Hypertensive Disorders complicating Pregnancy | Dr K. R. Ganesh Kumar | OBG | Spotter | Dr K. Sirisha | Rheumatology | |
| 27 | 22.04.2021 (Thursday) | Drug Induced AIHA & DAT Negative AIHA | Dr C. Ravi Kanth | Transfusion Medicine | - | - | - | |
| 28 | 29.04.2021 (Thursday) | - | - | - | Post- Mortem Changes– Time since death | Dr K. Jyothi Prasad | Forensic Medicine | |
| 29 | 01.05.2021 (Saturday) | A Retrospective Analysis of Implications of lymph node positivity and lymph node ratio on survival in node positive women with breast cancer | Dr S. Chaitanya Vani | Surgical Oncology | Spotter | Dr B. Suresh Babu | Transfusion Medicine | |
| 30 | 06.11.2021 (Saturday) | Evaluation of single piece immediate load biocortical screw (BCS) Implants in bone deficient anterior region of upper and lower jaws – A prospective clinical study | Dr C. Narendra Reddy | Dental Surgery | Spotter | Dr Y. Raghunandini | Neurology | |
| 31 | 11.11.2021 (Thursday) | - | - | - | Surgical Anatomy of femoral triangle | Dr D Srivani | Anatomy | |
| 32 | 13.11.2021 (Saturday) | Superficial dermatomycoses a prospective clinico mycological study | Dr A. Surekha | Dermatology | Spotter | Dr K. Chandra sekhar reddy | Neurosurgery | |
| 33 | 18.11.2021 (Thursday) | - | - | - | Markers for covid-19 D – Dimer and IL-6 | Dr Mohammad Arlan | Biochemistry | |
| 34 | 20.11.2021 (Saturday) | Clinical presentation and outcome of postpartum women presenting to emergency department at tertiary care teaching hospital in south India | Dr Sadasiva Raju | Emergency Medicine | Spotter | Dr R Ramya Priya | Nuclear Medicine | |

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| S. No | Date | Research presentation (Saturday)/ Case Presentation (Thursday) | | | Spotters presentation (Saturday)/ Debate Presentation (Thursday) | | |
|-------|--------------------------|--|-------------------------|--------------------|---|--------------------------------|--------------------|
| | | Topic | Speaker | Department | Topic | Speaker | Department |
| 35 | 25.11.2021 (Thursday) | - | - | - | Fractional flow reserve versus angiography for guiding coronary Intervention in multivessel cad | Dr B. Kiran & Dr K. Sriiram | Cardiology |
| 36 | 02.12.2021 (Thursday) | Interesting Neck Swelling | Dr K. Aditya | General Surgery | - | - | - |
| 37 | 04.12.2021 (Saturday) | Study of effect of the treatment on the prevalence and ultrasonological grading of non alcoholic fatty liver disease in patients with hypothyroidism | Dr B. Likhitha | Endocrinology | Spotter | Dr Mrudula C | OBG |
| 38 | 09.12.2021 (Thursday) | - | - | - | COVID-19 Vaccines in India-Current status and way forward | Dr G. Visweswara Rao | Community Medicine |
| 39 | 11.12.2021 (Saturday) | Tonsillectomy and its effect on aso titre | Dr Prerana | ENT | Spotter | Dr Shathak S Baikady | Surgical Oncology |
| 40 | 16.12.2021 (Thursday) | Zinsser – Cole-Engmann Syndrome A Rare case report | Dr R Bhanu Prakash | Dermatology | - | - | - |
| 41 | 18.12.2021 (Saturday) | Analysis of firearm deaths from Hyderabad region – A6-Year Retrospective study | Dr B. Rupesh Kumar Naik | Forensic Medicine | Spotter | Dr V. Ravi Teja Cherukuri | Medical Oncology |
| 42 | 23.12.2021 (Thursday) | Impacted Teeth | Dr C. Narendra Reddy | Dentistry | - | - | - |
| 43 | 30.12.2021 (Thursday) | Nitrobenzene Poisoning Blessy Lois | Dr TS.E. Joy | Emergency Medicine | - | - | - |

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6.0 Clinical Pathological Correlation (CPC) :

The Academic programme on Clinico Pathological Correlation (CPC) is held regularly on every 4th Saturday, the programme is arranged between 8:00 a.m. & 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 2021 are as given below:

| S.No | Date | Topic | Discussant |
|------|------------|---|---|
| 01 | 30.01.2021 | A 15 year old child was brought to Cardiology OPD on 22-Oct-2020 with history of breathlessness, Swelling of legs and abdominal distension. | Dr Chandra Sekhar Reddy, Dept. of Cardiology |
| 02. | 27.02.2021 | A 45 year male patient K/C/O type 2 DM, and CVA 2 yrs back on antiplatelets came with complaints of pain in the abdomen and fever and increased frequency of micturition for the past 10 days. | Dr Arpana Kumar Patel, Dept. of General Surgery |
| 03 | 27.03.2021 | A 53 year gentleman presented with complaints of abdominal pain and blood in urine | Dr M. Shriramya Dept. of Medicine |
| 04 | 24.04.2021 | 29 years old Male, Known case of left testicular carcinoma S/p left high inguinal radical orchidectomy (11/2018) diagnosed with Non seminomatous germcell tumor received 3 cycles of BEP chemotherapy. Patient planned for retroperitoneal lymph. node dissection and evaluated radiologically. Patient underwent ultrasound guided aspiration of left para aortic collection and PCD insertion in 09/2019. Patient underwent laparotomy with partial excision decompression and internal marsupialization in 11/2019. Patient now presented with abdominal distension for 1 week, Pain abdomen for 4 days , Vomiting for 2 days and altered sensorium from 2 days. | Dr K. Prudhvi Raj, Dept. of Surgical GE |
| 05 | 27.11.2021 | A 34-year gentleman, presented with complaints of left loin pain for the past one month. | Dr Murali Dept. of Nephrology |
| 06 | 25.12.2021 | A 53-year-lady, hypertensive for past 2 years, non-diabetic, presented with complaints of generalized weakness of three months duration. | Dr K. Dinesh Kumar Dept. of Emergency Medicine |



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



IV. RESEARCH ACTIVITIES



IV. Research Activities

1.0 Institute Finance

As per section 4 of the act No.12 of 1995, one of the objectives 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. Comparison of effects of dexmedetomidine added to ropivacaine versus ropivacaine alone infiltration scalp block for attenuation of the haemodynamic response to skull pin placement in neurosurgical procedures: A double-blind, randomised clinical trial.

Sahana BN, Radhapuram SD, Samantaray A, Hemanth N, Pasupuleti H, Mangu HR.

Indian J Anaesth 2021;65:782-8.

Background and Aims: Skull pin head holder application is intensely painful and is accompanied with abrupt increase in heart rate and arterial blood pressure. We aimed to determine the effects of adding dexmedetomidine to ropivacaine scalp block in attenuating the haemodynamic response to skull pin insertion in neurosurgical procedures.

Methods: Sixty patients were randomly allocated to receive scalp block with 25 ml of 0.5% ropivacaine added with either normal saline (control group) or dexmedetomidine (1 µg/kg) after anesthesia induction. A standard uniform general endotracheal anaesthesia protocol was followed in all study subjects. Heart rate and blood pressure measurements were made at baseline, 1, 3, 5, 10, and 15 min following skull pin placement. Student's independent *t*-test, Chi-square test and repeated measure

analysis of variance were used to analyse the obtained data.

Results: There was no significant attenuation of heart rate ($P = 0.418$), systolic ($P = 0.542$), diastolic ($P = 0.793$) and mean blood pressure ($P = 0.478$) with addition of dexmedetomidine to ropivacaine. **Conclusions:** The addition of dexmedetomidine (1 µg/kg) to 25 ml of 0.5% ropivacaine offers no additional benefit over 25 ml of 0.5% ropivacaine alone scalp block in attenuating the haemodynamic response to skull pin placement in neurosurgical procedures.

2. Comparison of effect of intraperitoneal instillation of additional dexmedetomidine or clonidine along with bupivacaine for post – operative analgesia following laparoscopic cholecystectomy.

Kaarthika T, Radhapuram SD, Samantaray A, Pasupuleti H, Hanumantha Rao M, Bharatram R.

Indian J Anaesth 2021;65:533-8.

Background and aims: Despite advances in minimally invasive surgery, postoperative pain remains a concern after laparoscopic cholecystectomy. This study aims to compare the effect of intraperitoneal instillation of bupivacaine with alpha-2 agonists (dexmedetomidine and clonidine) for postoperative analgesia. **Methods:** One hundred and eight

patients scheduled for elective laparoscopic cholecystectomy were randomised to receive either 20 mL of 0.5% bupivacaine (Group B), 20 mL of 0.5% bupivacaine with dexmedetomidine 1 µg/kg (Group BD) or 20 mL of 0.5% bupivacaine with clonidine 1 µg/kg (Group BC). Study drug made to equal volume (40 mL) was instilled before the removal of trocar at the end of surgery. Standard general endotracheal anaesthesia with intra-abdominal pressure of 12-14 mm Hg during laparoscopy was followed uniformly. The primary objective of our study was the magnitude of pain. One way analysis of variance (ANOVA) for continuous variables and Chi-square test for categorical variables was used. **Results:** The Numerical Rating Scale (NRS) scores for pain intensity did not show any statistical significance at any of the pre-defined time points. Time to first request for analgesia was shortest in group BC (64.0 ± 60.6 min) when compared to the other groups (B, 78.8 ± 83.4 min; BD, 112.2 ± 93.4 min; $P < 0.05$). Total amount of rescue fentanyl given in groups BD (16.8 ± 29.0 µg) and BC (15 ± 26.4 µg) was significantly less than B (35.7 ± 40.0 µg); $P < 0.05$). **Conclusion:** The addition of alpha-2 agonists to bupivacaine reduces the post-operative opioid consumption, and dexmedetomidine appears to be superior to clonidine in prolonging time to first analgesic request.

3. Clinical profile of hypertensive patients presenting to the emergency department.

Vinayak Y, Mukkara M, Reddy AK, Devi NH, Kumar MR, Jonnakuti R.

J Clin Sci Res 2020;9:224-8.

Background: The clinical profile of patients with hypertension presenting to emergency is understudied and unknown in developing countries like India. **Method:** We prospectively studied the clinical profile, target organ damage, laboratory parameters and imaging parameters in 532 patients with hypertension (461 [86.7%] previously known hypertensives and 71 [13.3%] newly diagnosed hypertensives) presenting to the emergency department at our tertiary care teaching hospital. **Results:** Their mean age was 57 ± 13.2 years; 65.6% were males. Neurological deficits ($n = 164$; 30.8%) were the commonest presenting

symptom followed by chest pain ($n = 143$; 26.9%) and dyspnoea ($n = 109$; 20.5%). Hyponatremia ($n = 188$; 35.3%) and hyperkalemia ($n = 59$; 11.1%). Cerebrovascular accidents were the commonest target organ damage. Higher blood pressure at presentation and at 8 hours were associated with fatal outcomes. **Conclusion:** Target organ damage was higher in known hypertensives with poor drug compliance and higher age groups particularly males. Cerebrovascular accidents were the commonest mode of presentation.

4. Clinical Profile and Outcomes in Patients with Acute Intracerebral Haemorrhage Presenting to the Emergency Department at a Tertiary Care Teaching Hospital, South India.

Subramanyam Penubaku, Madhusudhan Mukkara, Kanchi Mitra Bhargav, Ramesh Chandra V.V., Sadasiva Raju S, Pavan Kumar G., Lakshmi AY.

J Evolution Med Dent Sci 2021;10:1575-82.

Background: World Health Organisation (WHO) defined stroke as rapidly developing clinical signs of focal disturbance of cerebral function, lasting more than 24 hours or leading to death, with no apparent cause other than vascular origin. Prognostic factors for predicting functional outcome and mortality play a major role in determining the treatment outcome. We intended to study the clinical characteristics and outcome of patients with intracerebral bleeding coming to emergency room. **Methods:** Patients more than 18 years of age who were diagnosed to have intracerebral haemorrhage (ICH) on CT brain plain scan were included in the study. Age < 18 years, patients not willing to participate in the study were excluded from the study. Type of clinical presentation, imaging findings, ICH score, and Glasgow coma scale (GCS) score, were calculated for each patient at the time of admission. The condition of the patient, whether death / discharge (alive) was documented in all study population at the time of discharge. **Results:** Hypertension was the most common risk factor present in 68 % of study population. Most of the patients were between 41 - 70 years of age with a male preponderance. High ICH score, low GCS score at the time of admission, presence of intraventricular haemorrhage,

and midline shift (P - value 0.000) were significantly associated with poor clinical outcome. Mortality was high in patients with infratentorial bleed and volume > 40 c.c.

Conclusion: Males in their sixth decade were the most affected in our study on ICH. Cerebellar and brainstem haemorrhages had higher mortality, though putamen is the commonest site of haemorrhage, low Glasgow Coma Scores and high ICH scores were associated with increased mortality.

5. An anatomical study of human mandible in determination of sex by using various morphological and morphometric parameters.

Prathiba K, Sreedevi N, Venkata Ramana C, Vinayaka Naik I.

Indian J Appl Res 2021;2:2249-555.

Determination of sex from unknown human mandible has an important role in forensic field in relevance with Medicolegal issues to trace victim. Aim: To determine the sex of human mandible by using various morphological & morphometric data. Materials and methods: The study was conducted on 82 dry human mandibles of unknown sex. Based on morphological features the mandibles are grouped into Male (50) and Female (32) bones and the following morphometric parameters are taken for further statistical analysis. 1) Symphyseal height 2) Ramus height (Rt) 3) Ramus height (Lt) 4) Bimental width 5) Inter premolar width 6) Inter molar width 7) Bicornoid width. Results: There was a statistically significant difference found in the height of ramus (right), with mean value of $54.84 \pm 4.5\text{mm}$ for males and $50.56 \pm 5.4\text{mm}$ for females ($P < 0.05$), height of ramus (left) with mean value of $53.24 \pm 4.3\text{mm}$ in males and $49.81 \pm 5.03\text{mm}$ in females ($P < 0.05$) and bimental width with mean value of $42.96 \pm 2.6\text{mm}$ in males and $41.58 \pm 1.8\text{mm}$ in females ($P < 0.05$), whereas no significant difference was found in symphyseal height, bicornoid width, inter premolar width and inter molar width of male and female mandibles. The parameters used in this study gave an overall 76.8% accuracy in determining the sex of the mandible. Conclusion: Out of 7 parameters taken into account the interesting observation is that 3 parameters are most reliable and dependable for

determination of sex. Out of these, 2 parameters have given most sensitive data and high accuracy rate for the determination of the gender.

6. Intercellular adhesion molecule-1 is a surrogate biomarker for subclinical atherosclerosis in Type 2 diabetes mellitus.

Sasikala T, M Manohar S, R Bitla A, Sarala S, Vaikkakara S.

Biomark Med 2021;15:121-32.

Aim: We aimed to investigate biomarkers of inflammation, oxidative stress as surrogate markers of subclinical atherosclerosis in patients with Type 2 diabetes mellitus (T2DM). **Materials & methods:** Subjects were grouped based on carotid intima media thickness (CIMT). Group 1: healthy controls (CIMT $< 0.57\text{ mm}$); Group 2: T2DM without subclinical atherosclerosis (CIMT $< 0.57\text{ mm}$); Group 3: T2DM with subclinical atherosclerosis (CIMT $\geq 0.57\text{ mm}$). **Results:** Significantly higher MDA, Hs-CRP, Ox-LDL, PTX-3, IL-6, ICAM-1 and lower FRAP, IL-10 levels in T2DM groups compared with controls ($p = 0.001$). Changes were more significant in Group 3 compared with Group 2. ICAM-1 had the highest sensitivity and specificity at a cut-off value of $> 40.34\text{ ng/ml}$ compared with Ox-LDL and PTX-3 ($p < 0.001$). **Conclusion:** ICAM can be considered as an alternate surrogate biomarker of CIMT.

7. 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 2021;71(1):76-86. doi: 10.1007/s12020-020-02472-5. Epub 2020 Sep 7. Erratum in: *Endocrine* 2020 Oct 13;: PMID: 32895874.

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.

8. Circulating serum micro-ribonucleic acids 155 and 205 before and after surgery in patients with breast cancer.

Rama K, Bitla AR, Hulikal N, Yootla M, Yadagiri LA, Asha T, et al.

J Clin Sci Res 2021;10:91-6.

Background: Micro-ribonucleic acids (miRNAs) are small non-coding RNAs that regulate gene expression. Expression of miRNAs has been shown to be dysregulated

in patients with breast cancer. These markers have been shown to be potential markers of diagnostic significance. We intended to study the usefulness of miRNA-155 and miRNA-205 in monitoring response to surgery by monitoring their pre- and post-operative expression. **Methods:** Twenty patients newly diagnosed with malignant breast disease along with 20 age-matched females not having any breast lesion were included in the study. Reverse transcription-polymerase chain reaction was used to assess the expression of circulating miRNAs. **Results:** MiRNA-155 was found to be significantly upregulated and miRNA-205 was significantly downregulated in patients with breast cancer compared to controls. There was no change in expression of miRNA-155 and miRNA-205 following surgery. **Conclusions:** The findings of the present study do not support the role of miRNA-155 and miRNA-205 as markers suitable for follow-up. However, the findings of the present study need to be confirmed in a larger sample size and samples collected over a defined post-operative period.

9. Intercellular adhesion molecule-1 is a surrogate biomarker for subclinical atherosclerosis in Type 2 diabetes mellitus.

Sasikala T, M Manohar S, Rr Bitla A, Sarala S, Vaikkakara S.

Biomark Med 2021;15:121-32.

Aim: We aimed to investigate biomarkers of inflammation, oxidative stress as surrogate markers of subclinical atherosclerosis in patients with Type 2 diabetes mellitus (T2DM). **Materials & methods:** Subjects were grouped based on carotid intima media thickness (CIMT). Group 1: healthy controls (CIMT <0.57 mm); Group 2: T2DM without subclinical atherosclerosis (CIMT <0.57 mm); Group 3: T2DM with subclinical atherosclerosis (CIMT \geq 0.57 mm). **Results:** Significantly higher MDA, Hs-CRP, Ox-LDL, PTX-3, IL-6, ICAM-1 and lower FRAP, IL-10 levels in T2DM groups compared with controls ($p = 0.001$). Changes were more significant in Group 3 compared with Group 2. ICAM-1 had the highest sensitivity and specificity at a cut-off value of >40.34 ng/ml compared with Ox-LDL and PTX-3 ($p < 0.001$). **Conclusion:** ICAM

can be considered as an alternate surrogate biomarker of CIMT.

10. Serological characterization of auto-antibodies in patients with direct antiglobulin test positive autoimmune haemolytic anaemia at a tertiary care teaching hospital in Tirupati, India.

Chinthapeta Keerthi, Rajendran Arun, Bandi Suresh Babu, Kinnera Vijaya Sreedhar Babu, Alladi Mohan, Chodimella Chandrasekhar, Nandyala Rukmangadha, Suchitra MM.

J Clin Diagn Res 2021;15:EC12-EC15.

Introduction: The outbreak of the Coronavirus disease-2019 (COVID-19) pandemic has a major impact on health care professionals, especially the dental care professionals, who are operating in close contact with their patients.

Aim: To assess the impact of COVID-19 pandemic on dental practitioners in Saudi Arabia in terms of mental status, dental practice changes and financial status.

Materials and Methods: A cross-sectional analytical study was conducted among dental practitioners working in governmental and private sectors in Saudi Arabia from June to August 2020. The data was collected using a self-administered questionnaire which included demographic data, the participants' mental status with a focus on fear and anxiety, changes that occurred on the dental practice due to the pandemic in addition to its impact on the financial status and income. The data was entered and analysed using Statistical Package for Social Sciences (SPSS) version 23.0. Descriptive statistics was calculated and Chi-square analysis was done. **Results:** A total of 156 subjects (95 (60.9%) male and 61 (39.1%) were female) participated in this study. Most of the respondents 122 (78.2%) were concerned about transmitting the infection to people around them, 149 (95.5%) planned to implement face shields in their practice among other practice changes, 104 (66.7%) expressed concern regarding the impact of the pandemic on their future income. Majority of consultants consider that COVID-19 pandemic "negatively affected" their income which was statistically significant ($p=0.028$). Similarly, majority of participants private sector also considered that COVID-19 pandemic "negatively affected/positively affected" their income which was

statistically significant ($p=0.001$). **Conclusion:** During the COVID-19 pandemic, dental practitioners are more affected than other health providers. This is evident by the fear and anxiety, which they are going through and the negative impact of the pandemic, which included drop in their income and limited clinical practice hours due to the deferral of elective treatment.

11. Is low vitamin D levels a risk factor for coronary artery disease.

Sowjanya B, Harini Devi N, Balakrishna D, Balantrapu P.

Int J Contemp Med Res 2021;8:B1-B5.

Introduction: Coronary artery disease (CAD) among Indians has been shown to occur at an early age and is more aggressive, extensive and malignant. In India deaths due to CAD occur in 52.2% as compared to only 22.8% in the developed world. Evolving data is indicating that vitamin D deficiency is playing an important role in genesis of coronary risk. Hence, we proposed to study whether the low Vitamin D levels a risk factor for coronary artery disease. **Material and methods:** This is a cross sectional study conducted in 252 subjects from Narayana Medical College and Hospital, Nellore, Andhra Pradesh. Among 252 subjects, 154 subjects were normal healthy controls (Group I) and 98 were angiographically proven CAD cases (Group II). Biochemical parameters such as Fasting plasma glucose, Fasting Insulin, 25 (OH) vitamin D, Lipid profile, iPTH, hs CRP were measured. HOMA IR and Atherogenic indices were calculated. **Results:** The study findings suggest that among both the groups 84.0% were found to be vitamin D deficient and insufficient, only 16.0% are with vitamin D sufficient levels. HOMA IR was more in CAD subjects as compared to controls. However no statistically significant association was found between 25(OH) D and HOMA IR. **Conclusion:** The present study findings suggests that lower vitamin D level is a risk factor for cardiovascular diseases but only in presence of other risk factors. However, supplementation of vitamin D among control subjects might be beneficial on cardiovascular outcomes.

12. Effect of Correction of Hyperthyroidism with Anti-thyroid Drugs on the Glycated Hemoglobin in Non-diabetic Patients with Primary Hyperthyroidism.

Mani Deepthi D, Vaikkakara S, Patil A, Ganta S, Sachan A, Raghavendra K, Kiranmayi VS, Chowhan AK.

Int J Endocrinol Metab 2021;19:e105751.

Background: Glycated hemoglobin (HbA1c) levels are dependent not only on the average blood glucose levels over the preceding 2 - 3 months but also on the turnover of erythrocytes. Hyperthyroidism is known to be associated with an increase in erythrocyte turnover that may falsely lower the HbA1c in relation to the level of glycemia.

Objectives: To assess the impact of medical correction of hyperthyroidism on HbA1c, independent of changes in the fasting plasma glucose and 2-hour post-oral glucose tolerance test plasma glucose. **Methods:** Adult patients with overt hyperthyroidism (n = 36) were tested for their hemoglobin, reticulocyte percentage, HbA1c and fasting and post-oral glucose tolerance test (OGTT) 2-hour plasma glucose, both at baseline and following at least three months of near normalization of serum thyroxine on Carbimazole treatment. **Results:** Correction of hyperthyroidism in 36 patients was associated with an increase in the hemoglobin (P = 0.004) and a rise in HbA1c (P = 0.025), even though no significant change was observed in both the fasting (P = 0.28) and post OGTT two-hour plasma glucose (P = 0.54). Also, the proportion of patients with HbA1c $\geq 5.7\%$ rose from 3/36 to 10/36; P = 0.016, while the proportion of patients with either abnormal fasting or abnormal post OGTT 2-hour plasma glucose or both did not show any significant change (P = 0.5). The sensitivity of HbA1c to diagnose prediabetes increased from 20% to 50% post-treatment. **Conclusions:** Glycated hemoglobin is falsely low in relation to glycemia in patients with untreated hyperthyroidism.

13. Lipopolysaccharide: An indispensable source for potential targets and therapeutic design against Gram-negative bacteria.

Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Sharon Priya A, Umakanth Naik V, Siva Ranjani P and Umamaheswari A.

J Clin Sci Res 2021;10:233-9.

Gram-negative bacteria show more drug-resistant than Gram-positive bacteria due to unique structural attribute and cause significant morbidity and mortality across the globe. Such characteristic structure is an organelle lipopolysaccharide (LPS) on the outer membrane (OM) of cell wall essential for growth and survival of bacteria. LPS is a major cell wall component formed by dedicated transenvelope multiprotein complexes that shield the underlying peptidoglycan layer and play a key role in host-pathogen interactions with the innate immune system. Moreover, which constitutes the surface-exposed molecules with lipid portion in the outer leaflet of the OM that able to show antibiotic resistance and also responsible for the variety of biological effects associated with bacterial sepsis. LPS synthesis and structure are a conserved subject in infections during bacterial adaptive changes. Such changes ensue immune evasion, prolonged inflammation and augmented antibiotic resistance by working as molecular decoys which titrate the antimicrobials away from its intracellular antibiotic target. Herein, this review summarises the key features of LPS structure, function and biosynthesis. Moreover, it highlights the broad-spectrum conserved targets in the Raetz pathway without an alternative way for LPS biosynthesis vital for the development of novel therapeutic interventions against Gram-negative pathogens.

14. Design of Novel Selective Estrogen Receptor Inhibitors using Molecular Docking and Protein-Ligand Interaction Fingerprint Studies.

Galla Rajitha, Murthi Vidya Rani, Umakanth Naik V, Umamaheswari A.

J Pharm Res Int 2021;33:470-83.

Abstract / Aims: The genomic and non-genomic actions of human estrogen receptor (hER) play a crucial role in

breast epithelial cell proliferation and survival, as well as mammary tumorigenesis. hER α has been proved as a potential target for breast cancer therapy over the last 3 decades. Hence designing novel inhibitors targeting hER α can be a valuable approach in breast cancer therapy. **Study**

Design: In the present study, the goal is to identify novel hER α inhibitors through molecular docking, AI based virtual screening and interaction fingerprint analysis.

Methodology: Molecular docking studies were performed using the human estrogen receptor alpha ligand-binding domain in complex with 4-hydroxytamoxifen (PDB: 3ERT) against existing compounds from literature. The best docked existing compound and co-crystal ligand were subjected to shape screening against 28 million compounds and resulted compounds constituted the hER α inhibitor dataset which was subjected to rigid receptor docking. Further, interaction fingerprint analysis was applied as complimentary method to docking for comparing the similarity of predicted binding poses of proposed leads with that of reference binding pose. **Results:** Co-crystal ligand (4-OHT) and E99 exhibited better binding affinity among existing ligand set. Rigid receptor docking studies resulted in four lead compounds possessing better docking scores than 4-OHT and E99. Moreover, leads showed favorable absorption, distribution, metabolism, excretion and toxicity properties within the range of 95% FDA approved drugs. Proposed leads showed interactions with binding site residues of hER α similar to that of 4-OHT with better binding affinity. The ability of obtained leads to retrieve actives was validated using receiver operative characteristic (ROC) curve. **Conclusion:** From above results, it has been observed that the proposed leads have potential to act as novel hER α inhibitors.

15. In silico trials to design potent inhibitors against matrilysin (MMP-7).

Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Bitla Aparna R, Umamaheswari A

J Biomol Struct Dyn 2021;8:18.

The study deals with structure-based rational drug design against the chief zinc-rely endopeptidase called matrilysin (MMP-7) that is involved in inflammatory and metastasis process of several carcinomas. Hyperactivated matrilysin of human was targeted, because of its hydrolytic actions on extracellular matrix (ECM) protein components constitutes fibrillar collagens, gelatins, fibronectins and it also activates zymogen forms of vital matrix metalloproteinases (gelatinase A-MMP-2 and B-MMP-9) responsible for ECM destruction in many cancers. In the present work, e-pharmacophores were generated for the respective five co-crystal structures of human matrilysin by mapping ligand's pharmacophoric features. During the lead-optimization campaign, the five e-pharmacophores-based shape screening against an in-house library of >21 million compounds created a dataset of 5000 structural analogs. The subsequent three different docking strategies, including rigid-receptor docking, quantum-polarized-ligand docking, induced-fit docking and free energy binding calculations resulted four leads as novel and potent MMP-7 binders. These four leads were observed with good pharmacological features and good receiver operating characteristics curve metrics (ROC: 0.93) in post-docking evaluations against five existing co-crystal inhibitors and 1000 decoy molecules with MMP-7. Moreover, stability and dynamics behavior of matrilysin-lead1 complex and matrilysin-cocrystal ligand (TQJ) complex were analyzed in natural physiological milieu of 1000 ns or 1 μ s molecular dynamics simulations. Lead1-MMP-7 complex was found with an average C α root-mean-square deviation (RMSD) of 2.35 Å, average ligand root-mean-square fluctuations (RMSF) of 0.66 Å and the strong metallic interactions with E220, a key residue for proteolytic action thereby hinders ECM proteolysis that in turn can halt metastatic cancerous condition.

16. A study on MAPK/ERK and CDK2-Cyclin-E signal switch “on and off” in cell proliferation by bis urea derivatives of 1, 4-Diisocyanatobenzene.

Nagalakshamma V, Venkataswamy M, Chiranjeevi P, Uma Maheswari A, Thyaga Raju K, Nagaraju C, Chalapathia PV.

Bioorg Chem 2021;112:104940.

A series of novel substituted bisurea 1,4-Diisocyanatobenzene compounds were designed, synthesized and introduced as potent anticancer compounds and screened for their in vitro anti-proliferative activities in human cancer cell lines. The structures of all titled compounds were characterized using Fourier-transform infrared mass spectra, nuclear magnetic resonance spectroscopy, elemental analysis and evaluated their sustainability using biological experiments. A selected group of ten derivatives were appraised for their anti-proliferative activity. The compounds 3d and 3e displayed potent anticancer activity with low IC₅₀ value of 5.40, and 5.89 μ M against HeLa cancer cell lines. The observed apoptosis data has demonstrated that compounds 3d and 3e induce the activities of caspase-9 and caspase-3, the compounds 3d and 3e regulated fungal zone inhibition. Due to promising growth inhibitions, the all synthesized compounds were allowed to campaign includes quantum-polarized-ligand, quantum mechanical and molecular mechanical, docking experiments. The compounds 3d and 3e have exhibited a higher affinity for ERK/MAP kinase and CDK2 proteins. The molecular docking interactions have demonstrated two stage inhibition of cancer cells by binding with ERK/MAP kinase and CDK2 leads to inactivation of cell proliferation, cell cycle progression, cell division and differentiation, and hypo-phosphorylation of ribosome leading cells to restricts at point boundary of the G1/S phase. The long-range molecular dynamics, 150 ns, simulations were also revealed more consistency by 3d. Our study conclude good binding propensity for active-tunnel of ERK/MAP kinase and CDK2 proteins, by 3d (1,1'-(1,4-phenylene) bis(3-(2-chlorobenzyl)urea)), to suggest that the designed and synthesized 3d is to use as selective novel nuclei in anti-cancer chemotherapeutics.

17. In silico exploration of lignin peroxidase for unraveling the degradation mechanism employing lignin model compounds.

Anil Kumar Singh, Sudheer Kumar Katari, Uma Maheswari A, Abhay Raj

Royal Soc Chem 2021;14632–53.

Lignin peroxidase is a heme-containing biocatalyst, well-known for its diverse applications in the fields from environmental chemistry to biotechnology. LiP-mediated oxidative catalysis is H₂O₂-dependent, and can oxidize phenolic, and non-phenolic substrates by oxidative cleavage of the C–C and C–O bonds of lignin. In contrast to fungi-derived LiP, the binding affinity of bacterial-derived LiP to lignin at the molecular level is poorly known to date. Tremendous wet-lab studies have been unveiled that provide degradation and biotransformation information on kraft lignin, whilst studies on the completely transformed compounds and the degradation of each transformed compounds simultaneously during degradation are scarce. To gain an understanding of the degradation process using docking, and MDS based studies, we assessed the binding affinity of selected lignin model compounds with bacterial origin LiP and validated such docked complexes exploiting 30 ns molecular dynamics simulations. We selected and picked a total of 12 lignin model compounds for molecular modeling analysis, namely two chlorinated lignin model compounds (monomer) (2-chlorosyringaldehyde and 5-chlorovanillin), eight standard lignin model compounds (veratryl alcohol, syringyl alcohol, sinapyl alcohol, methyl hydroquinone, guaiacol, coniferyl alcohol, catechol, and 4-methoxy phenol), while, two 4-O-5, and 7-O-4 linkage-based multimeric model compounds (dimer: 2-methoxy-6-(2-methoxy-4-methylphenoxy)-4-methylphenol; trimer: syringyl 7-O-4 syringyl 7-O-4 sinapyl alcohol). Far more specific binding residues were observed from XP-Glide docking, as TYR, HIP (protonated histidine), PHE, VAL, ASP, THR, LYS and GLN. The binding affinity was confirmed by the Gibbs free energy or binding energy (ΔG) score; furthermore, it is found that the maximum binding energy seems to be observed for 4-methoxyphenol with a Glide score of 73.438 with Pi–Pi stacking and H-bond type bonding interactions, whilst the lowest XP Gscore as 78.136 with Pi–Pi stacking and H-bond (side chain) type bonding interactions were found for the trimer model compound. The docked complexes were further evaluated for deep rigorous structural and functional fluctuation analyses through high-performance molecular dynamics simulations-DESMOND, after a post simulation run of 30

ns. The RMSD trajectory analyses of the protein-ligands were found to be in the equilibrium state at the end of simulation run for multimeric lignin model compounds. In addition, ionic ligand–protein interaction occurs among chlorinated compounds, while hydrophobic and H-bond contacts have frequently been observed in all lignin-model compounds. The findings herein demonstrate that bacterial LiP can effectively catalyze multiple lignin model compounds, and it might further be used as an effective tool for sustainable mitigation of diverse environmental contaminants.

18. 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;68:128-36.

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.

19. 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 2021;67:323-31.

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* LMV3-5 showed higher biofilm units. All these results explain the important role of glutamine biosynthesis with elevated biofilm units in the pathogenesis of *S. aureus*.

20. Andrographolide binds to Spike glycoprotein and RNA-dependent RNA polymerase (NSP12) of SARS-CoV-2 by in silico approach, a probable molecule in the development of anti-Corona viral drug.

Srikanth L, Sarma PVGK.

J Gene Eng Biotech 2021;19:101.

The SARS-CoV-2 belongs to Coronaviridae family infects host cells by the interaction of its spike glycoprotein and angiotensin-converting enzyme 2 (ACE 2) of host cells. Upon entry, the virus uses its RNA dependent RNA polymerase (NSP12) for transcribing its genome to survive in the cell and spread its infection. The protein sequences of receptor-binding domain (RBD) of spike glycoprotein, and NSP12 exhibits high homology in the family of Coronaviridae and are ideal candidates for the development of anti-coronaviral drugs. In the quest to identify inhibitory molecules against these proteins, we searched several molecules that are present in naturally occurring medicinal plants database. Andrographolide which is largely present in the leaf extracts of *Andrographis paniculata* (AP) and is known to exhibit antiviral, antibacterial, and stabilizes Th1/Th2/Th17 responses; taking this clue, we used in silico approaches to see the binding of andrographolide to RBD and NSP12 molecules. Our docking results showed very strong affinity of andrographolide to RBD and NSP12 of the SARS-CoV-2 virus with dock scores of ~ 10.3460 for RBD and ~ 10.7313 for NSP12 indicating andrographolide acts as an inhibitor of RBD and NSP12. These unique properties of andrographolide, AP extract, can be tested as anti-coronaviral drug.

21. Increased insulin and GLUT2 gene expression and elevated glucokinase activity in β -like cells of islets of langerhans differentiated from Human Haematopoietic stem cells on treatment with *Costus igneus* leaf extract.

Surekha K, Sunitha MM, Samundeshwari EL, Sireesha K, Sarma PVGK

Mole Biol Rep 2021; 48:4477-85.

In the quest to understand lost β -cells regeneration in the diabetic condition, we have demonstrated successful differentiation of human haematopoietic stem cells (HSCs) to functional β -like cells. *Costus igneus* (Ci) leaf extract is known to exhibit anti-diabetic properties by lowering the blood glucose level as demonstrated in mice models. To establish the anti-diabetic properties of Ci leaf extract on human subjects, we studied the effect of Ci on these differentiated β -like cells. Ci leaf extract showed its anti-diabetic property through elevated glucokinase activity which catalyzes the rate-limiting step of glucose catabolism in β -like cells and acts as a sensor for insulin production while decreasing the glucose-6-phosphatase activity. Upon increasing the concentrations of Ci leaf extract (25, 65, 105, 145, 185 μ g/ml) and glucose concentrations (5.5, 11.1, and 25 mM) Ci leaf extract treated β -like cells showed enhanced glucokinase and decreased glucose-6-phosphatase activities and an exponential rise in gene expressions of INS and GLUT2 was observed. The present study shows enhanced INS and GLUT2 gene expression and elevated glucokinase activity in β -like cells differentiated from HSCs upon treatment with Ci leaf extract explain the anti-diabetic property of Ci leaf extract. This extract can be effectively used in the management of diabetes.

22. General health check-up of employees aged <40 years at a tertiary care hospital for their health status and to diagnose their health problems.

Vanajakshamma V, Latheef K, Reddy PM, Anusha ND, Rajasekhar D, Prayaga A.

J Clin Sci Res 2021;10:19-24.

Background: The present study was undertaken to screen the employees of a tertiary care hospital aged 40 years to know their health status and to diagnose their new health problems. **Methods:** This cross sectional, descriptive study was conducted with 487 employees of our hospital aged <40 years from November 2019 to February 2020. Study procedures included haemogram, fasting plasma glucose, fasting lipid profile, thyroid profile, renal function test, electrocardiogram (ECG) and abdominal ultrasound for both the genders. For female employees, additionally,

mammograms and pap smears were performed. **Results:** A total of 487 hospital employees were studied. 43.5% were overweight and 17.0% were obese. Of these, 2.8% had abnormal ECG findings. A total of 131 (26.9%) new medical problems were detected. Among these, anaemia (8.0%), hypertriglyceridaemia (5.1%), hypothyroidism (4.5%), hypertension (4.1%) and diabetes mellitus (2.7%) constituted the major diseases. **Conclusions:** This study has proved that the general health check-ups are important to diagnose minor to major health problems at early stages and to treat them properly to cure the problem or to prolong the advancement of the disease.

23. Gender-wise comparative assessment of lifestyle patterns and wellbeing status among healthcare employees at a tertiary care hospital.

Vanajakshamma V, Vyshanavi K, Latheef K, Anusha K, Mounica Reddy P.

Indian J Car Dis Wom 2021;6(1):1-5.

Background: This study was an attempt to assess and compare the gender-wise lifestyle patterns and well-being status among the employees of a tertiary care teaching hospital. **Material and Methods:** This is a cross-sectional, questionnaire-based study conducted at a tertiary care hospital between May and August 2019. A total of 777 employees belonging to both genders (male and female) and working at different professional levels were assessed. All the enrolled employees were subjected to a comprehensive study tool consisting of various dimensions of their health, which included physical, mental, social, spiritual and intellectual health dimensions. **Results:** Among the participants, 327 (42.1%) were male and 450 (57.9%) were female. There was no significant difference in the mean age of male (37.91 ± 7.52) and female (36.85 ± 8.16) employees ($p = 0.07$). A significantly higher proportion of diabetes and hypertension were seen in male employees (9.8% and 14.4%, respectively) than in female (5.6% and 6.2% respectively). The overall well-being was better in male employees than in females and was statistically significant ($p < 0.0001$). We found that male employees had statistically significant better well-being in terms of physical, mental and social health whereas

female employees had intellectual health. **Conclusion:** The overall well-being in healthcare staff was good at our tertiary care hospital, and the outstanding/good well-being rate was higher in male employees than in female employees. Female employees experienced risks with regard to their physical health.

24. Pulmonary artery hypertension in patients on Peritoneal dialysis.

Annaiah E, Sivaparthi K, Sharvani N, Sharan Singh B, Vanajakshamma V, Hemalatha M, Latha C, Sivakumar V.

Saudi J Kidney Dis Transpl 2021; 32(1): 280-3.

Pulmonary arterial hypertension (PAH) is a distinct disease in patients with end-stage renal disease (ESRD) who were on renal replacement therapy [hemodialysis (HD), peritoneal dialysis (PD), transplantation] with discrete demographics, etiologies and manifestations in each group. PAH is gaining importance in patients of chronic kidney disease and ESRD in recent times, because of its significance on morbidity and mortality. The available literature on PAH in ESRD and HD was vast, with an estimated prevalence ranging from 40% to 50% and the frequency of PAH was reported to be higher in HD compared to PD due to the presence of arteriovenous fistula (AVF). Several factors were implicated including anemia, fluid overload, myocardial dysfunction, increased pulmonary blood flow due to shunting across AVF in HD patients, exposure to dialysis membranes, oxidative stress, endothelial dysfunction hyperparathyroidism, with vascular calcification to play a role in the pathogenesis of PAH. However the data on PAH in PD patients is sparse and hence this study was undertaken to analyze our PD patients on the presence and profile of PAH. It was a cross-sectional observational study conducted during a period of three months, at our unit. We screened a cohort of 100 ESRD patients on PD, who were at least on PD for three months and on regular follow-up at our PD unit without any peritonitis in the preceding three months. All the baseline demographic clinical, biochemical parameters were collected in a pro forma and pulmonary hypertension was diagnosed by two-dimensional (2D) echo-

cardiographic measurement by a dedicated cardiologist. A total of 100 patients were included for the study and PAH was defined as mean pulmonary artery pressure greater than 25 mm Hg in our study. The baseline demographic and laboratory parameters of the study population were shown in . The mean age of the patients was 50.4 ± 15 years. The majority of the patients were males (67%) with an average duration of PD of 18.9 months. We have divided our population in diabetics and nondiabetics for subgroup analysis and both of them represented equally in our study (50 each). In total PAH was seen in 59% of the screened patients and among them, diabetics were 41 (69.4%). Comparison of the various clinical, biochemical parameters of patients with PAH and without PAH, it was observed that patients with PAH were more aged and the majority of them were diabetics (69%) and were on longer duration of PD when compared to those without PAH. On 2D echo observations, the mean pulmonary artery pressure of patients with PAH was 40.42 ± 6 mm Hg. On subgroup analysis of PAH between diabetics and nondiabetics it was seen diabetics with PAH were also more aged, on longer duration of PD, but their mean pulmonary artery pressures were high compared to nondiabetics with PAH, which was statistically significant, indicating that PAH is a severe disease in diabetic PD patients. Further it was observed that the elderly had a higher mean pulmonary artery pressure compared to those aged <60 and females with PAH had lower mean serum phosphorus levels compared to males with PAH. We have analyzed the lipid parameters among patients with and without PAH and observed that there was no significant difference between lipid profile in patients with PAH, however dyslipidemia as expressed by atherogenic ratios like total cholesterol/high-density lipoprotein (HDL), non-HDL/HDL, showed a significant correlation with PAH in patients on PD. It was observed that patients with PAH had more right atrial and right ventricular dilatation and associated tricuspid regurgitation as well as significant left ventricular hypertrophy (LVH), left ventricular diastolic dysfunction (LVDD) and more association with heart failure and pericardial effusion on 2D echo. To conclude PAH was observed in 59 % of our studied PD patients. Age, longer duration of dialysis, presence of diabetes,

higher serum urea concentrations, LVH and LVDD on 2D echo were found to be significant risk factors for PAH in patients on PD. Dyslipidemia as expressed by various atherogenic ratios was associated with PAH, hence dietary and pharmacological management of dyslipidemia is of potential benefit in this group of patients. It was also noted that elderly and diabetics with PAH have higher mean pulmonary artery pressure (severe disease) when compared to nondiabetics and patients with age <60 years of age and females with PAH had hypo-phosphatemia. It is prudent to consider regular follow-up with 2D echo examination of this specific group of the population who are predisposed to PAH.

25. Spectrum of Congenital Heart Diseases and its Correlation with Maternal Risk Factors.

Chandana V, Shifa Khanam PM, Latheef K, Vanajakshamma V, Rajasekhar D.

J Pediatr Assoc India 2020;9:105-9.

Objectives: The present study was sought to determine the spectrum of congenital heart diseases (CHDs) and their correlation with maternal risk factors at a tertiary care hospital situated in sub-urban area. **Materials and Methods:** This cross-sectional, observational study was conducted from February 2019 to February 2020. A total of 100 children suspected for CHD were screened and 67 confirmed CHD cases were enrolled into the study. Children having cardiomyopathy, rheumatic heart disease, secondary heart disease, and asymptomatic children were excluded from the study. Detailed history of presenting complaints, pregnancy, family history, consanguinity, and socioeconomic status was documented. Chest X-ray, electrocardiogram, and echocardiography were done to arrive at a definitive diagnosis. All the statistical analyses were performed using the SPSS software version 20.0 (IBM Corp, Somers, NY, USA). **Results:** Majority of the children presented with symptoms in the age group of 1-5 years. Most of the parents of children with CHD were educated up to secondary educational level (34%) followed by illiterate (24%). Economic status of most of the parents was upper lower class (67%). Maternal risk factors were

not observed in 60% (n = 40) of the cases. 41.79% of CHD children were born to consanguineously married couple. Maternal stress was present in 40% of the cases. The most common presenting complaint was lower respiratory tract infection (LRTI in 61%). Murmur was seen in 70% (n = 47) of the cases. Majority of the cases (84%) were acyanotic and cyanosis was present in 16% of the cases. Atrial septal defect (ASD) was the most common which constituted 44.6% in acyanotic heart disease while tetralogy of Fallot (TOF) was the most common with 18.1% in cyanotic heart disease. In both cyanotic and acyanotic CHD groups, majority of the cases had no maternal risk factors (45.5% and 62.5%, respectively). **Conclusion:** The most common types of CHDs in acyanotic and cyanotic CHD groups are ASD and TOF, respectively. Consanguinity, stress during pregnancy, and diabetes mellitus were identified as the major risk factors for CHD. LRTI and shortness of breath were the most common clinical features in children with CHD.

26. Cardiac Myxoma: 10 Years Study of Presentations, Resection and Outcome.

Bhan V, Satyavathi S, Rao K.S, Vanajakshamma, V.

World J Cardiovasc Surg. 2021;11:83-94.

Background: Cardiac myxoma is a very rare heart tumor which presents as life threatening mass in cardiac chamber. The tumor may present with vague symptoms which can lead to delay in diagnosis. **Methods:** 22 patients underwent complete excision of intracardiac myxoma between January 2011 and December 2020. Majority of the patients were females (60%) with mean age of 48.9 years who presented with symptoms of dyspnea on exertion. 3 patients had significant complications due to myxoma. 2 presenting with tumor embolism and limb ischemia while 1 patient presented with pulmonary edema. All patients were diagnosed by echocardiography which helped in evaluation of size and extent of tumor. Majority of patients underwent trans-septal biatrial approach for tumor excision. **Results:** 95% of patients survived the operation. The mean tumor size excised was 5.0 ± 1.6 cm in the largest diameter. 11 patients had sessile tumor while 1 patient had

dumb bell tumor occupying both atria. 15 patients were surviving the operation while 2 deaths happened after 6 years of surgery. **Conclusion:** Cardiac myxomas are rare tumors which can cause severe systemic and cardiac symptoms in patients. Early diagnosis and immediate surgical management give excellent early and long-term results.

27. Left Ventricular Pseudoaneurysms in Children-A Case Series.

Sreevathsa P, Ram D, Munuswamy H, Satyavathi DS, Sai Chandran BV.

World J Pediatr Congenit Heart Surg 2020;11:107-9.

Left ventricular pseudoaneurysms are very rare in children. In children, left ventricular pseudoaneurysms can occur following infection, trauma, ischemia, or cardiac surgery. The authors report a series of three cases treated at our hospital with two of the cases having a history of extrapulmonary tuberculosis and one patient with a history of varicella zoster infection.

28. E6-E7 based nested multiplex PCR assay for genital HPV detection and simultaneous typing of 15 high and low-risk HPV types.

Mudhigeti N, Kalawat U, Hulikal N, Racherla RG.

Indian J Med Microbiol 2021;8:S0255-0857.

Purpose: Due to a wide range of Human Papillomavirus (HPV) types associated with genital cancers; HPV genotyping remains important for the introduction of an appropriate vaccine, disease diagnosis, follow-up and epidemiological surveys. Currently, available molecular genotyping assays are not only expensive but also requires dedicated and expensive equipment which is not feasible in the majority of low-and-middle-socioeconomic countries. The purpose of the study was to develop and evaluated a cost-effective nested-multiplex polymerase chain reaction (NM-PCR) assay for HPV genotyping. **Methods:** HPV-DNA containing plasmids and cervical scrapings from histologically confirmed cervical cancer

cases were used to evaluate the NM-PCR. In the first round PCR, a set of consensus primers were used to amplify 38 mucosal HPV types. HPV Type-specific primers were used in the second-round polymerase chain reaction (PCR) to amplify 15 HPV types in three multiplex cocktails. The assay sensitivity was determined with the control panel containing one to 10^{10} genome equivalents (GE). DNA sequencing was done to confirm the PCR results.

Results: The assay was able to amplify all HPV types and detected as few as 50GE per reaction. A total of 23 endocervical samples obtained from healthy, HPV negative subjects and 52 histologically confirmed cervical scrapings were processed for HPV genotyping by NM-PCR. HPV DNA was detected in all histologically confirmed samples. DNA sequencing results showed complete concordance with PCR results. **Conclusions:** The designed nested PCR based assay had good concordance with clinical histology and sequencing results and appears to be a promising tool for HPV genotyping especially in resource-constrained settings.

29. An Epidemiological Analysis of SARS-CoV-2 Genomic Sequences from Different Regions of India.

Pragya D Yadav, Dimpal A Nyayanit, Triparna Majumdar, Savita Patil, Harmanmeet Kaur, et al.

Viruses 2021;13:925.

The number of Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) cases is increasing in India. This study looks upon the geographic distribution of the virus clades and variants circulating in different parts of India between January and August 2020. The NPS/OPS from representative positive cases from different states and union territories in India were collected every month through the VRDLs in the country and analyzed using next-generation sequencing. Epidemiological analysis of the 689 SARS-CoV-2 clinical samples revealed GH and GR to be the predominant clades circulating in different states in India. The northern part of India largely reported the 'GH' clade, whereas the southern part reported the 'GR', with a few exceptions. These sequences also revealed the presence of single independent mutations—E484Q and N440K—from Maharashtra (first observed in March 2020) and

Southern Indian States (first observed in May 2020), respectively. Furthermore, this study indicates that the SARS-CoV-2 variant (VOC, VUI, variant of high consequence and double mutant) was not observed during the early phase of virus transmission (January–August). This increased number of variations observed within a short timeframe across the globe suggests virus evolution, which can be a step towards enhanced host adaptation.

30. Serotype and genotype diversity of dengue viruses circulating in India: a multi-centre retrospective study involving the Virus Research Diagnostic Laboratory Network in 2018.

Alagarasu K, Patil JA, Kakade MB, More AM, Yogesh B, Newase P, Jadhav SM, Parashar D, Kaur H, Gupta N, Vijay N, Narayan J, Shah PS; VRDL Team.

Int J Infect Dis. 2021 Oct;111:242-252.

Objectives: A retrospective study was undertaken to investigate the circulating dengue virus (DENV) serotypes and genotypes in India in 2018. **Methods:** In total, 4963 samples referred to virus research diagnostic laboratories (n=21), the Indian Council of Medical Research-National Institute of Virology (ICMR-NIV) and ICMR-NIV field units (n=2) for diagnosis of dengue in 2018 were tested using a real-time reverse transcription polymerase chain reaction assay for the presence of DENV serotypes. Representative samples were sequenced for the envelope (E) gene. **Results:** Regional diversity was observed with regard to the dominant circulating serotypes. DENV-2 was found to be the most common serotype in many states. Thrombocytopenia, petechiae and malaise were associated with DENV-2 infection. Phylogenetic analyses of DENV E gene sequences revealed the circulation of genotypes I and V of DENV-1, two lineages of DENV-2 genotype IV, DENV-3 genotype III and DENV-4 genotype I. **Conclusions:** This study found regional differences in the prevalence of circulating DENV serotypes in India, and provides baseline data for continuous molecular surveillance. Molecular surveillance may have implications for predicting large-scale outbreaks of dengue if regional shifts in the predominantly circulating serotypes and

genotypes are detected during the early phase of the dengue season.

31. Evaluation of a New Rapid Antigen Detection Test for the Diagnosis of Influenza Virus Infection in a Tertiary Care Hospital of Southern India.

Harika, Nagaraja, Siddhartha B, Kalawat U

J Clin Diagn Res 2021;15:DC23 - DC28.

Introduction: Rapid antigen testing can help in early diagnosis of Influenza in resource limited settings in patients presenting with Influenza Like Illness (ILI).

Aim: To evaluate the usefulness of Rapid Influenza Direct antigen Testing (RIDT) in comparison to Real Time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR) for diagnosis of Influenza virus infection in clinically suspected patients with ILI in a tertiary care hospital.

Materials and Methods: A prospective observational independent study was done to evaluate RIDT for Influenza virus infection, considering RT-PCR as gold standard. Throat swabs and nasal swabs from patients meeting Category 3 definition of ILI by Ministry of Health and Family Welfare (MoHFW) were collected from 20th July, 2019 to 20th October, 2019 from hospitals in and around the study area. Onsite Rapid test (Biogenix, China) was used as per manufactures instructions for rapid detection of Influenza antigen. Ribonucleic Acid (RNA) extraction was done using Qiagen kit followed by RT-PCR using primer, probes recommended by National Institute of Virology (NIV, Pune) as per their protocols. Data was recorded on a predesigned proforma and managed using Microsoft Excel 2018 (Microsoft Corp, Redmond, WA). The Statistical software MedCalc version 9.1 for Windows was used for data analysis. **Results:** The overall sensitivity of the RIDT was 37.9% and specificity was 94.4%. The Positive Predictive Value (PPV) and Negative Predictive Value (NPV) were 73.3% and 78.8%, respectively. Kappa was calculated to be 0.37 that suggested a fair agreement between RIDT and RT-PCR. When the Cycle threshold (Ct) values were compared to the results of RIDT, there were more false positives at low Ct value and more false negatives at high Ct values. **Conclusion:** The RIDT is not useful in screening during an outbreak in acute care

settings. The negative result of RIDT should be followed up with RT-PCR. With a strong clinical suspicion, it is better to start antivirals than wait for laboratory report in severely ill patients with ILI.

32. 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

Vallepalli C, Srisai O, Nagaraj K.

J NTR Univ Health Sci 2021;10:94-8.

Background: In India, there was an estimated 2.69 million new tuberculosis (TB) cases with 449,700 deaths in 2018 and it continues to be a major public health problem. Diabetes mellitus (DM) and poor glycemic control triple the risk of TB and adversely affect TB treatment outcomes. This study aimed to determine the risk of type 2 DM among TB patients registered under RNTCP using the Indian Diabetes Risk Score (IDRS). **Materials and Methods:** This was a community-based cross-sectional study conducted among 60 TB patients of rural field practice area of a medical college. A pretested semi-structured questionnaire with IDRS was used for the data collection. TB patients were categorized into low-risk, medium-risk, and high-risk categories of developing diabetes using the IDRS. Necessary statistical tests like simple proportions and Chi-square test were applied to test for association between categorical variables. **Results:** Of 60 TB patients, 19 (31.7%) were in high-risk category; 36 (60%) were in the medium risk category and 5 (8.3%) were in low-risk category of developing DM. **Conclusion:** Routine DM screening of TB patients in the community using IDRS is the most cost-effective tool where there are limited resources and infrastructure and also provides an early opportunity to decrease the twin burden of TB-DM.

33. Study of Lifestyle Disease Risk Factors among High School Students in Tirupati: A Base Line Study for Intervention

Visweswara Rao G, Monika CV.

Annal Comm Health 2021;9:108-16.

Background: In the era of rapid epidemiological transition, alike the global scenario, in India, proportional burden of lifestyle diseases is gradually overtaking the infectious diseases. The objectives of the present study were to estimate the prevalence of lifestyle disease risk factors among high school students and to assess the knowledge, attitude, and practice regarding lifestyle disease risk factors among high school students. **Materials and Methods:** The present study is a schoolbased cross-sectional study conducted among high schools of Tirupati for 2 months. Eight hundred high school students were included in the study. Information was collected through a pre-tested semi-structured questionnaire. Information collected was sociodemographic information and lifestyle disease related knowledge was assessed. WHO weight for height standard charts was used to assess their weight for height. Number and percentages were calculated for qualitative data. Mean and standard deviations were calculated for quantitative data. **Results:** There were total 884 students included in the study. Among them 142 (16.06%) were overweight and obese. Private school students (19.4%) were more overweight and obese compared to government school students. Lifestyle diseases are runs in the families. Stress during exams is important risk for lifestyle diseases. **Conclusion:** As age increases the prevalence of overweight and obesity is also increased. Overweight and obese students were more in private schools. Those students with family history of lifestyle disease were more obese and overweight. Those students who experience stress during exams were more obese and overweight.

34. Comparative Study to Assess the Lifestyle Disease Risk Factors among High School Students of Government and Private Schools in Tirupati

Visweswara Rao G, Monika CV, Nagaraj K.

Annal Comm Health 2021;9.

Background: Adolescence is a transitional phase between childhood and adulthood characterized by marked acceleration in growth. The objective of the present study

is to assess the association between type of school and presence of lifestyle disease risk factors among high school students. **Materials and Methods:** The present study is a school-based cross-sectional study conducted among high schools of Tirupati for 2 months. Eighty hundred and eighty-four high school students of both government and private schools were included in the study. Information was collected through a pretested semi-structured questionnaire. Information collected was socio-demographic information and lifestyle disease-related knowledge was assessed. The WHO Weight for height standard charts were used to assess their weight for height. Number and percentages were calculated for qualitative data. Mean and standard deviations were calculated for quantitative data. **Results:** There are total of 884 students of age group 12–16 years were included in the study. Among them, 438 (49.55%) are in private schools and 446 (50.45%) are in government schools. Among all students, only 1.02% (9/884) were smoke tobacco products in the preceding 30 days. Only 2.26% (20/884) of students smoke tobacco products at any time in life. Most of the private school students (53.7%) are doing regular exercise compared to government school students (46.3%). Mean body mass index (BMI) is significantly high among private school students (18.95 ± 4.31) compared to government school students (18.06 ± 3.90). Private school students perceive high stress (61.5% vs. 38.5%) compared to government school students. **Conclusions:** Smoking and consuming tobacco products and alcoholism habits are high among government school students compared to private school students. Habit of taking adverse foods, taking extra salt, and eating in between meals habits are high among private school students. Perceived stress re also high among private school students. Mean BMI, Mean Pulse rate, Mean blood pressure is high among private school students.

35. Study Of Depression Among Elderly In Urban Areas Of Tirupati

Navya Keerthana P, Nagaraj Kondagunta, Visweswara Rao G.

Annals Comm Health 2021;9.

Background and Objectives: Depression in elderly population is a serious public health concern all over the globe, leading to unnecessary suffering, impaired functional status, non-adherence to diet, physical exercise,

excessive use of health-care resources and increased mortality. Therefore, early detection and prompt intervention remains the mainstay to reduce the burden of the disease. Geriatric depression is a mental and emotional disorders affecting elderly adults. Older adults may feel of sadness and oftenly “blue” moods are normal. However, lasting depression is not a typical part of aging. The study aimed to estimate the prevalence of depression among elderly population and to determine the association between socio-demographic factors and depression.

Materials and Methods: 120 elderly individuals were assessed. Geriatric Depression Scale was used to assess the level of depression. Data was analysed using MS Excel 2007 and SPSS version 26 for windows. **Results:** The present study results suggest that most of the elderly population were mild depressives (68.3%) as per GDS scale. About 19.2% were severe depressives and only 12.5% of study population were normal. Twenty-three (13 males and 10 females) were suffering from severe depression. **Conclusion:** Depressive symptoms were positively correlated to Religion and Body Mass Index. But there was no significant association between age, sex, type of family, caste, education, socio economic class and depressive symptoms among study subjects.

36. Clinical profile, prescription patterns, and adverse drug reactions in patients with Vitiligo: a prospective study.

MI, MG, TK, PR SR, AS, Rekha OD, Sharan TR, Balaji A.

Asian J Pharm Clin Res 2021;14:51-5.

Objectives: The objectives of the study were to assess clinical profile (age of onset, age of presentation, gender, site of involvement, severity (stage), type of vitiligo, triggering factors, and associated diseases), prescription patterns (monotherapy, combination therapy, oral, topical, and therapeutic categories of drugs prescribed) and to monitor and report adverse drug reactions (based on World Health Organization [WHO] causality assessment scale) in vitiligo patients. **Methods:** A hospital-based prospective

observational study was carried out by evaluating and assessing the clinical profile and prescription patterns of 85 patients who attended dermatology venereology and leprosy (DVL) outpatient department at Sri Padmavathi Medical College for Women, SVIMS, Tirupati, over a period of 6 months from June 2019 to December 2019.

Results: In our study, forty four (51.77%) patients were female, vitiligo vulgaris is the most common morphological type observed in twenty seven (31.76%) patients. 31–50 years was the predominant age group. The mean age of onset and presentation was 38.35 (standard deviation of 18.37) and 43.27 (standard deviation of 17.96) years, respectively. Forty-one (48.23%) patients were having Stage 1 vitiligo. Fifty (58.85%) patients were having vitiligo at more than 1 site. Twelve (14.11%) patients were having a positive family history of vitiligo. Thirty-seven (43.53%) patients had triggering factors. Associated diseases were found in thirty (35%) patients. Combination therapy was given to sixty one (71.77%) patients. Topical medications were given to fifty two (61.18%) patients. During the study, we did not have a single patient complaining of any adverse drug reaction.

Conclusion: Longer the time after appearance of vitiligo, lesser the number of patients attending follow-up. If vitiligo is diagnosed at the earliest stage, more are the chances for complete repigmentation. Patients with a poor economic background are less bothered about their skin condition and are not using medications properly.

37. A clinico-epidemiological study of Acne vulgaris in tertiary care hospital, SVIMS Tirupati.

Surekha A, Thatiparti Ram Sharan, Keerthi T, Snehasela V, Kiran Kumari J, Ganesh Kumar M.

World J Pharma Res 2021;10:1163-73.

Background: Acne vulgaris is the most common disease of the skin that affects both adolescents and adults most commonly adolescents. It is a chronic inflammatory dermatosis of pilosebaceous unit of the skin. The pilosebaceous follicle characterized by comedones, papules, pustules, nodules, cysts and scars. **Objective:** The objective of the study is to access the burden of the disease associated with Acne Vulgaris for all age groups & Provide

an overview of the Epidemiology, Treatment options, adverse drug reaction monitoring for Acne in the study population of Tertiary care Hospital, SVIMS, Tirupati.

Materials and Methods: A Hospital based prospective observational study was carried out by evaluating and assessing the clinical profiles of 100 patients who attended DVL OPD at Sri Padmavathi Medical College for Women, SVIMS, Tirupati over a period of 6 months from July 2019 to Dec 2019 were included in the study. Patients with multiple skin disorders and steroid induced acne were excluded. The response of the participants was recorded and analysed using SPSS Software. **Results:** In this study among 100 subjects, female (66%) were more affected with acne vulgaris compared to males (34%). Mean age group between 11- 20 years (Mean age 22.20 ± 6.721) with 49%. According to grading, grade II was the most prevalent (59%) followed by grade I (28%) followed by grade III (11%) followed by grade IV (2%). In this study face was the most common site involved. The most common aggravating factor was stress (93%). Other aggravating factors are sun exposure (85%), dietary factors (80%), females with menstrual flare (21%), multiple drug use (18%), dandruff (9%), industrial exposure (2%), other factors (2%). In this study the commonly prescribed drugs are topicals (73%) followed by topical with oral therapy (27%) were prescribed. **Conclusion:** This study brings out the clinical profile of acne vulgaris in tertiary care hospital, SVIMS, Tirupati.

38. Stevens-Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral phenytoin.

Harikrishna J, Pradeep V, Reddy VD, Kumar MK, Surekha A, Devi PS.

J Clin Sci Res 2021;10:115-7.

Stevens–Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN) are rare but lethal manifestation of hypersensitivity reaction precipitated by certain drugs and viral infections. Among the drugs, it is more common with antibiotics, antiepileptics and nonsteroidal anti-inflammatory drugs. We report the case of a 14-year-old male who presented to the medicine out-patient department with a history of fever since the previous day. Four days

before this, he had developed an episode of generalised tonic–clonic seizures and was initiated on oral phenytoin since then. Following admission to the medical intensive care unit, fever persisted on the 2nd day as well. The patient developed a maculopapular rash over face and trunk, ulceration over lips and skin peeling involving $>10\%$ $<30\%$ body surface area suggestive of SJS/TEN overlap syndrome. Oral phenytoin was stopped, and he was started on oral levetiracetam. He was treated with intravenous corticosteroids, topical antibiotics and symptomatic management. The patient recovered, skin lesions subsided and he discharged in a stable condition after 2 weeks of in-hospital stay. The present case documents the rare occurrence of SJS/TEN overlap syndrome as an adverse drug reaction caused by phenytoin. Early identification and stopping of offending drug will aid in better management of the patient.

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

Surekha A, Sajja P, Sridevi K, Kumar GR, Sharan TR.

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.

40. Effect of Correction of Hyperthyroidism with Anti-thyroid Drugs on the Glycated Hemoglobin in Non-diabetic Patients with Primary Hyperthyroidism

Dasari Mani Deepthi, Suresh Vaikkakara, AvinashPatil, Sandeep Ganta, AlokSachan, Katakam Raghavendra, Vinapamula S Kiranmayi, and Amit Kumar Chowhan.

Int J Endocrinol Metab. 2021;19:e105751.

Background: Glycated hemoglobin (HbA1c) levels are dependent not only on the average blood glucose levels over the preceding 2 - 3 months but also on the turnover of erythrocytes. Hyperthyroidism is known to be associated with an increase in erythrocyte turnover that may falsely lower the HbA1c in relation to the level of glycemia.

Objectives: To assess the impact of medical correction of hyperthyroidism on HbA1c, independent of changes in the fasting plasma glucose and 2-hour post-oral glucose tolerance test plasma glucose. **Methods:** Adult patients with overt hyperthyroidism ($n = 36$) were tested for their hemoglobin, reticulocyte percentage, HbA1c and fasting and post-oral glucose tolerance test (OGTT) 2-hour plasma glucose, both at baseline and following at least three months of near normalization of serum thyroxin on Carbimazole treatment. **Results:** Correction of hyperthyroidism in 36 patients was associated with an increase in the hemoglobin ($P = 0.004$) and a rise in HbA1c ($P = 0.025$), even though no significant change was observed in both the fasting ($P = 0.28$) and post OGTT two-hour plasma glucose ($P = 0.54$). Also, the proportion of patients with HbA1c $\geq 5.7\%$ rose from 3/36 to 10/36; $P = 0.016$, while the proportion of patients with either abnormal fasting or abnormal post OGTT 2-hour plasma glucose or both did not show any significant change ($P = 0.5$). The sensitivity of HbA1c to diagnose prediabetes increased from 20% to 50% post-treatment. **Conclusions:**

Glycated hemoglobin is falsely low in relation to glycemia in patients with untreated hyperthyroidism.

41. Intercellular adhesion molecule-1 is a surrogate biomarker for subclinical atherosclerosis in Type 2 diabetes mellitus.

Sasikala T, M Manohar S, Rr Bitla A, Sarala S, Vaikkakara S.

Biomark Med. 2021;15:121-32.

Aim: We aimed to investigate biomarkers of inflammation, oxidative stress as surrogate markers of subclinical atherosclerosis in patients with Type 2 diabetes mellitus (T2DM). **Materials & methods:** Subjects were grouped based on carotid intima media thickness (CIMT). Group 1: healthy controls (CIMT <0.57 mm); Group 2: T2DM without subclinical atherosclerosis (CIMT <0.57 mm); Group 3: T2DM with subclinical atherosclerosis (CIMT ≥ 0.57 mm). **Results:** Significantly higher MDA, Hs-CRP, Ox-LDL, PTX-3, IL-6, ICAM-1 and lower FRAP, IL-10 levels in T2DM groups compared with controls ($p = 0.001$). Changes were more significant in Group 3 compared with Group 2. ICAM-1 had the highest sensitivity and specificity at a cut-off value of >40.34 ng/ml compared with Ox-LDL and PTX-3 ($p < 0.001$). **Conclusion:** ICAM can be considered as an alternate surrogate biomarker of CIMT.

42. Pattern of Thoraco-abdominal Injuries Sustained in Road Traffic Accidents: An Autopsy Based Observational Study.

Naik B Rupesh Kumar, Das Siddhartha, Shaha Kusa Kumar.

J Punjab Acad Forensic Med Toxicol 2021;21:168-72.

Introduction: The increase in the number of RTA is caused by the increase in the number of different types of vehicles used on various types of roads. In India we see the transportation system is very weak because of which people started using their own vehicles in cities as well as rural areas by which people's health has been affected. **Aims and Objectives:** To describe the Pattern of TA Injuries in

RTA 2. To identify the association between type of vehicle and TA injuries. **Materials and Methods:** This was a prospective descriptive study done for all the cases of RTA attending to the mortuary with TA injuries for a period of 18 months and were either found dead on arrival or died during treatment. All the victims were autopsied at the post-mortem centre of Jipmer Puducherry. **Results:** In the present study there were 200 road traffic accidents with TA injury in a period of 18 months. Males outnumbered females (81.5 % vs 18.5%) with a ratio of 4.4:1. RTAs are more commonly seen in 30–40 years age group followed by 20–30 years and the least in 0–10 years. In the present study the un-employed n=95 (47.5%), were commonly injured with RTAs subsequently to students (n=50, 25%). Majority of the accidents were occurred during summer season (n=73, 36.5%). In our study most of the accidents occurred in the evening hours 13.00-18.00 (n=62, 31%) followed by 19.00-24.00 hours (n=59, 29.5%). The most common type of vehicle involved is two wheeler vehicle (n=102, 51%), followed by light motor vehicles (n=58, 29.0%). Of all the external injuries abrasion were most common n=176, followed by laceration n=150, contusion n=34 **Conclusion:** Our study displays that RTAs are a foremost concern to human life. Major thing to avoid accidents is the prevention. In order to prevent these RTAs some interventions like restriction of speed, strict implement of helmets, graduate licensing etc. There is a need for government to involve and strictly plan accordingly in a systematic way to reduce the problem in India.

43. A Case Report of a Death Caused by Depression in Custody.

Naik RK, Shaha KK, Chaudhari VA.

Highlights on Medicine and Medical Science 2021;11:69-73.

Prisoners are created, not born. For decades, custodial fatalities have become a thorn in the side of the mistreated police control. A 32-year-old male was found dead inside prison because of depression that he was prisoned. On investigation, a ligature mark above the neck was found

to be suicidal in nature. Proper prisoner care, motivation within the prison, surprise visits from higher officials, and close surveillance by CCTV may all help to avoid suicidal behaviour within the prison. The current instance provides inspiration for police officers to motivate and monitor prisoners in order to prevent suicidal behaviour.

44. Clinical presentation and Renal dysfunction in Supervasol 33™ poisoning.

Naik RK, Patra AP.

J Indian Soc Toxicol 2021;17:21-3.

Supervasol 33™ an emulsion based hair dye containing paraphenylenediamine and various other ingredients. A 20 year old female was admitted to the hospital as emergency case to our hospital with difficulty in speech, decreased urine output, facial swelling, and bilateral stiffness of lower limbs. Laboratory investigations revealed renal failure. Expired at 5th day of admission in morning hours 6.00 am after constant resuscitative efforts. On autopsy all visceral organs were congested. Here we are reporting a case of intentional ingestion of Supervasol 33™ hair dye.

45. Serum Procalcitonin Versus Crp Levels As Early Diagnostic Markers Of Sepsis In Cancer Patients With Febrile Neutropenia.

Lakshmi Priyadarshini K, Bhargavi D.

Indian J App Res 2021;11.

Objective: Procalcitonin as a predictive factor and a diagnostic marker for the diagnosis of sepsis in febrile neutropenic patients in comparison to CRP. **Material & Methods:** This study was conducted in Medical Oncology department, SVIMS from May 2018 to December 2019. Patients were divided into two groups based on presence or absence of sepsis. Baseline characteristics and MASCC score were noted. PCT value >0.25ng/ml was taken as positive. CRP value > 6 mg/dl in serum was taken as positive. Cancer using Independent Student's t-test **Statistical Analysis:** Differences between the groups

were tested for statistical signi & Fischer's exact nd out the relationship between MASCC score, test for continuous and categorical data respectively. Pearson correlation test was performed to city, PPV and nd out the Sensitivity, Speci CRP and Procalcitonin. Receiver Operator Characteristic (ROC) curve analysis was performed to NPV. **Results:** Mean CRP in sepsis vs non sepsis is 129.69 ± 11.64 vs 85.73 ± 11.22 ($p = < 0.05$). Mean PCT in sepsis vs non sepsis is 22.20 ± 5.18 vs 3.53 ± 2.53 ($p = < 0.05$). ROC curve analysis suggestive of PCT had more sensitivity (81.4% vs 67.4%) and city specificity when compared to CRP (90.0% vs 67.5%). On correlation MASCC score cantly negatively correlated with PCT was significantly negatively correlated with PCT ($r = -0.594$, $p = < 0.0001$). **Conclusion:** Procalcitonin has more sensitivity and specificity in diagnosing sepsis in FN patients.

46. Extrapulmonary tuberculosis.

Sharma SK, Mohan A, Kohli M.

Expert Rev Respir Med 2021;15:931-48.

Introduction: Tuberculosis (TB) is a major cause of morbidity and mortality globally. Extrapulmonary TB (EPTB) constitutes about 15%-20% of all TB patients, but accounts for 50% among HIV-coinfected. Confirmation of microbial diagnosis of EPTB is usually challenging. Areas covered: Availability of newer imaging modalities like 18FDG-PET-CT and PET-MRI has facilitated precise anatomical localization of the lesions and mapping the extent of EPTB. The use of image- and endoscopy-guided invasive diagnostic methods has made procurement of tissue/body fluids for diagnostic testing possible. With the advent of universal drug-susceptibility testing, a rapid diagnosis of drug-resistance is now possible in EPTB. Drug-susceptible EPTB usually responds well to first-line anti-TB treatment; TB meningitis, bone and joint TB and lymph node TB requires longer durations of treatment. **Expert opinion:** Adjunctive use of corticosteroids in the initial period is recommended in the central nervous system and pericardial TB. Surgical intervention is helpful to obtain tissue samples for

diagnosis. Adjunctive surgical treatment along with medical treatment is useful in treating complications like hydrocephalus, Pott's spine. Follow-up of EPTB patients is crucial as treatment period is usually prolonged, requires recognition of development of immune reconstitution and inflammatory syndrome (IRIS), monitoring of adverse events, serious adverse events like anti-TB drug-induced hepatotoxicity, organ-related complications, and treatment adherence.

47. Serological Characterisation of auto-antibodies in patients with direct antiglobulin test positive autoimmune haemolytic anaemia at a tertiary care teaching hospital in Tirupati, India.

Keerthi C, Arun R, Babu BS, Babu KV, Mohan A, Chandrasekhar C, et al.

J Clin Diagn Res 2021;15(8):EC12-EC15.

Introduction: The outbreak of the Coronavirus disease-2019 (COVID-19) pandemic has a major impact on health care professionals, especially the dental care professionals, who are operating in close contact with their patients.

Aim: To assess the impact of COVID-19 pandemic on dental practitioners in Saudi Arabia in terms of mental status, dental practice changes and financial status.

Materials and Methods: A cross-sectional analytical study was conducted among dental practitioners working in governmental and private sectors in Saudi Arabia from June to August 2020. The data was collected using a self-administered questionnaire which included demographic data, the participants' mental status with a focus on fear and anxiety, changes that occurred on the dental practice due to the pandemic in addition to its impact on the financial status and income. The data was entered and analysed using Statistical Package for Social Sciences (SPSS) version 23.0. Descriptive statistics was calculated and Chi-square analysis was done. **Results:** A total of 156 subjects (95 (60.9%) male and 61 (39.1%) were female) participated in this study. Most of the respondents 122 (78.2%) were concerned about transmitting the infection to people around them, 149 (95.5%) planned to implement

face shields in their practice among other practice changes, 104 (66.7%) expressed concern regarding the impact of the pandemic on their future income. Majority of consultants consider that COVID-19 pandemic “negatively affected” their income which was statistically significant ($p=0.028$). Similarly, majority of participants private sector also considered that COVID-19 pandemic “negatively affected/positively affected” their income which was statistically significant ($p=0.001$). **Conclusion:** During the COVID-19 pandemic, dental practitioners are more affected than other health providers. This is evident by the fear and anxiety, which they are going through and the negative impact of the pandemic, which included drop in their income and limited clinical practice hours due to the deferral of elective treatment.

48. Burden of comorbidities and their treatment in patients with active tuberculosis: A prospective study.

Manolasya V, Katyarmal DT, Suneel Babu TM, Prasad TS, Preethi T, Priyanka B, Robin G.

J Clin Sci Res 2021;10:202-7.

Background: Patients diagnosed to have active tuberculosis (TB) may have co-existing comorbid conditions. Treatment for both conditions may lead to possible drug-related problems. Hence, the present study was designed to understand the incidence and pattern of drug-related problems. This knowledge gives a scope to minimise the occurrence and help patients to adhere to treatment. **Methods:** A prospective observational study was carried out for a period of 6 months. A pre-designed data collection form was used for this study that was used to document clinical data including brief history, laboratory investigations, treatment details and drug-drug interactions (DIs). **Results:** One hundred and five TB patients were enrolled in the study. Their mean age was 43.7 ± 16.8 years. Sixty patients were found to have comorbidities. One hundred and fifty-eight drug-related problems between comorbidities’ treatment regimens and ATT were documented. DIs were the most common drug-related problems. Seventy-nine major DIs and 74 moderate DIs were documented. Nine patients had adverse drug reactions

which were ATT-induced hepatotoxicity, thrombocytopenia and anaemia. **Conclusions:** Co-existence of comorbidities and their treatment resulted in a significant burden on patients who are diagnosed positive for TB. This can lead to treatment delay or failure or default. Strategies and programmes to tackle the burden of comorbid conditions on TB-positive patients are to be developed and implemented aggressively.

49. Stevens–Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral phenytoin.

Harikrishna J, Pradeep V, Reddy VD, Kumar MK, Surekha A, Surya Durga Devi PS, Mohan A.

J Clin Sci Res 2021;10:115-7.

Stevens–Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN) are rare but lethal manifestation of hypersensitivity reaction precipitated by certain drugs and viral infections. Among the drugs, it is more common with antibiotics, antiepileptics and nonsteroidal anti-inflammatory drugs. We report the case of a 14-year-old male who presented to the medicine out-patient department with a history of fever since the previous day. Four days before this, he had developed an episode of generalised tonic–clonic seizures and was initiated on oral phenytoin since then. Following admission to the medical intensive care unit, fever persisted on the 2nd day as well. The patient developed a maculopapular rash over face and trunk, ulceration over lips and skin peeling involving $>10\%$ $<30\%$ body surface area suggestive of SJS/TEN overlap syndrome. Oral phenytoin was stopped, and he was started on oral levetiracetam. He was treated with intravenous corticosteroids, topical antibiotics and symptomatic management. The patient recovered, skin lesions subsided and he discharged in a stable condition after 2 weeks of in-hospital stay. The present case documents the rare occurrence of SJS/TEN overlap syndrome as an adverse drug reaction caused by phenytoin. Early identification and stopping of offending drug will aid in better management of the patient.

50. The forgotten malariologist: Giovanni Battista Grassi (1854–1925).

Chaudhury A.

Trop Parasitol 2021;11:16-8.

The discovery of the mosquito as a vector for malaria parasite was an important discovery at the turn of the 19th century for which Sir Ronald Ross received the Nobel Prize in 1902. Battista Grassi, an Italian physician and a zoologist is also credited with this discovery and he described the species of the mosquito and proved the transmission in healthy human volunteer. Although we remember his name only in this context, he also made numerous other discoveries spanning the fields of protozoology, helminthology, entomology, and zoology.

51. Brahmachari and his battle against Kala-Azar.

Saha P, Chaudhury A, Maji AK, Sir U.N.

Trop Parasitol 2021;11:89-91.

Kala-azar or visceral leishmaniasis was at one time a scourge in the Bengal Presidency of British India comprising the present Indian states of Bengal, Bihar, Assam, and Odisha. The disease was rampant along the Ganga and Brahmaputra River adjoining areas. In the early 1900s, the treatment initiated was by the intravenous injection of tartar emetic, which had a narrow safety level and long-term use was marked with multiple side effects. In 1920, Upendranath Brahmachari discovered urea stibamine, which is the urea salt of para-amino phenyl stibnic acid and it revolutionized the treatment of Kala-azar with >90% cure rate and with minimal side effects. He is also credited with the description of post-kala-azar dermal leishmaniasis. He was conferred the knighthood of the British Empire as recognition of his important contribution. Although his name was twice nominated for Nobel Prize, unfortunately, he never received it.

52. Nasal carriage of antibiotic-resistant staphylococci among undergraduate medical students, with special reference to methicillin-resistant *Staphylococcus aureus*.

V Manyala PV, Chaudhury M, Anagoni S, Pulicherla B, Chaudhury A.

J Clin Sci Res 2021;10:2-8.

Background: *Staphylococcus aureus* and other staphylococci are the commensals of the human body, the anterior nares being an important niche for colonisation. The medical students constitute an important component of the hospital population. Studies of staphylococcal carriage among the medical students are almost non-existent from India. This study was conducted with the primary aim of finding out the nasal carriage of antibiotic-resistant staphylococci among the medical students in our institution. **Methods:** A total of 162 medical students equally divided between the preclinical and clinical batches were the study participants. A nasal swab was collected from the participants and cultured. Suspected colonies were identified as *S. aureus* and antimicrobial susceptibility done by standard methods. The students were also asked to fill up a questionnaire to identify any risk factor associated with staphylococcal carriage. **Results:** The overall colonisation rate was 48.8% for *S. aureus* with 45.7% in the non-exposed pre-clinical students' group to 51.8% in the exposed clinical students' group which was not significant. The carriage rate for methicillin-resistant *S. aureus* was 6.3% among the *S. aureus* isolates. A survey of the risk factors revealed no significant association of hostel stay, family size, previous hospital admission, skin or soft-tissue infection with increased carriage rate. However, a history of previous antibiotic therapy had a significant association with nasal carriage. **Conclusions:** High rates of colonisation with *S. aureus* calls for further detailed multicentric studies with application of molecular methods from India.

53. A surveillance study of multidrug-resistant organisms among clinically significant Gram-negative bacteria in a tertiary care teaching hospital from South India.

Rangineni J, Nukanaboina R, Sharma KK.

J Clin Sci Res 2021;10:25-30.

Background: Sparse published data are available from Andhra Pradesh the burden of multidrug-resistant (MDR) Gram-negative bacteria in clinical specimens.

Methods: We studied the burden of MDR Gram-negative bacteria from among various clinical specimens in our tertiary care teaching institute. **Results:** A total of 6900 isolates were obtained of which 2960 organisms were MDR. *Escherichia coli* were the most frequently isolated Gram-negative species (37%), followed by *Klebsiella* spp. (13.4%). *Pseudomonas aeruginosa*, *Acinetobacter* spp. and *Enterobacter* spp. were the other commonly isolated Gram-negative organisms. High resistance rates were observed for all antimicrobials studied except for cefoperazone-sulbactam (62.6%), meropenem (70%), aminoglycosides (64%) and polymyxin B (98.6%). In spite of high resistant rates (>50%) for ciprofloxacin (80%), cephalosporins (74.4%) and cotrimoxazole (65.7%), the above-mentioned antimicrobials were clinically effective. Extended-spectrum β -lactamase production was one of the significant mechanisms of resistance in our study as β -lactam resistance was 74.4%. **Conclusions:** Our study documents a high proportion of resistant Gram-negative organism isolates. Clinicians should consider this while initiating antibiotic treatment.

54. Epidemiology and Antibigram of Non fermentative Gram negative bacilli isolated from various clinical samples in a tertiary care teaching hospital in South India.

Nagaraju S, Jayaprada R, Ramakrishna N, Sharma KK, Ramana BV

Int J Med Sci Adv Clin Res 2020;3:123-31.

Non-fermentative gram-negative bacilli (NFGNB) are group of aerobic, non-spore bearing bacilli. According to recent studies, these organisms have been increasingly isolated from patients admitted in hospital. This is a prospective study conducted in department of Microbiology from January to March 2018, at SVIMS, a tertiary care teaching hospital, tirupathi. NFGNB were isolated and characterized by various biochemical tests. Antimicrobial sensitivity testing was performed by Kirby Bauer disc diffusion method as per Clinical Laboratory

Standards Institute (CLSI) guidelines 2018. In our study, 220 clinical samples had shown growth of NFGNB. Peak isolation of NFGNB was observed in pus samples (32%) followed by urine (23%). NFGNB isolated were *Pseudomonas* spp (64%), *Acinetobacter baumannii* (18%), *Acinetobacter lwoffii* (14%), *Burkholderia cepacia* complex (BCC) (2%), *Moraxella* spp (1%) and *Stenotrophomonas* spp (0.4%). *Pseudomonas* spp showed a good sensitivity for aminoglycosides, penicillins, and cephalosporins. Imipenem resistance was 22%. The most effective antimicrobial against *Acinetobacter* spp was cefaperazone plus sulbactam. All the NFGNB were 100% sensitive to Polymyxin B. *P. aeruginosa* and *A. baumannii* are the most prevalent NFGNB isolated in our study. Their part as healthcare-associated pathogens is well recognized and implicated in causing clinical conditions like urinary tract infections (UTI), septicemia, Surgical site infections (SSI's), and Ventilator associated pneumonia (VAP). Therefore, speciation of NFGNB, and keeping track of their susceptibility patterns, are essential for proper management of the healthcare associated infections resulted by them.

55. Prevalence and antimicrobial susceptibility pattern of *Acinetobacter* species among various clinical samples in a tertiary care teaching hospital, SVIMS, Tirupathi.

Sneha P, Ramakrishna N, Jayaprada R, Sharma K K.

Int J Sci Res 2020;9.

Multidrug resistance isolates of *Acinetobacter* sp. are increasing due to indiscriminate use of antibiotics in health care settings. The incidence of resistance to broad spectrum antibiotics is increasing and thus posing a therapeutic challenge. All samples were processed and isolates were identified as per standard protocol. 5Antibiotic susceptibility of all isolates was determined by the standard Kirby Bauer disc diffusion method as per Clinical laboratory standards institute (CLSI) guidelines 2017.6 Majority of the *Acinetobacter* sp. were isolated from E.T aspirates (47.3%). In our study *A.baumannii* (65.3%) was the most common species responsible for the infections. Among 150 *Acinetobacter* isolates, 68% of isolates were multidrug resistant organisms, 52% were extended

spectrum beta-lactamase (ESBL) producers and 44% of isolates were carbapenem resistant. To abate antimicrobial resistance, antimicrobials ought to be prescribed sensibly and observational antimicrobial treatment ought to be resolved for every hospital as per institutional antibiogram. Strict adherence to the antibiotic policy and proper implementation of antibiotic stewardship program in coordination with clinicians can reduce emergence of multidrug resistant *Acinetobacter* species which is of great concern.

56. A surveillance study of multidrug-resistant organisms among clinically significant Gram-negative bacteria in a tertiary care teaching hospital from South India.

Rangineni J, Nukanaboina R, Sharma KK.

J Clin Sci Res 2021;10:25-30.

Background: Sparse published data are available from Andhra Pradesh the burden of multidrug-resistant (MDR) Gram-negative bacteria in clinical specimens.

Methods: We studied the burden of MDR Gram-negative bacteria from among various clinical specimens in our tertiary care teaching institute. **Results:** A total of 6900 isolates were obtained of which 2960 organisms were MDR. *Escherichia coli* were the most frequently isolated Gram-negative species (37%), followed by *Klebsiella* spp. (13.4%). *Pseudomonas aeruginosa*, *Acinetobacter* spp. and *Enterobacter* spp. were the other commonly isolated Gram-negative organisms. High resistance rates were observed for all antimicrobials studied except for cefoperazone-sulbactam (62.6%), meropenem (70%), aminoglycosides (64%) and polymyxin B (98.6%). In spite of high resistant rates (>50%) for ciprofloxacin (80%), cephalosporins (74.4%) and cotrimoxazole (65.7%), the above-mentioned antimicrobials were clinically effective. Extended-spectrum β -lactamase production was one of the significant mechanisms of resistance in our study as β -lactam resistance was 74.4%. **Conclusions:** Our study documents a high proportion of resistant Gram-negative organism isolates. Clinicians should consider this while initiating antibiotic treatment.

57. Microbiome and antimicrobial sensitivity pattern of endotracheal secretions in mechanically ventilated patients in ICUs in a tertiary care hospital.

Yamini S, Jayaprada R, Tirumala C, et al.

J Evolution Med Dent Sci 2022;11(01):83-87.

Background: Mechanical ventilation is a life-saving procedure for most patients in ICUs. But it has a risk of acquiring respiratory tract infections resulting in high morbidity and mortality. If not treated early, it may lead to ventilator-associated pneumonia (VAP). Early diagnosis and appropriate antibiotic therapy at right time in the right dosage is essential for better clinical outcome. The objectives of the study were to analyse the microbiomes of endotracheal samples and their antimicrobial susceptibility pattern in mechanically ventilated patients in ICUs and to frame an institution based local antibiotic policy especially for them. **Methods:** A retrospective study was conducted in a tertiary care hospital and sample data was collected which included all adult patients who were mechanically ventilated for various co-morbid conditions in ICUs from January 2019 to December 2019. All the samples were processed for microscopy, culture and antimicrobial susceptibility pattern. **Results:** Among 848 endotracheal samples, 673 (79.4 %) samples were culture positive and 175 (20.6 %) samples were sterile. Most common organism was *Acinetobacter* spp (N=240) followed by *Klebsiella* spp (N=225) and *Pseudomonas* spp (N=97). In our study, polymicrobial infections were 186(21.7 %). Sixty-eight percent of organisms were multidrug-resistant. Carbapenem resistance was 58 %.

Conclusions: The most common complication of mechanical ventilation is an endotracheal infection which in turn leads to prolonged stay in hospital, morbidity and mortality. It is essential to know about the local microbiome and its antibiotic susceptibility pattern

58. Water Drinking Practices in ADPKD Patients: A Questionnaire Based Study.

Alekhyia BN, Varalakshmi B, Lakshmi BS, Manuel MB, Amarendra MR, Naveen K, Sameera NS, Sunnesh A, Ram R, Kumar VS.

Indian J Nephrol 2021;31507-10.

Introduction: Patients with autosomal dominant polycystic kidney disease (ADPKD) who have normal renal function (creatinine clearance, >90 ml per minute per 1.73 m² of body-surface area) might potentially benefit from frequent water intake that would be sufficient to reduce plasma AVP levels and decrease the average urine osmolality, bringing it closer to that of plasma. **Materials and methods:** In this cross-sectional study, the patients of ADPKD, chronic kidney disease stages 1-5 were included. We formed a questionnaire on the dietary recommendation to the patients. The questions enquired whether the patients received the recommendation from the faculty and the postgraduates of the nephrology department that (a) they should consume at least 3000 mL of water per day, (b) that they should not consume coffee and tea, (c) adherence of patients to the advice of the nephrologists. **Results:** Of 294 patients, 142 (48.2%) did not receive any dietary recommendation. The rest 152 (51.7%) were given the appropriate dietary recommendation. Majority of the patients mentioned that they lacked the access to the water when they intend to consume. Despite the advice from the nephrologists, 95 (32.3%) failed to observe the abstinence from coffee and tea. The reason expressed for not quitting coffee and tea was the force of the habit. **Conclusion:** Treating doctors failed to inform 48% of patients the proper diet. Only 20.3% of patients consumed >3.0 litre of water per day. The demand of the agricultural work at a place away from home deprived majority of the participants of the study from the potable water.

59. Cerebral abscess and calvarial osteomyelitis caused by Burkholderia pseudomallei in a renal transplant recipient.

Muthina RA, Koppara NK, Bethasaida Manuel M, Bommu AN, Anapalli SR, Boju SL, Rapur R, Vishnubotla SK.

Transpl Infect Dis 2021;23: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 caused by *B. pseudomallei* in a renal transplant recipient. We treated the patient with ceftazidime for 3 weeks, followed by trimethoprim-sulfamethoxazole (TMP-SMX) 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. The patient had no neurological deficit.

60. Epidemiology of multiple sclerosis in the Sultanate of Oman: A hospital based study.

Al-Senani M, Al-Salti A, Nandhagopal R, AL-Zaawani I, Alkhabouri J, Elyas ME, et al

Mult Scler Relat Disord 2021;53:103034.

Background: The prevalence of multiple sclerosis (MS) has been changing not only globally but also in individual countries. We aim to estimate the prevalence of MS in the Omani population over the period from 2006-2019 as well as the incidence between 2015-2018. **Methods:** This is a retrospective observational hospital-based study. All MS patients diagnosed, as per the revised McDonald criteria, over the period from June 2006 and until May 2019, had their information reviewed for age at disease onset, gender and year of diagnosis. We obtained the population of Oman from the national census data. **Results:** A total of 422 patients were diagnosed with MS during the study period and the population of Oman as per the 2019 census data was 2,652,199. The estimated crude prevalence was 15.9 (95% confidence interval: 14.4 - 17.5) per 100,000 and the female to male ratio was 2.17:1. The mean age at disease onset was 27.3 ± 7.7 (range: 9 - 59) years in which 83% of the patients had the first clinical manifestation at the age of 19 - 40 years, while only 9% had a disease onset at <19 years. The annual incidence increased from 1.00 case per 100,000 in 2015 to 1.38 cases per 100,000 in 2018. **Conclusion:** The prevalence of MS in the Omani population is 15.9 per 100,000 placing Oman as a medium risk zone.

61. Stroke awareness: Knowledge, attitude and health seeking behaviour of rural population attending a tertiary care hospital.

Naveen Prasad SV, Vengamma B, Krishnasai Reddy O, Bhagyalakshmi G, Lahari Reddy K, Chamundeswari G.

World J Pharmaceut Res 2021;10(3):1653-63.

Background: Stroke causes chronic adult disability and mortality with rising incidence in India. Lack of awareness of stroke warning signs and symptoms are significant reasons for delay in seeking medical care. Knowledge on stroke is very important in early detection of stroke. Aim: To assess the knowledge, Attitude and Health seeking behavior of rural population in a tertiary care hospital, SVIMS, Tirupati. **Materials and Methods:** Questionnaire based study was done over 6 months among 200 subjects. The response of the participants was recorded and analyzed using Microsoft, SPSS – 25.0 Software. **Results:** The KAP questionnaires were given to 200 subjects. In this study, 52% subjects were female, mostly in the age group of 41 – 50 years. A term called, stroke? was known to 55.7% and 40% of subjects respectively. Among total subjects 65% subjects from stroke affected family (SAF), 35% subjects from non stroke affected family (NSAF). Paralysis the most recognized symptoms in SAF whereas loss of consciousness and paralysis in NSAF. Hypertension was identified as the most common risk factor for stroke in SAF whereas family history in NSAF. **Conclusion:** Participants from the both SAF and NSAF groups had lesser knowledge about stroke. It is very important and necessary to improve the patient knowledge on stroke by conducting educational programs

62. The Journal of Clinical and Scientific Research: The first decade!.

Vengamma B, Srinivasa Rao P.

J Clin Sci Res 2021;10:1

63. Imaging of Dentate Nucleus Pathologies: A Case Series.

Usha Chowdary MK, Naveen Prasad SV, Satish Gudla, Vengamma Bhuma.

J Neurosci Rural Pract 2022;13:146-50.

The dentate nucleus is the largest cerebellar nucleus, and it controls cognition and voluntary movement. It is found in each cerebellar hemisphere medially and posterolateral to the lateral ventricle. Pathologies of the dentate nucleus can be detected using computed tomography and magnetic resonance imaging of the brain. Here, we present a case series of seven different dentate nucleus diseases and their neuroimaging findings recovered from archives of our institution.

64. Research Article Preparation of ^{177}Lu -PSMA-617 in Hospital Radiopharmacy: Convenient Formulation of a Clinical Dose Using a Single-Vial Freeze-Dried PSMA-617 Kit Developed In-House Hindawi

Guleria M, Amirdhanayagam J, Sarma HD, Rallapeta RP, Krishnamohan VS, Nimmagadda A, Ravi P, Patri S, Kalawat TC, Das T.

Bio Med Res Int 2021;12.

Objective: In the recent time, endoradio nuclide therapy for metastatic castration-resistant prostate carcinoma employing ^{177}Lu -PSMA-617 has yielded encouraging results and several clinical trials with the agent are currently on-going. Routine preparation of ^{177}Lu -PSMA-617 patient doses can be made simpler and convenient, if the ingredients essential for radiolabeling are made available in a ready-to-use lyophilized form. **Methods:** PSMA-617 freeze-dried kit was formulated and used for the preparation of ^{177}Lu -PSMA-617 clinical dose with high radiochemical purity using low/medium specific activity ^{177}Lu . Detailed radiochemical studies were performed to determine the maximum activity and volume of $^{177}\text{LuCl}_3$, which can be added in the kit for the formulation of ^{177}Lu -PSMA-617. Studies were also performed to determine the shelf life of the kit to ensure its long-term usage. Studies were performed in buffer as well as human serum medium to determine the stability of the ^{177}Lu -PSMA-617 complex after storing in respective media up to 7 days post preparation. About ten patient doses of ^{177}Lu -PSMA-617 were administered, and post therapy scans were acquired. **Results:** The formulated freeze-dried kit of PSMA-617 could be radiolabeled with an average percentage radiochemical . The freeze-dried kit was found

suitable for tolerating up to 0.5 mL of $^{177}\text{LuCl}_3$ (in 0.01 N HCl) and specific activity of 555 MBq/g (15 mCi/g) for the preparation of the patient dose of ^{177}Lu -PSMA-617. The ^{177}Lu -PSMA-617 complex prepared using the freeze-dried kit of PSMA-617 was observed to maintain % radiochemical purity (RCP) of and , respectively, even after storing up to 7 days in buffer and human serum, respectively. ^{177}Lu -PSMA-617 prepared using the in-house formulated freeze-dried kit of PSMA-617 exhibited accumulation in metastatic lesions picked up in a pretherapy PET scan. Reduction in number as well as size of lesions was observed in post therapy scans acquired after two months of administering the first therapeutic dose of ^{177}Lu -PSMA-617. **Conclusions:** The freeze-dried kit of PSMA-617 could be used for the preparation of ^{177}Lu -PSMA-617 with high radiochemical purity (>98%) in a reproducible manner. ^{177}Lu -PSMA-617 prepared using the developed kit was successfully evaluated in patients suffering from metastatic prostate cancer.

65. General health check-up of employees aged >40 years at a tertiary care hospital for their health status and to diagnose their health problems.

Vanajakshamma V, Latheef K, Reddy PM, Anusha ND, Rajasekhar D, Prayaga A, Tekchand Kalawat et al.

J Clin Sci Res 2021;10:19-24.

Background: The present study was undertaken to screen the employees of a tertiary care hospital aged >40 years to know their health status and to diagnose their new health problems. **Methods:** This cross-sectional, descriptive study was conducted with 487 employees of our hospital aged >40 years from November 2019 to February 2020. Study procedures included haemogram, fasting plasma glucose, fasting lipid profile, thyroid profile, renal function test, electrocardiogram (ECG) and abdominal ultrasound for both the genders. For female employees, additionally, mammograms and papsmears were performed. **Results:** A total of 487 hospital employees were studied. 43.5% were overweight and 17.0% were obese. Of these, 2.8% had abnormal ECG findings. A total of 131 (26.9%) new

medical problems were detected. Among these, anaemia (8.0%), hypertriglyceridaemia (5.1%), hypothyroidism (4.5%), hypertension (4.1%) and diabetes mellitus (2.7%) constituted the major diseases. **Conclusions:** This study has proved that the general health check-ups are important to diagnose minor to major health problems at early stages and to treat them properly to cure the problem or to prolong the advancement of the disease.

66. Clinical utility of 18fluorodeoxyglucose positron emission tomography-computed tomography in rheumatology.

Kommireddy S, Manthri R, Reddy SA, Ravisankar D, Kalawat T.

J Clin Sci Res 2021;10:97-102.

Background: The present study was undertaken to screen the employees of a tertiary care hospital aged >40 years to know their health status and to diagnose their new health problems. **Methods:** This cross-sectional, descriptive study was conducted with 487 employees of our hospital aged >40 years from November 2019 to February 2020. Study procedures included haemogram, fasting plasma glucose, fasting lipid profile, thyroid profile, renal function test, electrocardiogram (ECG) and abdominal ultrasound for both the genders. For female employees, additionally, mammograms and papsmears were performed. **Results:** A total of 487 hospital employees were studied. 43.5% were overweight and 17.0% were obese. Of these, 2.8% had abnormal ECG findings. A total of 131 (26.9%) new medical problems were detected. Among these, anaemia (8.0%), hypertriglyceridaemia (5.1%), hypothyroidism (4.5%), hypertension (4.1%) and diabetes mellitus (2.7%) constituted the major diseases. **Conclusions:** This study has proved that the general health check-ups are important to diagnose minor to major health problems at early stages and to treat them properly to cure the problem or to prolong the advancement of the disease.

67. Utility of 18F-FDG PET/CT in Management of Pancreatic and Periapillary Masses—Prospective Study from a Tertiary Care Center

Reddy SCT, Krishna Mohan VS, Jeepalem SM, Gupta RM, Kalawat TC, Reddy VV, Hulikal N, Devi BVL.

Indian J Surg Onco 2021. <https://doi.org/10.1007/s13193-021-01434-1>.

Characterizing a pancreatic or periapillary mass lesion as benign or malignant on conventional imaging is difficult due to overlapping morphological features. 18F-FDG PET/CT is a molecular imaging technique with reportedly higher sensitivity and specificity in the differentiation of benign and malignant pancreatic and periapillary masses. In this prospective study, we evaluated the utility of 18F-FDG PET/CT in patients with recently diagnosed pancreatic and periapillary masses. Based on FDG uptake pattern, diffuse or absent uptake was considered benign and focal increased uptake as malignant. Among the 32 patients included in the study, pathological examination confirmed 25 as positive for malignancy and the remaining 7 as benign etiology. Based on FDG uptake pattern, sensitivity, specificity, PPV, NPV, and accuracy of the study were 92%, 42.8%, 85.2%, 60%, and 81.3% respectively. 18F-FDG PET/CT had a statistically significant higher detection rate in the evaluation of regional lymph nodes and distant organ metastases compared to radiological imaging. In 7/25 (14%) malignant cases, 18F-FDG PET/CT detected additional distant metastases which were not detected by conventional imaging and thus resulting in change in management from curative resection to palliative therapy. To conclude, 18F-FDG PET/CT uptake pattern can characterize pancreatic and periapillary masses as benign or malignant with a relatively good accuracy. Using 18F-FDG PET/CT for initial staging of pancreatic and periapillary cancer helps in appropriate staging and optimal selection of treatment modality compared to conventional imaging techniques.

68. F-18 Fluorodeoxyglucose positron emission tomography computed tomography findings in an interesting case of primary caudaequina lymphoma with literature review.

Valaiyapathy NC, Mohan VS, Priya RR, Sarala S, Bhargavi D, Chandra VV.

Indian J Nucl Med 2021;36:425?8.

Primary lymphomatous involvement of spinal cord, nerve roots, and caudaequina is a rare entity and comprises only 0.1% of extra-nodal lymphoma spectrum. Here, we present a case of non-Hodgkin lymphoma involving caudaequina, initially suspected as ependymoma on magnetic resonance imaging that was later confirmed on nerve root biopsy as high B cell non-Hodgkin's lymphoma of L1-S1 nerve roots. F-18 fluorodeoxyglucose positron emission tomography-computed tomography was performed for staging workup which showed abnormal metabolic activity within the spinal canal from D10-S2 with no evidence of distant organ involvement.

69. An uncommon presentation of extrapulmonary tuberculosis masquerading as ovarian malignancy in a young female.

Kommi S, Ajit N, Charan KB, Priya RR, Mohan VS, Kalawat T.

Indian J Nucl Med 2021;36:437?40.

Tuberculosis (TB) is chronic granulomatous infection caused by bacteria, *Mycobacterium tuberculosis*, which primarily involves the lungs. Abdominal TB is an extrapulmonary disease which can mimic malignancy, especially in women with ascites, weight loss, and high cancer antigen-125 levels. Here, we report a case of young female, where clinical and radiological features were suggestive of ovarian malignancy. However, the pattern of uptake on fluorine-18 fluorodeoxyglucose positron emission tomography/computed tomography raised the suspicion of a chronic infectious disease. The final

diagnosis was confirmed as TB by cytology and started on antituberculous treatment. She had a good response and remission of lesions after 4 months of treatment.

70. A case of predominantly chief cell parathyroid adenoma showing early washout of ^{99m}Tc -MIBI detected by single-photon emission computerized tomography-computed tomography (SPECT-CT).

Sricharan KB, Rayudu Amrutha Lakshmi, Krishna Mohan VS, Tekchand Kalawat, Gupta RM, Sai Chandana G, Yootla M.

J Clin Sci Res 2021;10:118-21.

Parathyroid adenoma is a major clinical manifestation of primary hyperparathyroidism, which is usually diagnosed with invasive methods. In most of the cases delayed washout of radio tracer is appreciated on routine parathyroid scintigraphy. Exceptionally in some cases, early washout of tracer is seen which results in false negative parathyroid scintigraphy due to various factors such as expression of p glycoprotein, expression of multidrug resistant protein 1, small glands and presence of chief cells. We present a the case of a patient with parathyroid adenoma showed fast tracer clearance on delayed images but anatomically localized by the additional images using single-photon emission computed tomography-computed tomography (SPECT-CT). The anatomically localized structure further characterized by histopathological examination with presence of abundant chief cells, the cause of poor tracer retention and fast clearance in delayed images. Knowledge about differential presence of chief cells and oxyphilic cells in various parathyroid adenomas must be considered by nuclear physician to avoid false negative parathyroid adenoma.

71. Study of Serum B-hcg and Lipid Profile in second trimester as Predictors of Pre-eclampsia in a Teritiary Care Teaching hospital.

Meghana Puttaswamy, Usha Brindhini Mathialagan, Ramesh Kumar, Rathnamala Desai.

J Res Med Dent Sci 2021;9:432-5.

Introduction: Early diagnosis, close antenatal surveillance, and timely intervention are key to the management of Preeclampsia. Our aim was to study the association of serum β -HCG and lipid profile in second trimester in the development of preeclampsia. **Methods:** 100 pregnant women between 14–20 weeks of gestational age with singleton pregnancy irrespective of parity were selected randomly and serum β -HCG and lipid profile were estimated by chemiluminescent immunometric assay and enzymatic calorimetric test respectively. Regular follow up of cases was done till delivery. Results were analysed statistically. **Results:** Out of 100 women who enrolled in the study 92 women were completely followed till term. Eight women were lost to follow up. Out of 92 cases that completed the study, 14 cases developed pre-eclampsia and 78 remained normotensive. Total cholesterol, triglycerides and LDL values for those women who developed preeclampsia were significantly higher than those who remained normotensive with p value of <0.05 which is statistically significant. Serum β -HCG in preeclampsia group is significantly elevated with p value < 0.05 . **Conclusion:** The present study indicates an increased risk of pre eclampsia in patients with elevated serum β hCG and altered lipid profile in their second trimester. Currently, no screening tests are predictably reliable, valid, and economical; however the above two mentioned tests appear to be good non-invasive early predictors of preeclampsia.

72. Assessment and Alterations in Retinal nerve Fiber Layer Thickness before and following Glaucoma Filtration Surgery Using Optical Coherence Tomography: A Clinical Study.

Vrij Bhushan, Prabhanjan Kumar P, Priyadarshini Rangari

Int J Health Clin Res 2021; 4: 61-3.

Background: Retinal nerve fiberlayer thickness is measured at a 3.5mm distance from the optic nerve head

center. This thickness alteration is present even in absence of vision loss warranting continuous monitoring of the affected eyes. A high correlation is seen between alteration of retinal nerve fiber layer thickness and vision loss, allowing accurate assessment of progression of glaucoma. **Aims:** the present study was conducted to assess the alterations in RNFL (Retinal Nerve Fiber Layer) thickness and intraocular pressure following glaucoma filtration surgery. **Materials and Methods:** 36 subjects were evaluated from both genders and within the age range of 37-64 years and mean age of 53.82 ± 12.94 years. For ocular examination, slit-lamp examination, tonometry, gonioscopy, and fundus examination were done. This was followed by the filtration surgery (trabeculectomy) where a tissue piece was removed in the drainage angle of the eye which made an opening at 0-4 months before and 2-4 months following Glaucoma filtration surgery along with intraocular pressure alteration. The collected data were subjected to the statistical evaluation. **Results:** Significant increase in RNFL thickness for overall quadrant and all individual quadrants ($p < 0.05$). For the temporal quadrant, the RNFL thickness increased from 43.45 ± 14.07 to 46.73 ± 16.69 with $p = 0.067$. In the inferior quadrant, it increased from 53.39 ± 25.77 to 60.92 ± 30.70 ($p = 0.002$) and for the nasal quadrant, it was increased from 47.91 ± 19.30 to 54.47 ± 20.11 ($p = 0.007$). For the overall quadrant, RNFL thickness increased from 52.58 ± 17.38 to 58.50 ± 20.18 with $p = 0.0001$. For age > 50 years and < 50 years, RNFL thickness increased significantly for all age groups and intraocular pressure decreased significantly. In the present study, RNFL thickness was increased for both females and males with reduced intraocular pressure significantly ($p < 0.05$). **Conclusion:** The present study concludes that RNFL thickness increase with a decrease in intraocular pressure following glaucoma filtration

surgery. This increase in thickness was also seen with age and gender.

73. Differential expression of CK7, CK20, CDX2 in intestinal and pancreatobiliary types of prerampullary carcinoma.

Sree UD, Prayaga AK, R. Reddy V V, Rukmanghadha N, Chowhan AK, Phaneendra B V

Indian J Pathol Microbiol 2022;65:42-8.

Context: Incidence of perampullary carcinoma is low, approximately 0.5–2% of all gastrointestinal malignancies. Histologic subtyping has a prognostic bearing. The purpose of this study is to differentiate perampullary carcinomas based on immunohistochemistry (IHC) by using cytokeratin 7 (CK7), cytokeratin 20 (CK20), caudal type homeobox 2 (CDX2). **Aims:** To analyze the usefulness of IHC as single/panel of markers that included CK7, CK20, and CDX2. **Settings and Design:** This was a prospective study done from January 2017 to September 2018. **Subjects and Methods:** A total 50 pancreaticoduodenectomy specimens were evaluated and classified as intestinal (INT) and pancreaticobiliary (PB) types based on their morphological and immunohistochemical features, respectively. The morphologic subtypes, expression of IHC markers were correlated with different histologic parameters. **Statistical Analysis:** Chi-square test was used to study the association between different IHC markers with histologic parameters. Probability (P) values < 0.05 were regarded as statistically significant. **Results:** The expression of CK7, CK20, CDX2 were studied in 50 cases to classify them as INT and pancreatobiliary subtypes. CK7 has high sensitivity (88.2%), CDX2 has high specificity (96.4%), CK20+/CDX2+ has both high sensitivity (94.2 percent) and specificity (89.2 percent) in differentiating INT from pancreatobiliary subtypes. The morphologic subtypes

showed correlation with two variables (tumor grade, pathologic T stage). CK20 and CK20/CDX2 expression showed a positive correlation with tumor grade, pathologic T staging, and lymphovascular invasion. **Conclusions:** In conclusion, morphological classification can significantly discriminate histologic types, IHC plays a moderate role. However, the combined expression of CK20 and CDX2 is helpful in subtyping.

74. Enlargina retroperitoneal mass after chemotherapy in Mixed Germ Cell tumor of Testis. Growing teratoma syndrome.

Shanthi Vissa, Rukmangadha N, Aruna K Prayaga, Venkatarami Reddy V, Swathi B.

Saudi J Pathol Microbiol 2021;6:254-7.

Background: Growing teratoma syndrome is a rare entity characterized by growing tumor mass in different locations (like retroperitoneum, abdomen, pelvis, liver, chest, bone, or lymph nodes) in patients with non-seminomatous germ cell tumors of ovary or testis, during or after chemotherapy. Tumor markers will be normal. Histopathological examination confirms the diagnosis. **Case report:** We report a case of 29 years old male presenting with slow growing retroperitoneal mass after complete treatment for non-seminomatous germ cell tumor of testis. **Conclusion:** Growing teratoma syndrome occurs in patients with non-seminomatous germ cell tumors and have serum tumor markers within normal limits. Early diagnosis of this condition helps for complete curative resection of the tumor for better prognosis.

75. A Perspective Review on Siddha System of Medicine in the Management of Corona Virus Disease 2019.

Radha S, Rajalakshmi SP, Subash K, Samraj K.

J Nat Remedies 2021;21:109-23.

Respiratory Tract Infections (RTIs) are the most common, and potentially most severe, of infections treated by health care practitioners. Lower RTIs along with influenza, are the most common cause of death by infection. The fatality risk is doubled if the person is with other morbid conditions or in extremes of age. These seasonal respiratory infections caused by viruses are of more concern as their spread is very vast than we imagine. COVID-19 (corona virus disease 2019) is such a pandemic respiratory illness caused by severe acute respiratory syndrome corona virus 2 (SARS-CoV-2), a strain of Corona virus. The emerging anti-microbial resistance and easy spread of respiratory pathogens has also increased the challenge for appropriate management of RTI like COVID-19. Drugs with anti-viral property and potency to prevent the comorbidity stand are the need of the hour. This review article includes information on preclinical studies and clinical studies to add a scientific validation to formulations that are commonly used in Siddha system of Medicine. The ingredients of the Siddha drugs possessing anti-viral property and immune-modulatory effect particularly against respiratory pathogens are elaborated. Evidence of anti-viral property has been made out to the light for further clinical trials.

76. Adverse Events Following Immunization to Covid-19 Vaccines in A Tertiary Care Hospital – A Descriptive Study.

Konda VCR, Gokul T, Poojitha M, Rao KU.

Biomed Pharmacol J 2021;14.

Introduction: The pandemic due to Coronavirus disease 2019 (COVID-19) is a major health issue resulting in mortality across the globe. Multiple newer medications are being tried in treatment but with minimal success. The development of vaccines is occurring with unprecedented speed using different platforms with collaborations of academia and the pharmaceutical industries globally. These

vaccines are approved for emergency use authorization by health authorities based on limited data from clinical trials. Hence, there is a need for active surveillance of vaccine recipients to monitor for safety. **Methods:** Adverse drug reaction monitoring centre (AMC) of our institute is actively involved in surveillance of recipients for adverse events following immunization (AEFI) who received vaccines for COVID-19 from the vaccination centre of the institute. As per the guidelines of National Coordinating Centre (NCC), Pharmacovigilance Programme of India (PvPI), designated staff of AMC follows up vaccine recipients over their registered mobile number post-vaccination for AEFI if any. This is a descriptive study of all the AEFI reported to NCC, PvPI between 16th January 2021 and 31st March 2021. **Results:** Of the 5793 doses of vaccination administered during the study period, 59.4% (3443) responded to follow up and 8.6% (299 of 3443) recipients reported 509 AEFI. The most common reported AEFI include fever, generalized body pains, and headache constituting 36.1%, 30.5%, and 18.5% respectively. 64.2% (327 of 509) of AEFI were reported from people younger than 45 years of age. Though females constituted 53.8% (161 of 299) of people who reported AEFI, total number of events reported from this group was 58% (295 of 509). More number of AEFI were observed after first dose of COVISHIELD compared to second dose. **Conclusion:** COVID-19 vaccination drive is rolled out in multiple phases for different age groups across the country. Many vaccinations are being approved for use in general public with limited data from clinical trials. Active surveillance of COVID-19 vaccines for AEFI helps us in further understanding safety issues beyond the clinical trial environment.

77. Effect of smoking on cardiovascular autonomic functions.

Vani P, Sharan B Singh M

Int J Physiother Res 2021;9:3780-4.

Introduction: Cigarette smoking is a prime risk factor for cardiovascular morbidity and mortality. Chronic smoking results in autonomic dysfunction leading to increased cardiovascular risk in smokers. The present study was planned to study the effect of smoking on the Cardiovascular Autonomic Functions among smokers.

Materials and Methods: Fifty male subjects who were in the age group of 25 to 45 years. They were grouped into 25 smokers and 25 non-smokers. The participant subjects were selected among the staff members, residents and the patients from the routine OPD in SVIMS. Prior to study, they were informed about the procedure and the purpose of the study tests and written consents were obtained from them. The Cardiovascular Autonomic Function Tests were assessed by using a POLYGRAPH which was available in the department. **Results and Conclusion:** After applying the 't'-test for the difference between the two sample means, it was observed that there was a highly significant difference between the mean values of the BMI (i.e. $p < 0.01$) and the para-sympathetic function tests among the smokers and the non – smokers (i.e. $p < 0.00$). The Resting Heart Rate had significantly increased and the Deep breathing difference, the postural tachycardial index (Response to standing) and the Valsalva Ratio had significantly decreased in the smokers as compared to those in the non – smokers. After applying the 't'-test for the difference between the two sample means, it was observed that there was no significant difference between the mean values of the Postural hypotension test (i.e. $p > 0.05$) and that there was a highly significant difference between the mean values of the Sustained handgrip test in the smokers and the non – smokers (i.e. $p < 0.00$).

78. Effect of Aging on Postural tachycardial index in healthy Subjects.

Pujitha K, Arpana Bhide.

Int J Physiother Res 2021;9:3789-92.

Introduction: The change in parasympathetic function is generally known physiological changes in aging of man. The present study was intended to evaluate Postural tachycardial index with age. **Aim:** To measure basal parasympathetic activity by using Postural tachycardial index in younger and elderly and to observe the effect of aging on it. **Materials and Methods:** The subjects selected are 120 in number with age group 35 to >65 years of both sex and they are categorized into 4 groups based on their age. Group- I: The age of 35-45 years; Group-II: The age of 45- 55 years; Group-III: The age of 55-65 Years; Group-IV: The age of >65 years. PTI was measured by using ECG machine. **Results:** The examination of parameters body mass index, Heart Rate during resting, immediate standing were estimated for all subjects. The data was analyzed by using descriptive and inferential statistics. **Discussion:** The findings suggested that the mean of PTI decreases statistically in group III and IV. **Conclusion:** This study concluded that due to autonomic dysfunction the PTI decreases with increase in age.

79. Utility of 18F-FDG PET/CT in Management of Pancreatic and Periapillary Masses-Prospective Study from a Tertiary Care Center.

Chandra Teja Reddy S, Krishna Mohan V.S, Sai Moulika Jeepalem, Ranadheer Manthri, Tekchand Kalawat, Venkatarami Reddy V, Narendra Hulikal, Vijaya Lakshmi Devi B.

Indian J Surg Onco 2021;10:13913-21.

Characterizing a pancreatic or periapillary mass lesion as benign or malignant on conventional imaging is difficult due to overlapping morphological features. 18F-FDG PET/CT is a molecular imaging technique with reportedly higher sensitivity and specificity in the differentiation of benign and malignant pancreatic and periapillary masses. In this prospective study, we evaluated the utility of 18F-FDG PET/CT in patients with recently diagnosed pancreatic and

periapillary masses. Based on FDG uptake pattern, diffuse or absent uptake was considered benign and focal increased uptake as malignant. Among the 32 patients included in the study, pathological examination confirmed 25 as positive for malignancy and the remaining 7 as benign etiology. Based on FDG uptake pattern, sensitivity, specificity, PPV, NPV, and accuracy of the study were 92%, 42.8%, 85.2%, 60%, and 81.3% respectively. 18F-FDG PET/CT had a statistically significant higher detection rate in the evaluation of regional lymph nodes and distant organ metastases compared to radiological imaging. In 7/25 (14%) malignant cases, 18F-FDG PET/CT detected additional distant metastases which were not detected by conventional imaging and thus resulting in change in management from curative resection to palliative therapy. To conclude, 18F-FDG PET/CT uptake pattern can characterize pancreatic and periapillary masses as benign or malignant with a relatively good accuracy. Using 18F-FDG PET/CT for initial staging of pancreatic and periapillary cancer helps in appropriate staging and optimal selection of treatment modality compared to conventional imaging techniques.

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

Sriram Naresh, Aparna R. Bitla, Srinivasa Rao PVLN, Alok Sachan, Yadagiri Lakshmi Amancharla.

Endocrine 2021;71:76–86.

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

81. Correlation of three-dimensional computerized tomographic renal parenchymal volumetry with DTPA split renal function in prospective donors-A retrospective study.

PG Kale, GPV Choudary, P Sandeep, AY Lakshmi, VS Kumar, R Mantri.

Indian J Transplant 2021;15: 211.

Introduction: Split renal function (SRF) in prospective renal donors is traditionally measured by means of scintigraphy. Recent studies have reported the utility of three-dimensional computerized tomographic renal volumetry as an alternative to scintigraphy in estimating SRF. As computed tomography (CT) angio is done routinely for donors use of the same CT for estimating renal functions can eliminate the radiation from scintigraphy. **Methods:** In our study, renal volume was estimated on computerized tomographic renal angiography images using Siemens volumetry software by drawing contours manually on images, wherein we found the mean total renal volume to be 212.7 ± 38 CC and mean split renal volume to be $49.76 \text{ CC} \pm 2.86$ and $50.23 \text{ CC} \pm 2.86$ on the right and left side, respectively. **Results:** This split renal volume was corrected to body mass index and surface area wherein we found significant correlation between renal volume and function when both were corrected to body surface area ($P < 0.0001$). **Conclusion:** From our results, it appears that computerized tomographic renal angiography not only depicts anatomy but also can give information about renal function which needs further confirmation.

82. Hepatoid Adeno carcinoma of lung presenting as unknown primary with cervical lymphadenopathy. A rare case report

Anusha G, Subramanian BV, Das P, Kalawat TC, Aruna K Prayaga.

J Clin Diagn Res 2021;5:1-3.

Hepatoid adenocarcinoma is a rare Alpha Fetoprotein (AFP) producing extrahepatic malignant tumour commonly seen in the stomach but can also arise from the ovary, endometrium lung. It is a rare type of adenocarcinoma with hepatocyte like histological differentiation and occurs outside the liver. In the lung, it is often presented as a bulky tumour, highly malignant,

and associated with a poor prognosis. Early diagnosis and appropriate treatment options can result in long term survival. Here, authors reported a case of 58-year-old male patient, with no history of smoking presented as an Unknown Primary (UKP) with cervical and mediastinal lymphadenopathy which was later diagnosed histopathologically and confirmed by Immunohistochemistry (IHC) as Hepatoid Adenocarcinoma Lung (HAL) without any lesion in the lung on Computed Tomography (CT) chest. The serum AFP levels were normal. It expressed IHC markers Cytokeratin (CK7), CDX-2, Hep Par1 positivity, Thyroid Transcription Factor 1 (TTF-1) cytoplasmic positivity, and abnormally raised serum Carcinoembryonic Antigen (CEA). The patient was treated with definitive lower neck and mediastinal irradiation followed by adjuvant chemotherapy with five cycles of three weekly pemetrexed and carboplatin. Post treatment the serum CEA levels are decreasing and attained clinically complete response. The patient was in a close follow-up. To date, the review of literature about HAL didn't showed any case presented as UKP with neck nodes without any lesion in the lung. The purpose of this case report was to present a new case of HAL with nodal metastasis, its unique histological findings, and its approach to diagnosis and treatment.

83. A Rare Clinical Scenario of Central Neurocytoma of Brain among Two Young Adult Patients.

Haripriya G, Das P, Subramanian BV, Rukmangadha N, Lakshmi AY.

J Clin Diagn Res 2021;15 (9):1-2

The Central Neurocytoma (CN) is a rare tumour of brain which is commonly seen in young adults. Two cases, A 24-year-old-male and a 37-year-old-female with CN of the lateral ventricles are reported here. Both patients presented with complaints of headache and seizures with no focal neurological deficits. Gross total excision of tumour was

carried out via right frontoparietal craniotomy. Afterwards, they received adjuvant radiotherapy by Intensity Modulated Radiotherapy (IMRT), 56Gy in 28 fractions for residual lesion. There was marked improvement in terms of tumour response and improvement of patient's performance status and quality of life.

84. Recurrent thymoma mimicking T-Lymphoblastic lymphoma. An unusual case presentation

Sravani K, Das P, Subramanian BV, Kalawat TC, Rukmangadha N.

J Clin Diagn Res 2021;15(10):1-3.

Thymoma and T-Lymphoblastic Lymphomas (T-LBL) are primary mediastinal neoplasms that can have similar clinical presentations and overlapping histological features. Because of immature lymphocytes associated with thymoma, it may resemble T-LBL. In this present case report, a 20-year-old male patient with recurrent unresectable thymoma has received definitive chemoradiation therapy. Significant reduction of gross tumour volume was observed while patient underwent weekly image verification before radiotherapy at the end of fourth week, causing the suspicion about the possibility of a highly radiosensitive tumour in mediastinum like lymphoma or extragonadal germ cell tumour. External review of immunohistochemistry features were suggestive of T-LBL.

85. A systematic review of the resource use of a palliative care approach in adult non-cancer patients with a life-limiting illness.

Gavini Siva and Janke, Katharina and Gadoud, Amy and Salifu, Yakubu.

PROSPERO Int Pros Reg Sys Rev 2020;1-4.

systematic review of the resource use of a palliative care approach in adult non-cancer patients with a life-limiting

illness. PROSPERO 2020 CRD42020191082 Available from: https://www.crd.york.ac.uk/prospero/display_record.php?ID=CRD42020191082 Review question What is the resource use of a palliative care approach in adult non-cancer patients with a life-limiting illness? Specifically, the review has the following objectives: 1. Describe the resource use of a palliative care approach in adult non-cancer patients with a life-limiting illness. 2. Determine the difference in resource use between a palliative care approach and usual care in adult non-cancer patients with a life-limiting illness.

86. Impact of COVID-19 on cancer care in India: a cohort study.

Ranganathan P, Sengar M, Chinnaswamy G, Agrawal G, Arumugham R, Hulikal N.

Lancet Oncol 2021;22:970–6.

Background: The COVID-19 pandemic has disrupted health-care systems, leading to concerns about its subsequent impact on non-COVID disease conditions. The diagnosis and management of cancer is time sensitive and is likely to be substantially affected by these disruptions. We aimed to assess the impact of the COVID-19 pandemic on cancer care in India. **Methods:** We did an ambidirectional cohort study at 41 cancer centres across India that were members of the National Cancer Grid of India to compare provision of oncology services between March 1 and May 31, 2020, with the same time period in 2019. We collected data on new patient registrations, number of patients visiting outpatient clinics, hospital admissions, day care admissions for chemotherapy, minor and major surgeries, patients accessing radiotherapy, diagnostic tests done (pathology reports, CT scans, MRI scans), and palliative care referrals. We also obtained estimates from participating centres on cancer screening, research, and educational activities (teaching of postgraduate students and trainees). We calculated

proportional reductions in the provision of oncology services in 2020, compared with 2019. **Findings:** Between March 1 and May 31, 2020, the number of new patients registered decreased from 112 270 to 51 760 (54% reduction), patients who had follow-up visits decreased from 634 745 to 340 984 (46% reduction), hospital admissions decreased from 88 801 to 56 885 (36% reduction), outpatient chemotherapy decreased from 173 634 to 109 107 (37% reduction), the number of major surgeries decreased from 17 120 to 8677 (49% reduction), minor surgeries from 18 004 to 8630 (52% reduction), patients accessing radiotherapy from 51 142 to 39 365 (23% reduction), pathological diagnostic tests from 398 373 to 246 616 (38% reduction), number of radiological diagnostic tests from 93 449 to 53 560 (43% reduction), and palliative care referrals from 19 474 to 13 890 (29% reduction). These reductions were even more marked between April and May, 2020. Cancer screening was stopped completely or was functioning at less than 25% of usual capacity at more than 70% of centres during these months. Reductions in the provision of oncology services were higher for centres in tier 1 cities (larger cities) than tier 2 and 3 cities (smaller cities). **Interpretation:** The COVID-19 pandemic has had considerable impact on the delivery of oncology services in India. The long-term impact of cessation of cancer screening and delayed hospital visits on cancer stage migration and outcomes are likely to be substantial.

87. A Prospective Single Centre Study of Preoperative Blood Ordering Versus Actual Usage Among Patients Undergoing Elective Curative Oncological Resections in a Tertiary Care Hospital in India.

Inamdar MB, Hulikal N, Banoth M, Reddy V, Kinnera SBV, Mangu HR.

Indian J Surg Oncol 2021;12:491–7.

This study was a prospective, observational study aimed to look at the preoperative ordering schedule, pattern of usage of blood products for elective oncological surgeries in order to develop an institutional maximal surgical blood ordering schedule (MSBOS) in a tertiary university setting teaching Hospital. All biopsy proven, consenting, cancer patients of age 18 to 80 years who underwent elective curative cancer surgery over a period of 1 year were included. Various details such as nature of procedure, preoperative haemoglobin, intraoperative blood loss, duration of surgery, and number of units cross-matched and used were recorded and analysed. For each procedure, cross-match to transfusion (CT) ratio, transfusion index (TI), and transfusion probability (T%) were calculated using standard formulas. In all, 740 patients underwent elective curative cancer surgery in 1 year, majority being women and head and neck cancer being most common site. Overall, 312 patients received blood or component transfusion in the intraoperative and/or postoperative (within 48 h) period constituting 42% of all patients, although 70% of patients had preserved packed cells and 55% had preserved fresh frozen plasma (FFP). Cross-matching of blood was adequate only in cases of liver surgeries, maxillectomy, staging laparotomy for ovarian carcinoma, and urological malignancies with a desirable CT ratio falling within 2.5. An institution specific-MSBOS was developed. The study found a significant over-ordering of blood products. By implementing MSBOS, one can plan the collection and stocking of blood products thereby saving money, labour, and time.

88. A Randomized Controlled Study of Quilting with Axillary Lymphatic Ligation Versus Conventional Modified Radical Mastectomy in Patients with Breast Cancer.

Kumar VN, Hulikal N, Banoth M.

Indian J Surg Oncol 2021;10.

Postmastectomy seroma formation is a common and notorious problem that every treating surgeon frequently faces in the management of patients with breast cancer. Several technical modifications and innovations have been proposed to either overcome or reduce its occurrence. One such method tested in this study in a randomized way was axillary lymphatic vessel ligation and quilting. A total of 120 patients undergoing modified radical mastectomy for breast cancer were randomized to undergo either conventional modified radical mastectomy (MRM) or MRM with axillary lymphatic vessel ligation using a loupe magnification and quilting. Both the groups were identical in terms of baseline characteristics. Compared to conventional MRM, experimental group was associated with statistically significant longer operative time, more blood loss, less seroma aspirations, early drain removal, shorter hospital stay, early start of adjuvant chemotherapy, and better ipsilateral shoulder function. To conclude axillary lymphatic vessel ligation and quilting, the technique needs to be incorporated into the technique of MRM and the relative contribution of each of these strategies needs to be explored further through newer studies.

89. Surgery for Cancer in the Wake of Second and Future Waves! Challenges and Opportunities in the Indian Context.

Hulikal N, Kumar SN, Gopinath KS.

Indian J Surg Oncol 2021;12:1-5.

The pandemic situation created by newly discovered severe acute respiratory disease corona virus 2019 has thrown up many challenges to surgical fraternity across world. All surgeons particularly cancer surgeons are facing dilemmas not only in managing patients but also in appropriate personal as well as employee's health protection as well. Since the pandemic is not expected to recede unless it affects a considerable proportion of population or up to

60% of population is vaccinated, we need to be aware of prevailing best practices. This is important in ensuring continuity of care for cancer patients as well as to limit the consequences of one getting infected with the COVID-19. This review article focuses on the current challenges and the ways to mitigate them.

90. Serological Characterization of Auto-antibodies in Patients with Direct Antiglobulin Test Positive Autoimmune Haemolytic Anaemia at a Tertiary Care Teaching Hospital in Tirupati,

Chinthapeta K , Arun R , Bandi SB, Kinnera VSB, Alladi M, Chodimella C, et al.,

Indian J Clin Diag Res 2021;15:12-5.

Introduction: Haemolysis in Autoimmune Haemolytic Anaemia (AIHA) is a result of Immunoglobulin G (IgG) or Immunoglobulin M (IgM) auto-antibodies with or without complement components binding to the Red Blood Cell (RBC) surface and initiating its destruction. Serologic evidence is provided by autocontrol or Direct Antiglobulin Test (DAT). Diagnostic work-up is essential as the management depends on the antibody type. Characteristics of the bound antibody and the target antigen determine the degree of haemolysis. Serological characterisation in AIHA helps to differentiate into its various types which help the clinician to decide on the treatment to be given.

Aim: To serologically characterise the auto- antibodies in patients with DAT positive AIHA at a tertiary care teaching hospital. **Materials and Methods:** This cross-sectional study was carried out in the Department of Transfusion Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati, Andhra Pradesh, India, from March 2019 to February 2020. A 40 consecutive patient samples were included in the study. Characterisation of antibody was done using polyspecific Anti-Human Globulin (AHG) reagent followed by mono-specific AHG reagent by gel method. If antibody was of IgG type, then the subclass

was determined by a mono specific anti-IgG1 and anti-IgG3 gel card. Association between antibody types, subtype, and strength of DAT with severity of haemolysis were compared using Chisquare/ Fisher's-exact test. A p-value of less than 0.05 was considered statistically significant. **Results:** The total study population was 40 patients. The mean age of the study population was 45 years (range 13 to 78). Out of 40 patients, males were 30 (75%) and females were 10 (25%). The primary and secondary causes for AIHA include 4 (10%) and 36 (90%) respectively. Among 40 patients, 22 (55%) patients had IgG antibody alone, 17 (42.5%) patients had IgG antibody with combination of other antibodies and 1 (2.5%) had only complement (C3d). IgG1 was identified in 7 (18%) of patients, combination of IgG1 and IgG3 in 3 (7.7%). There was a significant association with IgG+combination (p-value=0.03), IgG1+IgG3 (p-value=0.029) and strength of reaction (p-value=0.003) with respect to severity of haemolysis. **Conclusion:** Presence of multiple antibodies, presence of IgG1 and IgG3 and with complement combination and presence of higher grading of reaction in gel column were associated with severity of haemolysis. We recommend that serological characterisation of auto-antibody in AIHA would help the clinician in assessing the severity of haemolysis so that management can be done appropriately.

91. Impact of SARS-CoV-2 Pandemic on Blood Transfusion Services in a Tertiary Care Teaching Hospital Blood Centre in South India.

Sandhya G, Arun R, Suresh B, Kinnera VSB.

J Res Med Dent Sci 2021; 9: 8-11.

Introduction: Blood transfusion services (BTS) being an essential medical service should cater to the patient needs especially to those who are transfusion dependent. BTS faced numerous challenges to maintain the sustainability in service provision during the SARS-CoV-2 pandemic.

Aim: to study the impact of SARS-CoV-2 pandemic on blood transfusion services. **Material and methods:** This retrospective cross-sectional study was carried out in the department of transfusion medicine in a tertiary care teaching hospital blood centre in south India. Data on blood collection, blood issues, wastage and number of blood donation camps was evaluated before and after COVID-19 i.e. from January 2019 to December 2020. The data obtained was tabulated and results were noted. Data were analysed using SPSS software version 21 for Windows statistical software package (SPSS Inc., Chicago IL, USA).

Results: There was a 52.4 % drop in blood donation, 54.5 % in blood component preparation, and 54.6% in blood issue during COVID-19. There was an increase in blood discard rate by 0.13% with double the rate of discards due to expiry of blood and blood components alone during COVID-19. **Conclusion:** COVID-19 pandemic had a major impact on Blood transfusion services. Blood centres must make an emergency preparedness action plan to prepare and manage the blood supply during similar future threats based on the experience in this pandemic

92. Association of Anti-SARS-CoV-2 Virus IgG antibody levels in COVID-19 recovered individuals with age, gender, blood group and computerized tomography severity index.

Suresh B, Ravikanth C, Arun R , Sreedhar Babu KV, Vijayalakshmi D.

Int Jour Health Clin Res 2021;4:164-6.

Introduction: The continued spread of corona virus disease 2019 (COVID-19) has prompted widespread concern around the world. Currently, the antibody responses against SARS-CoV-2 remain poorly understood and the clinical utility of serological testing is unclear. **Aim:** To study association of anti-SARS-CoV-2 IgG antibody levels in COVID-19 recovered individuals with age, gender, blood group and

computerized tomography (CT) severity index. **Material and methods:** This cross sectional observational study was done in the department of Transfusion Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati from April 2020 to June 2020. CT severity index was classified into mild, moderate and severe depending on the CT score. Anti-SARS-CoV-2 IgG antibodies were measured by enhanced chemiluminescence immunoassay technology and signal to cutoff ratio was measured. The collected data was analyzed using SPSS 21.0, continuous data by Mann Whitney U test and categorical data by Fisher's exact test. **Results:** The mean age of study population was 45.4 years with majority of the study population between 41-50 years (36.8%). Males constituted 57.9% and remaining 42.1% were females. The most common blood group was B positive (42.1%) followed by O (36.8%) and 'A' positive (21.1%). Majority of study population (57.9%) had severe CT severity index. Anti-SARS-CoV-2 IgG antibody levels with S/C ratio of <9.5 belongs to 42.1%, remaining 57.9% had >9.5 (S/C). **Conclusion:** The significant association between CT severity index and SARS CoV-2 IgG antibodies may be helpful to select convalescent plasma donors for the centres where the facilities for SARS CoV-2 IgG antibodies testing are not available.

93. Nasare vaibhao mahad, TRUS guided prostate biopsy complications an initial 2 years experience at our centre SVIMS, Tirupati.

Kumar Shashi, Anil Kumar N, Konda Reddy C H, Pradeep Rakesh, Singh Ashish kumar.

Int J Dent Med Sci Res 2021;3:606-9.

Type 1 diabetes mellitus (T1DM) constitutes a chronic autoimmune disease whose onset occurs more commonly during childhood. Several studies have demonstrated the relationship between dietary patterns and the risk of developing T1DM, with breast milk gaining much attention

due to its beneficial bacteria and protective effect via numerous antipathogenic and antiinflammatory bioactive molecules. Recent evidence suggests that breast milk might have a potential impact on the onset of T1DM by influencing the infant's immunity and gut microbiota. The aim of this mini narrative review is to analyze the association of breastfeeding and the risk of T1DM in childhood, focusing on the effect on gut microbiota.

94. Effectiveness of structured teaching programme on knowledge regarding vaginitis and its prevention among adolescent girls in selected high schools at Tirupathi.

Swarna S, Usha Kiran C, Bhargavi C.

Int J Creative Res Thoughts 2021;9:2320-82.

The study on “Effectiveness of Structured Teaching Programme on Knowledge regarding Vaginitis and its Prevention among adolescent Girls in selected Higher secondary school at Madurai was undertaken by Reg.no.30111081 during the year 2012-2013 in partial fulfilment of the requirement for the degree of Master of Science in Nursing at RASS Academy College of Nursing, Poovanthi which is affiliated to The Tamilnadu Dr.M.G.R. Medical University, Chennai. **Objectives:** To assess the level of knowledge of adolescent girls regarding vaginitis and its prevention before structured teaching programme. Evaluate the effectiveness of Structured Teaching Programme (STP) on vaginitis and its prevention in terms of gain in knowledge score using a structured knowledge questionnaire. Compare the pre test and post test knowledge scores among adolescent girls regarding vaginitis and its prevention. Determine the association between the level of knowledge score before structured teaching programme and selected demographic variables.

Conceptual frame work: The study was based on modified Imogene king's goal theory. Design: Evaluatory approach and pre-experimental design was adopted for this

study. Setting: The study was conducted at kakaipadiyar girls higher secondary school at Madurai district. Sample size: The sample size was 60 higher secondary school girls. Sampling technique: The purposive sampling technique was used to select the adolescent girls. Methods of data collection procedure: Data were collected from adolescent girls to assess level of knowledge by using structured tool before and after structured teaching programme. After administration of structured teaching programme the level of knowledge is assessed. The collected data were tabulated and analyzed by descriptive and inferential statistics.

Results: Structured teaching programme is effective of adolescent girls according to level of knowledge before and after the manipulation in which (41.67%) of the samples had showed inadequate level of knowledge in the pretest. In contrast, (70%) of the samples experienced adequate level of knowledge in the posttest. The mean post test knowledge score (17.62) was greater than the mean pretest level of knowledge score (9.52). The obtained t-value (14.33) was statistically highly significant at 0.05 levels. The mean difference between pretest score and post test score of 8.1 was significant at 5% level as the (*p < 0.05). **Conclusion:** The association of pre and post test level of knowledge after the structured teaching programme was adequate.

95. Assessment of awareness on knowledge regarding hysterectomy among women attending MCH center, Tirupathi.

Swarna S, Usha Kiran, Bharathi G.

Int J Creat Res Thoughts 2021;9:2320-82.

Introduction: The Medical Termination of Pregnancy (MTP) Act was passed in 1971. The Act was intended to grant women freedom from unwanted pregnancies, especially when there was social censure or medical risk involved. Apart from these benefits, it also ensured that

abortion services became easily accessible. The aim of the Act is to allow for the termination of certain pregnancies by registered medical practitioners. If a pregnancy is terminated by someone who is not a registered medical practitioner, it would constitute an offence punishable under the Indian Penal Code. **Objectives:** To assess the pre-test knowledge on medical termination of pregnancy among teenage girls in selected area. To assess the effectiveness of planned teaching program on medical termination of pregnancy among teenage girls in selected area. To find the association between pre-test and post-test knowledge scores on medical termination of pregnancy among teenage girls in selected area with their selected demographic variables. Methodology: 30 teenage girls by using convenient sampling technique on the basis of inclusive criteria to assess the knowledge regarding medical termination of pregnancy act by questionnaire. The study was conducted in selected area, E.Mathyam village, Thavanampalli mandal of chittoor district. **Results:** Out of 30 teenage girls, 24(80.00%) had inadequate knowledge regarding medical termination of act whereas 6(20.00%) had adequate knowledge and 0(0.00%) had adequate knowledge in pre-test ,whereas in post-test , whereas 19 (63.30%) had adequate knowledge ,whereas 11 (36.70%) had moderate knowledge and there is no inadequate knowledge after planned teaching programme. Among teenage girls which was significant at 0.01 level. And pre-test mean score of 8.40 with Standard deviation of 5.29, whereas in Post- test score of 24.70 with Standard deviation of 3.22. t-value is 26.063 and there is significant improvement in knowledge on medical termination of pregnancy act at $p < 0.05$ level. there was significant association between post- test knowledge on medical termination of pregnancy and socio demographic variables religion, type of family, education of mother, education of father, occupation of mother, occupation of father ,family income per month on medical termination of pregnancy at $p < 0.05$ level. In pre-test Regarding Presence of which of

the following hormone in urine helps to detect pregnancy test in pre test had highest mean score knowledge of 2.83. In post –test Pertaining to how many registered medical practitioners are involved in medical termination of pregnancy between 12 to 20 weeks had highest mean score in post test was 377. **Conclusion:** The present study revealed that teenage girls had inadequate knowledge regarding medical termination of pregnancy among teenage girls and after education knowledge of teenage girls was effective.

96. Knowledge on risk factors and preventive aspects of uterine prolapse among women in selected areas at Tirupathi.

Bhagyamma A, Swarna S.

Int J Creat Res Thoughts 2021;9:2320-82.

Introduction: Female body is one of the nature's most wonderful and complex creations. A woman's journey in life is punctuated by many milestones such as childhood, puberty, motherhood. The word woman is usually reserved for an adult girl or female child who has been traditionally limited for her activities and opportunities, many religious doctrines stipulates certain rules for women. During the 20th century, women have gained access to careers beyond the traditional homemaker and ability to pursue higher education. A woman has a significant impact on health, as a result of both biological and genderrelated differences. The health of women and girls is of particular concern because, in many societies, they are disadvantaged by discrimination rooted in socio cultural factors. For example, women and girls face increased vulnerability to many diseases. It is a complex condition that is often kept secret because of the shame of affecting a sensitive part of the women's body. Many women fear condemnation from their community and families and they continue to remain silent on this matter. Statistics reveals that 6, 00, 000 women are affected by the uterine prolapse out of which 2,00,000

require immediate treatment. So the investigator felt the need to educate women regarding uterine prolapse for early prevention. Education will help them to increase their knowledge. Objectives to Assess the Knowledge on risk factors and preventive aspects of Uterine Prolapse among women in Tirupati, The dependent variables are in this study knowledge on risk factors and preventive aspects of uterine prolapsed among women. Demographic variables considered by the investigator were Age, Religion, Education, Marital Status, Occupation, Total family income, Place of Residence, Type of Family, Marriage Age, Number of Children, Family history of Uterine prolapse, Source of Information. Methodology the general pattern of organizing the procedure for gathering valid and reliable data for problem under investigation. It includes Research approach, setting of the study, Population, Sampling and Sample size, Sampling techniques, Inclusion and Exclusion Criteria development and description of tool, Content validity, Reliability of the tool, pilot study. The Procedure for data collection, Plan for data analysis and ethical consideration. Result The results revealed that 94.5 % of the participants were heavy work and lifting heavy weight during postpartum, 23.7% were age factor, 72.7% were postmenopausal women. The study concluded that high prevalence of uterine prolapse was found among heavy workers, menopausal women and there is a need of screening and giving education about prevention and early management of uterine prolapsed. Conclusion the process of studying the result of analysis making inferences about the occurrence or relations and drawing conclusions about the relations in terms of purposes of the study being reported. The study showed the moderate knowledge was found among women regarding the knowledge on anatomy, physiology, symptoms, diagnosis, management, prevention and risk factors of uterine prolapse. These findings suggest the health education and awareness programme in order to improve the knowledge on uterine prolapse in women.

97. Factors Influencing Scales of Burden, Coping Mechanisms, and Quality of Life in Caregivers of Hemodialysis Patients in Andhra Pradesh, India.

Nagarathnam M, Latheef SAA, Sivakumar V.

Indian J Palliat Care. 2021 Jan-Mar;27(1):62-67.

Background: Evaluation of factors influencing scales of burden, coping mechanisms, and quality of life (QOL) in caregivers of hemodialysis (HD) patients may lead to the revision of interventions aimed at the betterment of QOL of caregivers of HD patients. In this study, we investigated the influence of demographic, social, and clinical variables on burden, coping mechanisms, and QOL in caregivers of HD patients. **Methods:** In this prospective study, 150 caregivers of HD patients were recruited. Assessment of burden, coping strategies, and QOL were made by the Zarit Burden Interview, Revised Ways of Coping, and Short Form-36 QOL. The role of age, gender, and social and clinical variables on these constructs was investigated using multivariate analysis of variance. **Results:** The mean age was 43.86 ± 1.11 years. Males outnumbered females. Most were Hindu, married, primary school educated, unemployed, spouses, caring the patients, and suffering from chronic diseases for <5 years. In multivariate analysis of variance, effect of age on physical functioning (PF), general health (GH), and physical component summary (PCS) score ($P < 0.01$); gender on burden, distancing, seeking social support, role limitation due to emotional problem, and pain ($P < 0.05$); role limitations due to physical health, energy/fatigue (EF), emotional well-being, PCS, and mental component summary (MCS) score ($P < 0.01$); religion on PF ($P < 0.05$); marital status on burden and GH ($P < 0.05$); PF and PCS ($P < 0.01$); relationship of caregiver with the patient on PCS ($P < 0.05$); EF and MCS ($P < 0.01$); and presence of chronic diseases on GH and social functioning ($P < 0.01$) were observed.

Conclusion: The role of demographic, social, and clinical variables should be taken into consideration while initiating therapies for reducing the burden and improving the QOL of caregivers.

98. Awareness of never events among B.Sc Nursing students at tertiary care center.

Nagajyothi P, Nagarathnam M

J Nurs Health Sci 2021;10:13-18.

Objectives: To assess the knowledge on never events among B.Sc. Nursing students.v To find out the association between the level of knowledge with selected socio-demographic variables.v **Material and methods:** Methodology: The research approach used for the present study was Cross-Sectional Descriptive Research Design. The sample of the study chosen by Non-Probability Convenient Sampling Technique, which includes 150 students of 3rd and 4th year B.Sc. Nursing. A self structured questionnaire was used to collect the data which consists of 47 dichotomous questions. **Results:** The major findings of the study was out of 150 students of 3rd and 4th year B.Sc. Nursing .83 (55.3%) had moderate knowledge, 53 (35.3%) had inadequate knowledge and only 14 (9.3%) had adequate knowledge regarding never events. The associations of demographic variables with the level of knowledge on never events were determined by using chi-square test which revealed that there was a significant association with age, gender, year of studying course, previous knowledge on never events. **Conclusion:** The study concluded that majority of B.Sc.Nursing students had moderate knowledge on never events. Hence there is a need to improve the knowledge regarding preventive measures for never events. So informational booklet has been given for improving knowledge and practices.

99. A study to assess the knowledge regarding pregnancy induced hypertension among antenatal mothers attending OP block of MCH center at Tirupathi.

Varalakshmi K, Jerusha Supriya B, Usha Kiran C.

Int J Creative Res Thoughts 2021; 9:2320-82.

The urinary system plays a vital part in maintaining homeostasis of water and electrolyte concentration within the body. The kidney are the principle organs of the urinary system which produce the urine that contains metabolic waste products including the nitrogenous compounds urea and uric acid excess ions and some drugs. The main functions of the kidneys are formation and secretion of urine, production and secretion of erythropoietin and production and secretion of renin. Kidneys are one of the vital organs in the human body. Kidneys perform vital functions like excretion of waste products, maintenance of water balance, thus maintaining the homeostasis. In addition, kidneys perform may other functions such as role in homeostasis, of blood sugar and regulation of blood calcium level. Because the kidney performs a wide variety of functions, the effect of loss of renal function not only in kidney but also in other organ systems

100. A Comparative study on coping strategies of cancer cervix patients receiving chemo and radiation therapies at SVIMS, Tirupathi.

Usha Kiran C, Vidya, Varalakshmi K.

Int Organ Sci Res 2021;10:2854.

Objectives: To assess coping strategies of cancer cervix patients on chemo and radiation therapies, To compare coping strategies of cancer cervix patients on chemo therapy and radiation therapies, To find out association between the coping strategies with their selected

demographic variables. **Material and methods:** The present study was a cross-sectional descriptive research design used non-probability convenient sampling technique to select 100 patients who were receiving chemotherapy, radiation fractions, at SVIMS, Tirupati. Data were collected by using demographic variables and Modified Folkman and Lazarus “way of coping” scale and the obtained data were analyzed by using frequency, mean, standard deviation, chi-square test and t- test.....

101. A study to assess the effectiveness of structured teaching programme on life style modifications among postmenopausal women in selected rural areas, Tirupathi.

Usha Kiran C, Srilatha A, Varalakshmi K.

Int J Creative Res Thoughts 2021;9:2320-82.

Introduction: Menopause is a unique stage of female reproductive life cycle, a transition from reproductive to non-reproductive stage. In India, at some point after forties, a woman enters in to the third phase of her life. This phase of life is generally ignored and chooses to mourn silently. During the middle age, physiologically, menopause is the most notable event for women. So, the women need knowledge about what to expect and how to cope with changes. **Objectives:** To assess the knowledge on lifestyle modifications before & after structured teaching programme. To determine the effectiveness of structured teaching programme by comparing pre-test & post-test knowledge on postmenopausal women. To identify the association between knowledge regarding lifestyle modifications among post-menopausal women and the selected demographic variables. **Methodology:** A pre-experimental one group pre- test and post -test design was adopted for this study. Seventy-five postmenopausal women were selected by using non probability convenient sampling technique who are fall under inclusion criteria at selected rural areas Tirupati. A self- structured

questionnaire was used to assess the knowledge on lifestyle modifications among postmenopausal women. **Results:** The study findings revealed in pre- test out of 75 postmenopausal women 58.70 % (44) had inadequate knowledge 41.30 % (31) had moderate knowledge 0.00 % (0) had adequate knowledge on Lifestyle modifications whereas in post- test 70.70% (53) had adequate knowledge, 29.30(22) had moderate knowledge, and 0.00 % (0) had inadequate knowledge after structured teaching programme. This indicates that there was a significant improvement knowledge on lifestyle modifications among post menopausal women at $p < 0.01$ levels. **Conclusion:** The present study revealed that postmenopausal women have inadequate knowledge on lifestyle modifications and after structured teaching programme knowledge have improved among postmenopausal women.

102. A study to assess the knowledge regarding heat stroke and its management among teachers, working in selected schools of Tirupathi.

Sreelatha M, Gowri Devi P, Sudha Rani P.

Int J Cur Res 2021;13:19324-28.

The aim of the study is to assess the level of knowledge regarding heat stroke and its management among school teachers. **Objectives of the study:** To assess the knowledge regarding heatstroke and its management among school teachers. To find the association between knowledge regarding heat stroke and its management among school teachers with their selected socio-demographic variables. To distribute information booklet regarding heatstroke and its management **Methodology:** By using Non probability-Convenient Sampling Technique, Non experimental- Descriptive Research Design was adopted, 100 school teachers were taken for the study and data was collected by using a self structured questionnaire and analysed by using descriptive and inferential statistics. **Results:** The results revealed that out of 100 school teachers majority

67(67%) had inadequate knowledge, 33(33%) had moderate knowledge and none of them has adequate knowledge regarding heat stroke and its management, significant association was found between level of knowledge and socio economic status. **Conclusion:** Every year we can find many changes in the environment, due this even the health is being affected very much one among the health affects is considered to be heat stroke, where even the children are being affected, the researcher found that educating school teachers can minimise this and so, education was given to the school teachers.

103. A study to assess the knowledge and knowledge on practice regarding prevention of COVID-19 among B.Sc (N) students in selected Nursing Colleges, Tirupathi.

Sreelatha M, Vijaya Nirmala K, Sudha Rani P.

Int J Current Res 2021;13: 19446-52.

The aim of the study is to assess the level of knowledge and knowledge on practice regarding prevention of covid-19 among B.Sc nursing students **Objectives of the study:** To assess the knowledge and knowledge on practice regarding prevention of COVID-19 among B.Sc(N) students. To determine the association between knowledge and knowledge on practice scores regarding prevention of covid-19 with their selected socio demographic variables. To evolve and distribute a self instructional module regarding prevention of COVID-19 infection **Methodology:** By using Non probability-Purposive Sampling Technique, Non experimental-Descriptive Research Design was adopted, 100 B.Sc nursing students were taken for the study and data was collected by using a self structured questionnaire and analysed by using descriptive and inferential statistics. **Results:** The results revealed that out of 100 that majority 45(45%) of sample had moderate knowledge rest of 35(35%) of them had adequate knowledge and 20(20%) of the nursing students

had inadequate knowledge. **Conclusion:** Covid-19 is a emerging condition which made the entire world to suffer and bring frontline worriers nurses should take active part in preventing the spread of disease and should promote the awareness among the community in order to implement the researcher has taken this study.

104. A comparative study to assess the effectiveness of individual versus group pre-marital counseling among adolescent girls at selected college in Tirupathi, A.P.

Kokilamma B, Lavanya Y, Sudha Rani P, Sreelatha M.

Int J Creat Res Thoughts 2021;9: 358-63.

A comparative study was conducted to compare the effectiveness of individual versus group premarital counselling among adolescent girls. To find out the association between post-test scores of pre-marital counselling among adolescent girls with their selected socio-demographic variables. **Methodology:** Pre-experimental approach, one group pre-test and post-test design was done on 60 students, who were selected by simple random sampling technique at Seicom Degree College, Tirupati. Data were collected by using structured questionnaire includes socio-demographic variables, knowledge of students about premarital counselling. **Results:** Level of knowledge on pre-marital counselling among group adolescent girls mean score 1.46 ± 0.73 in pre-test and mean score 2.43 ± 0.72 in post-test. Level of knowledge on pre-marital counselling among individual adolescent girls mean score 1.4 ± 0.67 in pre-test and mean score 2.63 ± 0.614 in post-test. There is a significant relationship between knowledge of individual adolescent girls with monthly income and residence (at $p < 0.05$ level), type of family (at $p < 0.01$ level), among group adolescent girls with religion, residence and type of family (at $p < 0.05$ level) and remaining socio-demographic variables were not shown any significant association with the knowledge

on premarital counselling. **Conclusion:** The study concluded that adolescent girls knowledge has improved in post-test than the pre-test. **Recommendations:** The study further recommended to conduct a similar study between both boys and girls.

105. Study to assess the knowledge regarding mission indradhanush among mothers of under five children at selected Municipal maternal and child health centre, (MCH), Tirupathi.

Kokilamma B, Vishnuvardan M, Sudharani P, Sreelatha M.

Int J Creat Res Thoughts 2021;9:364-72.

Objectives: To assess the knowledge regarding Mission Indradhanush among mothers of under five children. To find out the association between the knowledge regarding Mission Indradhanush among mothers of under five children with their selected socio-demographic variable.

Review of literature: Investigator with background for the development of questionnaire for data collection. Conceptual framework adopted for the present study was based on modified general system theory model 2021, which involves input, throughput, output and feed-back.

Methodology: Non-experimental approach, descriptive design by using non-probability purposive sampling technique, which includes 100 mothers of under five children. The tool was reliable determined by split half, cronbach's alpha formula, with $r=0.6$. Pilot study was conducted, following which the data collection was carried out. Data was analyzed by descriptive and inferential statistics. **Results** revealed that 49 Per cent of mothers had moderately adequate knowledge regarding (MI), with a mean score of 2.09 ± 0.7 . Significant association with religion and occupation of the mothers at <0.01 level and

other variables were not significant. The study **concluded** that majority of mothers of under five children had moderately adequate knowledge on (MI).

Recommendation: The study may be replication using larger population.

106. Somatic Status of rural and Urban Over Weight and Obese Women.

Karpugam V, Sarada D.

Turkish J Physio Rehabil 2021;32:2651-4451.

Indian studies, however, indicate that the living conditions in rural areas have improved considerably. Transport facilities, medical care and food habits, educational status, and family income have dramatically improved, which along with easy access to city and television watching, result in unwanted changes in lifestyle. These have eventually led to significant increase in body mass index (BMI) as well as abdominal obesity in both sexes as compared to a similar study conducted in the year 1989. The prevalence of overweight rose from 2 to 17.1percent. The changing lifestyle of the rural dwellers was found to be a contributory factor for the rising rates of obesity and associated metabolic diseases such as diabetes (Ramachandran et al, 2010). In this study the data on anthropometric measurements such as height, weight, Body Mass Index (BMI), Waist Hip, Ratio (WHR) and Body Fat (BF), Basal Metabolic Rate (BMR), Haemoglobin (Hb) of the women were collected to assess their nutritional status as part of the study. The sample did not differ significantly ($p=0.181$) based on their place of residence and they varied significantly as the standard deviation values were large. The study results revealed that there was significant difference ($p=0.000$) in Haemoglobin levels of rural and urban women at 0.001 level indicating a difference health status.

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2. 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 as on 31.12.2021

| 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 Effusion 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, Prof. & HoD, Dept. of Clinical Virology, Principal Investigator, SVIMS. | ICMR, New Delhi | Establishment of a network of laboratories for managing epidemics and natural calamities | 8,15,67,632 |
| 4 | Dr Alladi Mohan Prof.& HOD, Dept. of Medicine, Principal Investigator, SVIMS | Science & Engg. 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. | 69,52,204 |
| 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 |
| 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, AP. | 32,05,090 |

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| S. No | Investigator | Funding Agency | Title of the Project | Grant of money (Rupees) |
|-------|---|-------------------------------|--|-------------------------|
| 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 | 19,04,395 |
| 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 UshaKalawat, Prof. & HoD, Dept. of Clinical Virology, Principal Investigator, SVIMS. | NCDC, New Delhi | Program for Intersectoral coordination for prevention and control of zoonotic diseases in India | 43,60,000 |
| 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 | 1,82,753 |
| 16 | Dr R. Jayaprada, Assoc. Professor, Dept. of Microbiology, SVIMS. | BIRAC, Govt. of India. | Developing a prediction model for determining probability of harbouring ESBL producing enteroacteriaceae in UTI | 1,12,107 |
| 17 | Dr K.Nagaraj, Professor & HOD, Dept. of Community Medicine, SVIMS. | ICMR, New Delhi | Self care practices and quality of life among diabetic patients in rural area of Chittoor District, Andhra Pradesh | 50,000 |
| | | Total | | 10,78,47,945 |

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SBAVP Grant released for the calendar year 2021

i) For Faculty

| S.No. | Name | Title of the project | Grant Sanctioned Rs. |
|-------|---|---|----------------------|
| 1 | Dr Alok Sachan, Prof. & HoD of Endocrinology | Patients and predictors of acute complications among patients with type 1 diabetes mellitus | 2,64,750/- |
| 2 | Dr V. Suresh, Professor of Endocrinology | Thyroid specific autoantibodies and calcitonin levels in graves disease with hyperthyroidism before and after treatment with carbimazole | 2,68,200/- |
| 3 | Dr D. Rajasekhar Sr. Prof. & HoD of Cardiology | Correlation between ASCVD score, ankle brachial index and CT calcium score with severity of coronary artery disease on coronary angiogram | 3,12,500/- |
| 4 | Dr D. Rajasekhar Sr. Prof. & HoD of Cardiology | Association of testosterone with the angiographic severity of coronary artery disease in the middle age males | 50,400/- |
| 5 | Dr Sharan B Singh .M Professor & HoD Dept. of Physiology SVIMS, SPMC (W) | The Effect of heartfulness meditation on vital parameters and biomarkers of stress in healthy female medical students | 1,44,000/- |
| 6 | Dr H. Narendra Prof. & HoD Dept. of Surgical Oncology | 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 | 59,200/- |
| 7 | Dr H. Narendra Prof. & HoD Dept. of Surgical Oncology | Correlation of plasma 25-hydroxy vitamin D levels with risk of breast cancer – A case control study | 3,96,000/- |
| 8 | Dr M.M. Suchitra Professor, Biochemistry | Association of hypothyroidism with components of metabolic syndrome | 1,11,600/- |
| 9 | Dr T.C. Kalawat Professor & HoD Nuclear Medicine | Study of left ventricular function using radionuclide ventriculography in patients with type 2 diabetes mellitus | 1,79,500/- |
| 10 | Dr T.C. Kalawat Professor & HoD Nuclear Medicine | Utility of ^{99m} Tc DTPA SPECT/CT scintigraphy over clinical activity score in diagnosis of active thyroid associated orbitopathy in graves disease | 2,79,300/- |

ii) MD/DM/MCh Post Graduates

| S.No. | Name | Title of the project | Grant Sanctioned Rs. |
|-------|--|---|----------------------|
| 1 | Dr Likhitha Butukuri, Postgraduate Senior Resident in DM (Endocrinology) | Patients and predictors of acute complications among patients with type 1 diabetes mellitus | 21,600/- |
| 2 | Dr Gopinath Reddy .V Postgraduate Junior Resident in MD (Pathology) | Study the association between expression of E-cadherin, β -catenin and vimentin in primary oral cavity squamous cell carcinoma with lymph nodal metastasis | 50,000/- |
| 3 | Dr P.Venkata Harish Postgraduate Senior Resident in DM (Cardiology) | Association of testosterone with the angiographic severity of coronary artery disease in the middle age males | 23,000/- |
| 4 | Dr B. Sruthi Postgraduate Senior Resident in DM (Endocrinology) | Thyroid specific autoantibodies and calcitonin levels in graves disease with hyperthyroidism before and after treatment with carbimazole | 50,000/- |
| 5 | Dr B. Swathi Postgraduate Junior Resident in MD (Pathology) | Immunoexpression of Bcl-2, Cyclin D1, Ki-67 and p53 in oral squamous cell carcinoma | 50,000/- |
| 6 | Dr M. Srihari Rao Postgraduate Junior Resident in MD (Microbiology) | Phenotypic and molecular characterization of carbapenem resistant enterobacteriaceae in clinical specimens from medical intensive care unit in a tertiary care hospital | 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’s website. The journal has grown fast and attracted 749 submissions in its first ten years from across the world. The Journal of Clinical and Scientific Research is indexed with/included in **Directory of Open Access Journals (DOAJ)**, (included in MCI/NMC list of indexes), Indian Science Abstracts; and The journal is registered with the following abstracting partners:

Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing’s Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, National Science Library, ProQuest, TDNet, Wanfang Data.

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, 40 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 2021 (Volume 10 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 2021 are listed below:

Under “Original Article” Category

Salh GK, Gupta V, Kaur H, Ahluwalia S, Ahluwalia S. Clinical profile of fever in patients admitted through the outpatient department in a North Indian tertiary care teaching hospital. J Clin Sci Res 2021;10:227-32.

Under “Case Report” Category

Korambayil PM, Alappatt K, Ambookan PV. Microtia deformity correction with three-dimensional and two-dimensional templates: A pathway for effective ear reconstruction. J Clin Sci Res 2021;10:252-5.

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.

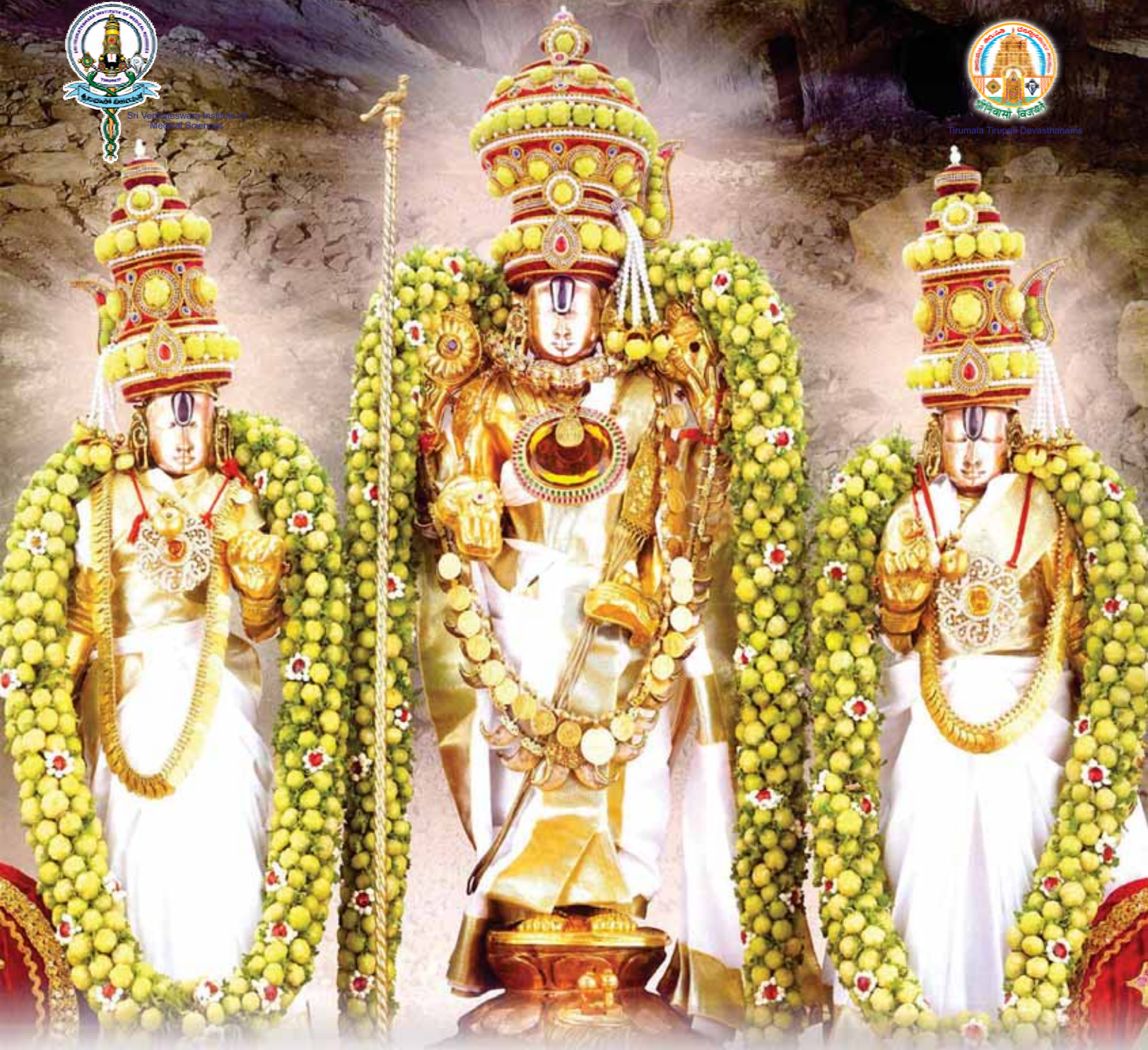
B. Vengamma
Hon. Editor-in-Chief



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



V HUMAN RESOURCE DEVELOPMENT



V Human Resource Development

1.0. Degrees conferred

For the academic year 2020 – 21, The following students have successfully completed their academic programme and became eligible for award of Degrees/Diplomas during the next Convocation.

1.1 DM / MCh Courses

| S.No. | Name of student | Specialty |
|-------|---------------------------|-------------------|
| 1 | Dr Madhava Naidu Yandrapu | Cardiology |
| 2 | Dr Gajula Ram Pavan Kumar | Cardiology |
| 3 | Dr Chandrasekhar Reddy P | Cardiology |
| 4 | Dr Buddhharaju P Varma | Endocrinology |
| 5 | Dr Anusha N D | Endocrinology |
| 6 | Dr Naga Alekhya B | Nephrology |
| 7 | Dr Maria Bethsaida Manual | Nephrology |
| 8 | Dr A Sunitha | Neurology |
| 9 | Dr Sateesh Gudla | Neurology |
| 10 | Dr Srikanth K | Neurology |
| 11 | Dr Phaneendra Mettapalli | Medical Oncology |
| 12 | Dr B Bhavya | Surgical Oncology |

| S.No. | Name of student | Specialty |
|-------|--------------------------------|------------------------|
| 13 | Dr Mohana Murali Krishna N | Neurosurgery |
| 14 | Dr Hanuma Naik Banavath | Neurosurgery |
| 15 | Dr Gokanapudi Sreeram | Neurosurgery |
| 16 | Dr Lokesh Arora | Surgical GE |
| 17 | Dr Chilukala Sai Praneeth | Surgical Oncology |
| 18 | Dr Chaitanya Vani Siddabattuni | Surgical Oncology |
| 19 | Dr Goutham Krishna Reddy M. | Genito Urinary Surgery |
| 20 | Dr Narendranath L | Genito Urinary Surgery |
| 21 | Dr Amit Kumar | Genito Urinary Surgery |
| 22 | Dr Ravinder Singh | Genito Urinary Surgery |

1.2 M.D. Courses

| S.No. | Name of student | Specialty |
|-------|---------------------------|-----------------|
| 1 | Dr Sharon Linnet | Anaesthesiology |
| 2 | Dr Banoth Radhika | Anaesthesiology |
| 3 | Dr Sahana B N | Anaesthesiology |
| 4 | Dr P. Sameera Vani | Anaesthesiology |
| 5 | Dr M. Venkata Srinivas | Anaesthesiology |
| 6 | Dr M. Kishore | Anaesthesiology |
| 7 | Dr K. Krishna Priya | Anaesthesiology |
| 8 | Dr Mummaka Harshavardhan | Anaesthesiology |
| 9 | Dr Pralayakaveri Jyothsna | Biochemistry |
| 10 | Dr G. Pavan Kumar | Emerg. Medicine |
| 11 | Dr S. Sadasiva Raju | Emerg. Medicine |
| 12 | Dr Nandaluri Sairam | Medicine |
| 13 | Dr Mounika Gopalam | Medicine |
| 14 | Dr Lavanya S | Medicine |
| 15 | Dr Haneesha M | Medicine |
| 16 | Dr Seelabanu P | Medicine |
| 17 | Dr K. Hemsai | Medicine |
| 18 | Dr Sunil Kumar C | Medicine |
| 19 | Dr N. Mounika | Medicine |

| S.No. | Name of student | Specialty |
|-------|--------------------------|------------------|
| 20 | Dr C.V.S. Manasa | Medicine |
| 21 | Dr K. Vineela | Microbiology |
| 22 | Dr D.S. Hemalatha | Nuclear Medicine |
| 23 | Dr Nimmagadda Ajit | Nuclear Medicine |
| 24 | Dr Kanala Sai Krishnaja | Nuclear Medicine |
| 25 | Dr Tammineni Medara Suma | Nuclear Medicine |
| 26 | Dr G Swyritha | Pathology |
| 27 | Dr Varaprasad K.G. | Pathology |
| 28 | Dr Devanga Sravani | Radiology |
| 29 | Dr Penubala Shalini Devi | Radiology |
| 30 | Dr V. C. Venkatesh | Radiology |
| 31 | Dr L. Subramanyam | Radiology |
| 32 | Dr Vishnu Prasad | Radiology |
| 33 | Dr Prasanthi Meesala | Radiology |
| 34 | Dr Harshit Soni | Radiology |
| 35 | Dr Gudi Haripriya | Radiotherapy |
| 36 | Dr Anusha Gandhavalli | Radiotherapy |
| 37 | Dr Kalasamudram Sravani | Radiotherapy |
| 38 | Dr Keerthi C | Trans. Medicine |

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1.3 Ph.D. Degree: (For the year 2020-21, the institute has awarded 5 Ph.D. degrees in Allied Health Sciences)

| S.No. | Name of the student | Faculty Under which registered | Department of study |
|-------|---------------------|--------------------------------|---------------------|
| 1 | Mr.P.Pullaiiah | Medical | Biochemistry |
| 2 | Ms.T.Sasikala | Medical | Biochemistry |
| 3 | Mr.S.Naresh | Medical | Biochemistry |
| 4 | Mr.Rishi Gowtham R | Allied Health Sciences | Microbiology |
| 5 | Ms.Meenakshi Kante | Medical | Microbiology |

1.4 M.B.B.S.

| S.No. | Name of student | S.No. | Name of student | S.No. | Name of student |
|-------|-------------------------------|-------|----------------------------------|-------|---------------------------------|
| | 2015 – 2020 Batch | 31 | Avula Sony | 63 | Gayathri Devi Gunta |
| 1 | Challa Tajaswi | 32 | B K Vineesha | 64 | Golla Prathyusha |
| 2 | Chatla Susi Supriya | 33 | B Shefali Ushasree | 65 | Gopi Reddy Sai Harshini |
| 3 | Chodiseti Gnaneswari | 34 | Banda Bhavya | 66 | Gorla Gowri |
| 4 | Gatram Jyothsna sai | 35 | Bandari Monika | 67 | Gowrammagari Pavani |
| 5 | Madasi Nagaraju Saranya | 36 | Bandi Geetha Lahari | 68 | Guddeti Bhargavi |
| 6 | Madasu Mounika | 37 | Bandi Poojitha | 69 | Gudisa Sowjanya |
| 7 | Mandalika Annapurna | 38 | Bassetty Venkata Mounika | 70 | Gudivada Vinaya |
| 8 | Mangiri Likhitha | 39 | Bhavana Kolli | 71 | Guntumadugu Swetha |
| 9 | Mohitha Chowdary Mallipeddi | 40 | Bhimavaram Jeevani | 72 | Guvvala Meghana Reddy |
| 10 | Munga Mounika | 41 | Birudala Sphoorthy | 73 | Hanuma Lakshma Krishna Vani Bai |
| 11 | Namballa Reena Srilakshmi | 42 | Bodela Sruthi | 74 | Itikela Krishna Sai |
| 12 | Nuthalapati Deepthi | 43 | Boga Vaishnavi | 75 | Jellela Bhavana |
| 13 | Palaparthi Keerthi Krishna | 44 | Bojja Sarvani | 76 | K Sree Lekha |
| 14 | Pallam Prathyusha | 45 | Bolleddu Spandana | 77 | K Yamuna |
| 15 | Pinipay Angel | 46 | Bolli Saisree | 78 | Kalathur Pooja |
| 16 | Pinnamraju Narmada | 47 | Bommu Jahnavi | 79 | Kaluvai Revathi |
| 17 | Ramireddy Sai Bindu | 48 | Boyarevula Venkata Naga Gayathri | 80 | Kanala Meenamrutha |
| 18 | Shaik Sonia | 49 | Bukke Keerthana | 81 | Karamthoti Swathi |
| 19 | Talagana Geeta Rani | 50 | CH Sirisha Reddy | 82 | Karreddula Hari Priya |
| 20 | Tata Kavya | 51 | Chandragiri Venkata Monika | 83 | Kasi Reddy Ooha Reddy |
| 21 | Tummala Ratna Sirisha | 52 | Cherukuru Namratha Vaghdevi | 84 | Katta Sarayu Prasanthi |
| 22 | Yalamanchili Hasitha | 53 | Chintala Gayathri | 85 | Kattina Monica |
| | 2016 – 2021 Batch | 54 | D Sindhu | 86 | Kolar Neeraja |
| 23 | A Charane Sree | 55 | Dasari Sai Nishma | 87 | Kommireddy Haneesha |
| 24 | A Sai Sucharitha | 56 | Dondapati Pooja Chowdary | 88 | Kommula Deeshna Reddy |
| 25 | Aarthi Siva Saichandra Bonala | 57 | Dubba Jahnavi | 89 | Konanki Bhavishya |
| 26 | Abbareddy Thriveni | 58 | Eskala Jyosthna Devi | 90 | Konapalli Sai Gowthami |
| 27 | Akkapeddi Sri Aryavalli | 59 | G Kalyani | 91 | Koneti Chandini |
| 28 | Anjali Perwala | 60 | G Sahithi | 92 | Kongi Sivasai Madhuri |
| 29 | Arpula Gautami | 61 | Gadde Srilekha | 93 | Kothinti Mahendrareddy Bhavana |
| 30 | Atcham Likitha Yadav | 62 | Galeti Sreevani | 94 | Kottapalli Sravana Lekha |

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| S.No. | Name of student |
|-------|----------------------------|
| 95 | Kundurthi Niharika |
| 96 | L Prakhya |
| 97 | M Divya Bharathi |
| 98 | M Guru Priya |
| 99 | M Kavyasri |
| 100 | M Neha |
| 101 | M V Vinaya Preethika |
| 102 | Mabbu Tejaswi |
| 103 | Madala Gayathri |
| 104 | Malli Vishma |
| 105 | Manellore Prathyusha |
| 106 | Mannekunduri Sai Vaishnavi |
| 107 | Mannem Meghana Sumalini |
| 108 | Meda Lavanya |
| 109 | Menapati Sireesha |
| 110 | Modepalli Alekhya |
| 111 | Molla Masradjaha |
| 112 | Mudhi Srujitha |
| 113 | N G Aparna |
| 114 | Nalanuthala VS Shreya |
| 115 | Nallamothu Sri Sai Meghana |
| 116 | Narapareddy Krishna Priya |

| S.No. | Name of student |
|-------|------------------------|
| 117 | Navya Tadeepali |
| 118 | Neesu Pravallika |
| 119 | Nellore Tejaswini |
| 120 | Obullam Sri Sai |
| 121 | Pagidala Mehraj |
| 122 | Pasupula Mahe Jabeen |
| 123 | Patam Thejaswini |
| 124 | Pathapati Navyatha |
| 125 | Peram Raga Priya |
| 126 | Peram Vasavi |
| 127 | Pulikallu Deepika |
| 128 | Pyreddy Rishitha Reddy |
| 129 | Reddi Priyanka |
| 130 | Rongali Gayatri |
| 131 | Sagili Sindhuri Reddy |
| 132 | Sampat Ananthshree Bts |
| 133 | Sanku Sai Rachana |
| 134 | Sannikanti Haindavi |
| 135 | Segu Navya |
| 136 | Shaik Asifa Banu |
| 137 | Shaik Koushika |
| 138 | Shaik Monisa Anjum |

| S.No. | Name of student |
|-------|---------------------------------|
| 139 | Singari Vyshnavi |
| 140 | Singasani Shreeja |
| 141 | Sirusala Srinija |
| 142 | Sushma Chowdary Valiveti |
| 143 | Tallapelli Mounika |
| 144 | Tatam Hari Priya |
| 145 | Thanikanti Muni Sai Sravya |
| 146 | T. Rachana Ramchandran |
| 147 | Thunuguntla Poojasree |
| 148 | Udayagiri Venkata Lakshmi Priya |
| 149 | Ulavapati Krishna Swetha |
| 150 | Uppala Priyanka |
| 151 | Vaddepalli Akshitha |
| 152 | Valasingam Soudhamini |
| 153 | Valluru Anusha |
| 154 | Viswanatham Vyshnavi |
| 155 | Yarramsetty Sravani |
| 156 | Yella Prasanthi |
| 157 | Yeruva Dhathrika Sowmya |
| 158 | Yesaswi Kuchi |

1.5 M.Sc. Nursing

| S.No. | Name of the student | Speciality |
|-------|-------------------------|--------------------------|
| 1 | B. Anjali | Paediatric Nursing |
| 2 | K. Kalyani | Paediatric Nursing |
| 3 | P.Shalini | Paediatric Nursing |
| 4 | G. Vijayakumar | Paediatric Nursing |
| 5 | V. Ghousabee | Community Health Nursing |
| 6 | P. Gowri Devi | Community Health Nursing |
| 7 | Mr. Vishnuvardhan | Community Health Nursing |
| 8 | T. Hemavathi | Community Health Nursing |
| 9 | Y. Lavanya | Community Health Nursing |
| 10 | J. Vinoliya Sasi Kumari | Community Health Nursing |
| 11 | K. Vijayanirmala | Community Health Nursing |

| S.No. | Name of the student | Speciality |
|-------|-----------------------|-----------------------|
| 12 | J. Gopi | Med. Surgical Nursing |
| 13 | P. Nagajyothi | Med. Surgical Nursing |
| 14 | K.Balaraju Naik | Med. Surgical Nursing |
| 15 | C. Bhargavi | OBG Nursing |
| 16 | G. Bharathi | OBG Nursing |
| 17 | N.Dhana Lakshmi | OBG Nursing |
| 18 | B. Jerusha Supriya | OBG Nursing |
| 19 | A. Srilatha | OBG Nursing |
| 20 | M. Vidya | OBG Nursing |
| 21 | T.N. Prasanna Lakshmi | Psychiatry Nursing |
| 22 | K. Sudha Blessy | Psychiatry Nursing |

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1.6.

| S.No. | Name of the student | Speciality |
|-------|----------------------|---------------------------|
| 1 | V. Jayakrishna Yadav | Cardiovascular & Pumonary |
| 2 | K. Sandhya Rani | Cardiovascular & Pumonary |
| 3 | S. Heena | Cardiovascular & Pumonary |
| 4 | M. Govindu Naik | Neurology |
| 5 | P.V. Madhavi | Neurology |
| 6 | S. Mohseena | Neurology |
| 7 | P. Aswani | Orthopaedics |
| 8 | B. Chenna Kesava | Orthopaedics |

| S.No. | Name of the student | Speciality |
|-------|---------------------|--------------|
| 9 | C.Deepika | Orthopaedics |
| 10 | G. Lokesh | Orthopaedics |
| 11 | Y.Samykya | Orthopaedics |
| 12 | P. Sumanjali | Orthopaedics |
| 13 | D. Vigneswari | Orthopaedics |
| 14 | K. Divya Reddy | Sports |
| 15 | T.M. Keerthana | Sports |
| 16 | T. Mounika | Sports |

1.7 M.Sc. Medical

| S.No. | Name of the student | Speciality |
|-------|---------------------|--------------|
| 1 | B. Uday Kumar | Anatomy |
| 2 | K. Naresh Kumar | Biochemistry |
| 3 | G. Naveena | Biochemistry |
| 4 | M. Suresh | Biochemistry |

| S.No. | Name of the student | Speciality |
|-------|---------------------|--------------|
| 5 | D. Girija | Microbiology |
| 6 | B.Venkata Komali | Microbiology |
| 7 | J.Vijaya Chandra | Microbiology |
| 8 | P. Ashok Kumar | Physiology |

1.8 M.Sc. (AHS) Courses

| S.No. | Name of the student | Speciality |
|-------|---------------------|------------------|
| 1 | P.M.Shifa khanam | Echocardiography |

| S.No. | Name of the student | Speciality |
|-------|---------------------|--|
| 2 | T.Anvesh sai | Cardiac Catheterization and interventional |

1.9 M.Sc. Life Sciences Courses

| S.No. | Name of the student | Speciality |
|-------|---------------------|---------------|
| 1 | M. Fathima | Biotechnology |
| 2 | T.Anusha | Biotechnology |
| 3 | P.Bhanu Prakash | Biotechnology |
| 4 | G.Bhavya | Biotechnology |
| 5 | R.Girish Nag | Biotechnology |
| 6 | T.Induu | Biotechnology |
| 7 | M.Iswarya | Biotechnology |
| 8 | M.Mrudula | Biotechnology |
| 9 | E.Naga Yoshitha | Biotechnology |
| 10 | M.Pavithra | Biotechnology |
| 11 | A.Prasad Kumar | Biotechnology |
| 12 | M.Rani Gayathri | Biotechnology |
| 13 | R.Roopa | Biotechnology |

| S.No. | Name of the student | Speciality |
|-------|----------------------|----------------|
| 14 | S.Lokesh Sai Kishore | Biotechnology |
| 15 | K.Arjun | Bioinformatics |
| 16 | M.Ayyappa | Bioinformatics |
| 17 | G.Parvallika | Bioinformatics |
| 18 | M.Geervani | Bioinformatics |
| 19 | C.Harika | Bioinformatics |
| 20 | M.Hemasree | Bioinformatics |
| 21 | P.Kavya | Bioinformatics |
| 22 | S.Lalithya | Bioinformatics |
| 23 | P.Muneendra | Bioinformatics |
| 24 | C.Nelamma | Bioinformatics |
| 25 | K.Sushma | Bioinformatics |

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1.10 B.Sc. Nursing

| S.No. | Name of student | S.No. | Name of student | S.No. | Name of student |
|-------|-----------------------|-------|----------------------------|-------|--------------------------|
| 1 | A Ganesh | 30 | Kavarthapu Aparna | 59 | R Kumari |
| 2 | A H Anitha | 31 | Kaveri Baby | 60 | Rasuri Narendra |
| 3 | A Priyanka | 32 | Konagiri Ramya | 61 | Rayavaram Lokeswari |
| 4 | A Swathi | 33 | Korrapati Jeshwinda | 62 | R. Munikumari |
| 5 | Abburu Rajasulochana | 34 | Kuruva Sreekanth | 63 | Satya Yamuna |
| 6 | Agraharam Kowsalya | 35 | M Archana | 64 | Shaik Arifa |
| 7 | Akkala Chandana | 36 | M Priya | 65 | Shaik Firdose |
| 8 | Arebithri Harika | 37 | M Rohini | 66 | Shaik Rashida |
| 9 | B Kaveri | 38 | Maddikari Nikitha | 67 | Shaik Shareefa |
| 10 | B Sai Leela | 39 | Maddikari Nirosha | 68 | Singamala Usharani |
| 11 | Battula Devi | 40 | Malligari Nishitha | 69 | T Syamala |
| 12 | Boyalla Umamaheswari | 41 | M. Eswar Reddy | 70 | Tandu Mounika |
| 13 | Chakali Saijyothi | 42 | Mangalapoodi Moshi | 71 | Thiravalluru Varalakshmi |
| 14 | Chandragiri Dharani | 43 | Margani Sowjanya | 72 | Thopugunta Sireesha |
| 15 | Chevuru Sridevi | 44 | Mogiligunta Devika | 73 | Thota Deepika |
| 16 | Chinepalli Sivani | 45 | Morennagari Sowjanya | 74 | Thota Meena Kumari |
| 17 | Donepathi Anusha | 46 | Mudduluru Reddy Saraswathi | 75 | Thulasiram Kusuma |
| 18 | Draksha Lakshmi Krupa | 47 | Mude Sai Ganesh | 76 | Tirumala Hindu Reddy |
| 19 | Etampuram Srivani | 48 | Murari Ramya Sree | 77 | Tupakula Kalpana |
| 20 | G Pavan | 49 | N Jyothsna | 78 | U Devi Priya |
| 21 | Gajjala Sravani | 50 | Palaka Nandini | 79 | Valleti Neeraja |
| 22 | Gedy Rohitha Priya | 51 | Panuganti Yasaswini | 80 | Vamkireddi Sai Poojitha |
| 23 | Gorla Ravi Kumar | 52 | Pasupuleti Bhavana | 81 | Y Roja |
| 24 | Govindu Kavya | 53 | Paturi Pallavi | 82 | Yacham Meghana |
| 25 | Guniganti Gowthami | 54 | Peddaguravagari Ramadevi | 83 | Y.Karthik Reddy |
| 26 | Ingilala Vandana | 55 | Podamekala Priyanka | 84 | Bokey Sireesha |
| 27 | K Naveena | 56 | Poola Monikasuma | 85 | M. Manasa |
| 28 | K Naveena | 57 | Pulikallu Gowthami | 86 | B. Vishnupriya |
| 29 | Kandlooru Meghana | 58 | P. Pravallika | 87 | Palamanda Ramyasree |

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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 | N.Anu Sree | 17 | V.Leela Madhavi | 33 | N.Sai Priya |
| 2 | Banavath Desha | 18 | Y.Madhuri | 34 | A.Saibharath |
| 3 | B.Devendra Naik | 19 | G.Mangamma Alekhya | 35 | C.Sandhya |
| 4 | M.Dheeraj | 20 | G.Manju Natha | 36 | R.Sasi Kumar |
| 5 | S.Divakar Naik | 21 | V.Mastanvali | 37 | S.Seema |
| 6 | G.B.Durga | 22 | D. Mithra | 38 | S.Sree Chandana |
| 7 | K .Geethasree | 23 | B.Mohan Krishna | 39 | L.Sukeerthi |
| 8 | N.Harshini Reddy | 24 | V.Mrudhula Sree | 40 | G.Sushmitha |
| 9 | G.Hema | 25 | A.Naga Pranavi | 41 | Gudali. Susmitha |
| 10 | K.Hemalataha | 26 | P.Nikhitha | 42 | B.Swarna Rekha |
| 11 | P.Hemasree | 27 | P.Nikitha | 43 | R.Tejaswini |
| 12 | K .Hemima | 28 | B.V.Pavithra | 44 | S.Thejasree |
| 13 | S.Jithendra | 29 | R.Pravalika | 45 | S.Umeera |
| 14 | N.Jyoshna | 30 | P.Priyanjali | 46 | K .Venkata Sai Kishore |
| 15 | R.Kavyaleela | 31 | A.Reddinaveena | 47 | P.Shanthipriya |
| 16 | M.Lakshmi Prasanna | 32 | S.Reshma | | |

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 | A. Anand Gopi | AT | 20 | E. Priyanka | ECG & CVT |
| 2 | A. Sushmaja | AT | 21 | G. Nagalakshmi | ECG & CVT |
| 3 | A. Ranjitha | AT | 22 | P. Mounika | ECG & CVT |
| 4 | Ch.Rajeswari | AT | 23 | V. Hemavathi | ECG & CVT |
| 5 | C.Varun Yadav | AT | 24 | S.Nagajyothi | ECG & CVT |
| 6 | E.Hemalatha | AT | 25 | K Naveen | EMST |
| 7 | N.Chandu | AT | 26 | K. Divya | EMST |
| 8 | R.Tejaswini | AT | 27 | M Bhagyalakshmi | EMST |
| 9 | S. Roshini | AT | 28 | P Nandhini | EMST |
| 10 | Y. Sireesha | AT | 29 | J.Geeshnva Sri | MLT |
| 11 | N.Lavanya | CPPT | 30 | K Bhavya | MLT |
| 12 | G. Mansoor | CPPT | 31 | M S Vinitha | MLT |
| 13 | G. Rakesh | DT | 32 | M. Anuradha | MLT |
| 14 | J. Ruchitha | DT | 33 | M.Mounika | MLT |
| 15 | K V Dhanalakshmi | DT | 34 | M Swetha | MLT |
| 16 | M.Nikhila | DT | 35 | N. Gayathri | MLT |
| 17 | P.Lavanya | DT | 36 | N.Soumya | MLT |
| 18 | S. Pooja | DT | 37 | P Induja | MLT |
| 19 | A R Gayathri | ECG & CVT | 38 | S Geethika | MLT |

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| S.No. | Name of the student | Speciality |
|-------|---------------------|------------|
| 39 | Shaik Samja | MLT |
| 40 | T Bhargavi | MLT |
| 41 | T.Jaya | MLT |
| 42 | Ch.Mouneesha | MLT |
| 43 | Dakshayani D | MLT |
| 44 | P. Thajini | MLT |
| 45 | M. Venkata Sadhana | NMT |
| 46 | N. Prudhvi Poorna | NMT |
| 47 | M.Leelavathi | NPT |

| S.No. | Name of the student | Speciality |
|-------|---------------------|------------|
| 48 | P.Pavithra | NPT |
| 49 | N.Reshma | RIT |
| 50 | S Kousar Jahan | RIT |
| 51 | G. Tulaa Harini | RIT |
| 52 | R.Vandana | RIT |
| 53 | T.Pavan Kumar | RIT |
| 54 | V. Mounika | RIT |
| 55 | D.Priya | RIT |
| | | |

1.13 P.G. Diploma (Paramedical)

| S.No. | Name of student | Specialty |
|-------|------------------|-----------|
| 1 | K.Bhuvana Keethi | MRS |
| 2 | Jyothi Reddi | MRS |
| 3 | K.Mohiddin | MRS |

| S.No. | Name of student | Specialty |
|-------|-----------------|-----------|
| 4 | B.Sukanya | MRS |
| 5 | K.Parasuram | DT |

1.14 Post Basic Diploma in Nursing

| S.No. | Name of the student | Speciality |
|-------|---------------------|---|
| 1 | U. Lavanya | Cardiac intensive care and catheterization laboratory nursing |
| 2 | S. Nandini | Cardiac intensive care and catheterization laboratory nursing |
| 3 | Pavan Kalyan | Cardiac intensive care and catheterization laboratory nursing |
| 4 | V. Priyanka | Cardiac intensive care and catheterization laboratory nursing |
| 5 | P. Sandhya | Cardiac intensive care and catheterization laboratory nursing |

| S.No. | Name of the student | Speciality |
|-------|---------------------|-----------------------|
| 6 | Shaik Aishabegam | C.T. Surgery |
| 7 | P. Joshni | C.T. Surgery |
| 8 | I. Jyotshna Devi | C.T. Surgery |
| 9 | B. Jyothsna | C.T. Surgery |
| 10 | Pavan Kumar | C.T. Surgery |
| 11 | N. Gowthami | Haemo Dialysis |
| 12 | Veera Devi | Haemo Dialysis |
| 13 | B.Gurunath | Renal Transplantation |
| 14 | M.Gurulokesh | Renal Transplantation |

1.15 Diploma in Radiotherapy Technology

| S.No. | Name of student |
|-------|------------------|
| 1 | M.Sudhakar Naick |
| 2 | Mandadi Keerthi |

| S.No. | Name of student |
|-------|--------------------|
| 3 | Thaleti Roshini |
| 4 | Thurppu Asha latha |

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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 2021, 737 students from various institutes were undergone training. The details are as follows:

2.1 MD Courses

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|--|---|------------------|---|-------------------------------------|---|
| 1 2 3 4 5 6 | Dr K.S. Balaji Dr Shaik Khaja Dr P Rohith Raghavendra Dr G. Venkata Sai Phani Sankar Dr B. Lingappa Dr T. Dharmatheja | General Medicine | KMC, Kurnool | 1st – 31st January 2021 | Neurology Medical Oncology |
| 7 | Dr K. Bhargavi | Pathology | NRI Institute of Medical Sciences Visakhapatnam | 2nd January – 31st March 2021 | Pathology |
| 8 9 10 11 12 13 14 15 16 17 18 19 | Dr Y. Chandra Kiran Reddy Dr T. Bala Krishna Dr B. Pradeep Dr Mohamma Arif Shaik Dr M V S R Aravind Daxit Dr A. Nandha Kumar Dr C K. Mohan Sai Dr Y. Sreedevi Dr B. Kiranmayi Dr G.P. Vijayanthi Dr G. Divya Dr A. Sai Supraja | General Medicine | Government Medical College Kapada | 1st January – 28th February 2021 | Neurology Endocrinology |
| 20 21 22 23 24 25 26 | Dr G. Hari Simha Dr A. Srinivas Dr K. Haritha Dr B. Ashok Kumar Reddy Dr B. Manoj Dr H. Nithya Sree Dr M. Raju | General Medicine | Santhiram Medical College and General Hospital, Nandyal, Kurnool | 1st – 31st January 2021 | Neurology Endocrinology |
| 27 28 | Dr N.Y.S. Rahul Dr M. Aparna | General Medicine | NRI Institute of Medical Sciences Visakhapatnam | 1st February – 31st March 2021 | Nephrology Endocrinology Rheumatology |
| 29 30 | Dr V. Gnanaprasuna Dr A. Lathasree | General Medicine | Government Medical College Anantapuramu | 4th February – 30th April 2021 | Neurology Nephrology Endocrinology |

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| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|--|---|-------------------------|--|---------------------------------------|---|
| 31 32 33 34 | Dr K Sham Charan Naaidu Dr K. Neelima Dr Y. Divya Dr J. Tirumala | | | | |
| 35 | Dr. T. Madhulekha | General Medicine | NRI Institute of Medical Sciences Visakhapatnam | 1st – 31st March 2021 | Endocrinology Rheumatology |
| 36 | Dr B. Ravi Teja | General Medicine | Government Medical College Anantapuramu | 6th July – 31st August 2021 | Nephrology Endocrinology Neurology |
| 37 | Dr P. Balaji | Pulmonary Medicine | S V Medical College Tirupati | 10th July – 31st August 2021 | Radiology Cardiology RICU/ Anaesthesia |
| 38 | Dr G. Nandini Bai | General Medicine | Government Medical College Anantapuramu | 2nd September – 31st October 2021 | Nephrology Endocrinology Neurology |
| 39 | Dr T. Priyanka | Respiratory Medicine | S V Medical College Tirupati | 15th September – 31st October 2021 | Radiology Cardiology RICU |
| 40 41 42 43 44 45 46 47 | Dr NimmanapalliThaseensoha Dr P. Sowmya Dr S.K. Prashanth Dr Manyem Manoj Dr Nayani Sri Sai sumanth Dr Thota Lokesh Dr Mannam Aasa latha Dr Maniyar AzraTabassum | General Medicine | S V Medical College Tirupati | 17th December 21 – 1st February 22 | Neurology Cardiology Endocrinology Medical Oncology |

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2.2 MS Courses

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|--|--|-----------------|--|---|---|
| 48 49 50 51 52 53 | Dr U. Shiva Dr G. Chandra saveri Dr N. L. Raga Malika Dr CH. Naveen Dr S. Jaya Lakshmi Dr Mounty Raj Chilukoti | General Surgery | Rangaraya Medical College Kakinada 11th -26th January 2021 & 3rd - 11th March 2021 16th February – 11th March 2021 | 8th - 28th January – 2021 | Surgical GE |
| 54 55 56 57 | Dr N L Raga Malika Dr U. Shiva Dr G. Chandra Saveri Dr C. Naveen | General Surgery | Rangaraya Medical College Kakinada | 27th January – 5th February 2021 | C T Surgery |
| 58 59 60 61 62 63 64 65 66 | Dr G. Madhavi Dr Y. Pallavi Dr Shaik Naima Dr B. Keerthi Dr K.Masthanamma Dr Syed Sameera Dr P.S. Chandana Dr N. Triveni Dr B. Aruna | OBG | S V Medical College Tirupati | 11th – 28th February 2021 | Endocrinology Surgical Oncology Radiotherapy |
| 67 68 | Dr M. Akhila Dr K. Venkata Krishna | General Surgery | S V Medical College Tirupati | 2nd March – 30th April 2021 2nd - 31st March 2021 1st - 31st August 2021 | Surgical GE Surgical Oncology |
| 69 | Dr Shaik Shahul Hameed | General Surgery | S V Medical College Tirupati | 1st – 30th April 2021 1st – 30th June 2021 | Surgical Oncology Surgical GE |
| 70 71 72 73 | Dr P. Veera Reddy Dr Y. Anand Babu Dr B. VenkataRadha Krishna Teja Dr V. Manognitha Reddy | General Surgery | S V Medical College Tirupati | 1st-31st May 2021 & 1st-31st Aug. 21 1st-31st July 2021 1st-31st May 2021 1st-31st Aug. 2021 1st-31st Dec. 2021 1st-31st July 2021 & 1st-31st Aug.21 | Surgical Oncology Surgical GE |
| 74 | Dr. B. Gopala Krishna | General Surgery | S V Medical College Tirupati | 1st-31st July 2021 & 1st-30th Nov. 2021 | Surgical GE Surgical Oncology |
| 75 | Dr Shaik Tauseef Ahmed | | | 1st-30th Sept. 2021 & 1st-31st Oct. 2021 | Surgical GE Surgical Oncology |

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| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|-------|---------------------------------------|-----------------|---------------------------------|---|---|
| 76 | Dr. V. Naga Roja | | | 1st-30th Sept.2021 & 1st-31st Dec.2021 | Surgical GE Surgical Oncology |
| 77 | Dr. C. Lakshmi Narayana | | 1st-31st Oct. 2021 & | Surgical GE 1st-31st Dec. 2021 | Surgical Oncology |
| 78 | Dr. U. Jagadeeshwar | | | 1st-31st Oct. 2021 & 1st-30th Sep.2021 | Surgical GE Surgical Oncology |
| 79 | Dr. K. Praveen Kumar | | | 1st-31st Dec. 2021 & 1st-30th Nov.2021 | Surgical GE Surgical Oncology |
| 80 | Dr K. Vinod Kumar | General Surgery | S V Medical College Tirupati | 15th June – 14th July 2021 15th-31st July 202 | Surgical GE Surgical Oncology |
| 81 | Dr M. Yaswanth Kasyap | General Surgery | S V Medical College Tirupati | 1st-30th Sept. 2021 &1st-30th Nov.2021 | Surgical Oncology Surgical GE |
| 82 | Dr V. Puneetha | General Surgery | S V Medical College Tirupati | 1st-31st Oct.2021 & 1st-31st Dec. 2021 | Surgical Oncology Surgical GE |
| 83 | Dr P. Sainandan Reddy | General Surgery | ASRAM, Eluru | 1st-30th Nov.2021 | Surgical GE |
| 84 | Dr Santhosh Vytla | | | | |
| 85 | Dr G. Dinesh Kumar | General Surgery | S V Medical College Tirupati | 1st-30th Nov.2021 & 1st – 31st Jan.2021 | Surgical GE Surgical Oncology |
| 86 | Dr Mamilla Aishwarya Rajasekhar | General Surgery | S V Medical College Tirupati | 1st January - 28th February 2022 | Surgical GE |
| 87 | Dr Udayagiri Shanmukha Srinivasulu | | | | Surgical Oncology |

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2.3 DM Course

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|----------------------|---|------------|--|---------------------------------|------------------|
| 88 89 90 91 | Dr. Krishna Suresh Dr R. Kaaviya Dr Hanock unni Samuel Dr S. Kiruthika | Nephrology | Government Kilpauk Medical College and Hospital, Chennai | 2nd – 14th March 2021 | Nephrology |
| 92 | Dr M. Prabu | Nephrology | Kovai Medical Center & Hospital Coimbatore | 3rd January – 2nd February 2022 | Nephrology |

2.4 MS Shalya

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|----------------|---|--------|-----------------------------------|---------------------------|------------------|
| 93 94 95 | Dr B Venkateswarlu Dr Y Likitha Dr A Gnanasudha | Shalya | S V Ayurveda College TTD Tirupati | 7th – 30th September 2021 | General Surgery |

2.5 MBBS

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|-------|-----------------------------|--------|--|---------------------------------|------------------|
| 96 | Thammi Reddy Gari Ujwala | MBBS | Santhiram Medical College and General Hospital Nandyal | 15th Nov. 2021 to 14th May 2022 | Medicine |

2.6 Pharm. D Courses (S.No. 97 to 311)

The 5th year (25 Nos.) students of Pharm. D, from Krishna Teja Pharmacy College, Tirupati were permitted for specialty training in the Dept. of Medicine, Endocrinology, Nephrology, Medical Oncology & General Surgery w.e.f. 10th February, 2021 to 9th July, 2021.

The 2nd year (23 Nos.) & 3rd year (20 Nos.) students of Pharm. D Course, Krishna Teja Pharmacy College, Tirupati were permitted for specialty training in the Depts. of General Surgery, Medicine, Cardiology, Endocrinology, Nephrology & Paediatrics w.e.f. 12th April 2021 to 11th May, 2021.

The 2nd year (33 Nos.), 3rd year (29 Nos.) & 4th year (29 Nos.) students of Pharm. D Course, Seven Hills College of Pharmacy, Tirupati were permitted for specialty training in the Depts. of Medicine, OBG, General Surgery, Paediatrics, Psychiatry & Dermatology w.e.f. 1st March 2021 to 30th June, 2021.

The 2nd year (25 Nos.) & 3rd year (28 Nos.) students of Pharm. D Course, Sree Vidyanikethan College of Pharmacy, Tirupati were permitted for specialty training in the Depts. of Medicine, OBG, General Surgery, Paediatrics, Psychiatry & Dermatology w.e.f. 1st April 2021 to 31st June, 2021.

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P. Dandu Mubeen Taj & Magham Pavani, 3rd year PB Internship students of Pharm. D course, Sree Vidyanikethan College of Pharmacy, Tirupati is permitted for Internship in the departments of Orthopedics, OBG, General Surgery, Cardiology, Nephrology, Medicine, Endocrinology, Neurology & Emergency Medicine w.e.f. 16th March, 2021 to 5th March, 2022.

Nagoori Nowjiya, 3rd year PB Internship students of Pharm. D course, Seven Hills College of Pharmacy, Tirupati is permitted for Internship in the departments of Emergency Medicine, Medicine, Nephrology, Endocrinology, Neurology, Medical Oncology, OBG, Psychiatry and General Surgery w.e.f. 15th April, 2021 to 14th April, 2022.

The following Internship 6th year students(27 nos.) of Pharm. D, Sree Vidyanikethan 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. 13th November 2021 to 12th November, 2022.

| S.No. | Name of student | S.No. | Name of student | S.No. | Name of student |
|-------|-------------------------------|-------|------------------------------|-------|------------------------------|
| 312 | Stanley Abishek Mathew | 321 | Shaik Gousin | 330 | Ganji Pavana Yadav |
| 313 | Ambati Akhila | 322 | G Hemanth Kumar | 331 | Desuri Saidivya |
| 314 | Diddekunta Anil | 323 | P Jayasree | 332 | Pathi Saraswathi |
| 315 | Tugu Aswini | 324 | Velagambeti Jeswitha | 333 | Chintham Sasi Preetham Reddy |
| 316 | R B Balamurugan | 325 | Mekalathur Kowsalya | 334 | Annala Sindhuja |
| 317 | N Dharmika | 326 | Macha Kushmitha | 335 | Veluru Harsha Vardhan Reddy |
| 318 | Mude Dinesh Naik | 327 | Lasya Priya Thammireddy Gari | 336 | V Venkata Prasad |
| 319 | M Divya Bharathi | 328 | Gajula Mounika | 337 | Samaseni Vinitha |
| 320 | Pallamchowdeswari Divya Priya | 329 | Kollu Navyateja Reddy | 338 | Jillella Yasaswini |

The following Internship 6th year students (27 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. 13th November, 2021 to 31st October, 2022.

| S.No. | Name of student | S.No. | Name of student | S.No. | Name of student |
|-------|-----------------|-------|-----------------|-------|-----------------|
| 339 | B.Chathurya | 348 | K.Madhav Sharma | 357 | B.Sai Sushmitha |
| 340 | B.Dayana | 349 | A.Mamatha | 358 | P.Sai Tejaswini |
| 341 | L.Divya | 350 | B.Monika | 359 | Shaik Shabana |
| 342 | Durgaprasad | 351 | Mohammed Vasim | 360 | M.Siva |
| 343 | B.Khirun | 352 | Munikiran Reddy | 361 | S.Sushmitha |
| 344 | R.Kishore | 353 | L.Nishanth | 362 | Suveda. B |
| 345 | L.Kranthi | 354 | P.O.Thendral | 363 | K.Thoshitha |
| 346 | D.Lavanya | 355 | Pavan Sai | 364 | K.Vamsi |
| 347 | M.V.D Madhurima | 356 | R.S.Vishnupriya | | |

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The following Internship 6th year students (23 nos.) of Pharm D course, Krishna Teja College of Pharmacy, Tirupati were permitted for Internship in the Dept. of ENT, Dermatology, Paediatrics, OBG, General Surgery, Medicine, Neurology, Nephrology, Endocrinology, Cardiology & Emergency Medicine w.e.f. 3rd January, 2022 to 31st December, 2022.

| S.No. | Name of student | S.No. | Name of student | S.No. | Name of student |
|-------|-------------------|-------|---------------------------------|-------|----------------------------|
| 365 | Adon | 372 | J .Gnanaeswari | 379 | Priyanka S K Nisha Z |
| 366 | A. Himavarsha | 373 | Jogi Pravalika | 380 | N. Jyothsna |
| 367 | B. Harshitha | 374 | K. Yamini Krishna | 381 | N. Sai Lahari |
| 368 | D. Pravallika | 375 | K R. Sangamithra | 382 | P. Subhashini |
| 369 | E E. Revathi | 376 | K. Sree Vasumathi | 383 | T R Hemavathi |
| 370 | E. Naveena | 377 | L. Jayasree | 384 | Vivekvardhan P H |
| 371 | Surya Narayana. P | 378 | G B. Prathyusha Savali Srikanth | 385 | Vuchuru Nitish Para Pavani |

2.7 . B.Sc. (N) (S.No. 386 to 724)

The students of 3rd year B.Sc. (N) (47 nos.), Sree Vidyanikethan College of Pharmacy, Tirupati were permitted for specialty training in the departments of Medical Oncology, Surgical Oncology, Radiation Oncology, Neurosurgery and Neurology for a period of one (01) month w.e.f. 01/03/2021 to 31/03/2021.

The students of 1st year B.Sc. (N) (40 nos.), 2nd year (36 nos.), 4th year (39 nos.) & 3rd year GNM (18 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the various departments Depts. for a period of one (01) month w.e.f. 01/09/2021 to 30/09/2021.

The 3rd year students of B.Sc. (N) (36 nos.) & 2nd year GNM (22 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the various departments Depts. for a period of one (01) month w.e.f. 01/10/2021 to 31/10/2021.

The 2nd year students of M.Sc. (N) (07 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the Dept. of Cardiology & CT. Surgery w.e.f. 14/10/2021 to 22/11/2021.

The 1st year students of M.Sc. (N) (06 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology & Radiation Oncology w.e.f. 22/11/2021 to 27/11/2021.

The 3rd year students of B.Sc. (N) (88 nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology & Radiation Oncology w.e.f. 24/11/2021 to 07/12/2021.

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2.8 PhD, Paramedical, Life Sciences

| S. No | Name | Course | Institution | Period of posting | Place of Posting |
|--|---|-------------|-------------------------------------|-------------------------------|------------------|
| 725 726 727 728 729 | B. Poornima P. Hemanth G. Amrutha Lahari S. Jaswanth E. Sai Vani | D. BME | S.V. Govt. Polytechnic, Tirupati | 1st October – 31st March 2021 | Stores |
| 730 731 732 733 734 735 | R. Sandhya Rani D. Neeraj Kumar B. Thulasi G. Roshini E. Prabhudeva T. Sunil | D. Pharmacy | S.P.W Polytechnic College, Tirupati | 21st Oct - 20th Dec. 2021 | Stores |
| 736 | K. Venusri | D. Pharmacy | S.P.W Polytechnic College, Tirupati | 22nd November- 22nd Feb. 2021 | Stores |

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 | 03 | 01 | 04 |
| 2 | Professor | 36 | 10 | 46 |
| 4 | Associate Professor | 22 | 15 | 37 |
| 5 | Assistant Professor | 50 | 28 | 78 |
| 6 | Chief Medical Officer (SAG) | 02 | 01 | 03 |
| 7 | Chief Medical Officer | 04 | - | 04 |
| 8 | Senior Medical Officer (SMO) | - | 01 | 01 |
| | Total | 117 | 56 | 173 |

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Faculty on Compulsory service

| S.No. | Cadre | Male | Female | Total |
|-------|---|-----------|-----------|-----------|
| 1 | Lecturer/Resident Specialist | 13 | 23 | 36 |
| 2 | Assistant Professor/ Resident Super Specialist | 09 | 04 | 13 |
| | Total | 22 | 27 | 49 |

Residents

| S.No. | Cadre | Male | Female | Total |
|-------|----------------------------------|-----------|-----------|------------|
| 1 | PG Junior Residents (MD) | 26 | 45 | 71 |
| 2 | Non-PG Junior Residents | 03 | 07 | 10 |
| 3 | PG Senior Residents (DM/MCh/PDF) | 35 | 09 | 44 |
| 4 | Non-PG Senior Residents | 10 | 09 | 19 |
| | Total | 74 | 70 | 144 |

Non-Faculty - Regular

| S.No. | Cadre | Male | Female | Total |
|-------|-------------------|------------|------------|------------|
| 1 | Officer Cadre | 20 | 14 | 34 |
| 2 | Ministerial Staff | 28 | 07 | 35 |
| 3 | Paramedical Staff | 65 | 50 | 115 |
| 4 | Nursing Staff | 01 | 112 | 113 |
| 5 | University Staff | 06 | 23 | 29 |
| | TOTAL | 120 | 206 | 326 |

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 | Security Officer | 02 | 0 | 02 |
| 10 | Medical Physicist | 03 | 0 | 03 |
| 11 | Public Health Nurse | 01 | 0 | 01 |
| 12 | Network Administrator | 01 | 0 | 01 |
| 13 | Ophthalmic Assistant | 01 | 0 | 01 |
| 14 | Radio pharmacist | 0 | 01 | 01 |
| 15 | Chartered Accountant (Inter) professional | 0 | 01 | 01 |
| | Total | 11 | 73 | 84 |

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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 have joined on adhoc/tenure basis during the year 2021

Faculty:

| S.No. | Name of the Faculty | Designation | Department |
|-------|-----------------------------|---------------------|------------------|
| 1 | Dr. Narendra Reddy. C | Assistant Professor | Dentistry |
| 2 | Dr. Prerana Anthwal | Assistant Professor | ENT |
| 3 | Dr. Suryudu | Assistant Professor | Medicine |
| 4 | Dr. V. Pradeep | Assistant Professor | Medicine |
| 5 | Dr. M. Krishnakumar | Assistant Professor | Medicine |
| 6 | Dr. Suchi Deeksha | Assistant Professor | OBG |
| 7 | Dr. Mrudula Chelamkuri | Assistant Professor | OBG |
| 8 | Dr. G. Swetha Rao | Assistant Professor | Psychiatry |
| 9 | Dr. R. Bhanu Prakash | Assistant Professor | DVL |
| 10 | Dr. Yadhu Bushanam | Assistant Professor | Anaesthesiology |
| 11 | Dr. G. Aprana | Associate Professor | Medicine |
| 12 | Dr. D.V.S. Kiran Kumar | Assistant Professor | Medical Oncology |
| 13 | Dr. M. Monica Sai | Assistant Professor | Medicine |
| 14 | Dr. P. Kushala | Assistant Professor | Medicine |
| 15 | Dr. P. Abhinaya | Assistant Professor | Medicine |
| 16 | Dr. K.V. Kishore Tangalle | Assistant Professor | General Surgery |
| 17 | Dr. Ganesh Kumar Mallaram | Assistant Professor | Psychiatry |
| 18 | Dr. P. Masthan Basha | Assistant Professor | Radiotherapy |
| 19 | Dr. M.C. R Rama | Assistant Professor | Medicine |
| 20 | Dr. Thulasi Gokul | Assistant Professor | Pharmacology |
| 21 | Dr. B. Suguna | Assistant Professor | Pathology |
| 22 | Dr. V.M. Vikas | Assistant Professor | Cardiology |
| 23 | Dr. Devika Reddy Vakkakula | Assistant Professor | Medicine |
| 24 | Dr. Goutham Hanu Tammireddy | Assistant Professor | Neurosurgery |
| 25 | Dr. R. Ramesh Reddy | Assistant Professor | Medical Oncology |
| 26 | Dr. G. Ramachandraiah | Assistant Professor | Ophthalmology |
| 27 | Dr. Bharavi Chunduri | Assistant Professor | Cardiology |
| 28 | Dr. Gundra Sandeep Kumar | Assistant Professor | Cardiology |
| 29 | Dr. B. Phalgun | Assistant Professor | Cardiology |
| 30 | Dr Mayank Jadon | Assistant Professor | C.T.Surgery |
| 31 | Dr Shruti Bhatia | Assistant Professor | OBG |

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List of adhoc appointments on compulsory service (Faculty (M)):

| S.No | Name of the Faculty | Name of the Post | Department |
|------|-----------------------------|--|---------------|
| 1. | Dr. Madhava Naidu Yandrapu | Assistant Professor /Resident Super Specialist | Cardiology |
| 2. | Dr. Gajula Ram Pavan Kumar | Assistant Professor /Resident Super Specialist | Cardiology |
| 3. | Dr. Chandrasekhar Reddy P | Assistant Professor /Resident Super Specialist | Cardiology |
| 4. | Dr. Buddharaju P Varma | Assistant Professor /Resident Super Specialist | Endocrinology |
| 5. | Dr. Anusha N D | Assistant Professor /Resident Super Specialist | Endocrinology |
| 6. | Dr. Naga Alekhya B | Assistant Professor /Resident Super Specialist | Nephrology |
| 7. | Dr. Maria Bethsaida Manual | Assistant Professor /Resident Super Specialist | Nephrology |
| 8. | Dr. Sateesh Gudla | Assistant Professor /Resident Super Specialist | Neurology |
| 9. | Dr. Mohana Murali Krishna N | Assistant Professor /Resident Super Specialist | Neurosurgery |
| 10. | Dr.Hanuma Naik Banavath | Assistant Professor /Resident Super Specialist | Neurosurgery |
| 11. | Dr.Gokanapudi Sreeram | Assistant Professor /Resident Super Specialist | Neurosurgery |
| 12. | Dr. Lokesh Arora | Assistant Professor /Resident Super Specialist | Surgical G.E |

List of adhoc appointments on compulsory service (Senior Residents) 2021-2022

| S.No | Name of the Faculty | Name of the Post | Department |
|------|----------------------------|---------------------------|--------------------|
| 1 | Dr. Sharon Linnet | Lect./Resident Specialist | Anesthesiology |
| 2 | Dr. M. Kishore | Lect./Resident Specialist | Anesthesiology |
| 3 | Dr. K. Krishna Priya | Lect./Resident Specialist | Anesthesiology |
| 4 | Dr. M. Harshavardhan | Lect./Resident Specialist | Anesthesiology |
| 5 | Dr. Sahana B N | Lect./Resident Specialist | Anesthesiology |
| 6 | Dr. T. Karthika | Lect./Resident Specialist | Anesthesiology |
| 7 | Dr. P. Sameera Vani | Lect./Resident Specialist | Anesthesiology |
| 8 | Dr. B. Radhika | Lect./Resident Specialist | Anesthesiology |
| 9 | Dr. Pralayakaveri Jyothsna | Lect./Resident Specialist | Biochemistry |
| 10 | Dr. G. Pavan Kumar | Lect./Resident Specialist | Emergency Medicine |
| 11 | Dr.S.Sadasiva Raju | Lect./Resident Specialist | Emergency Medicine |
| 12 | Dr. K. Hemsai | Lect./Resident Specialist | Medicine |
| 13 | Dr. Sunil Kumar C | Lect./Resident Specialist | Medicine |
| 14 | Dr. N. Mounika | Lect./Resident Specialist | Medicine |
| 15 | Dr. C.V.S. Manasa | Lect./Resident Specialist | Medicine |
| 16 | Dr. Nandaluri Sairam | Lect./Resident Specialist | Medicine |
| 17 | Dr. Mounika Gopalam | Lect./Resident Specialist | Medicine |
| 18 | Dr. Lavanya S | Lect./Resident Specialist | Medicine |
| 19 | Dr. Haneesha M | Lect./Resident Specialist | Medicine |
| 20 | Dr. K. Vineela | Lect./Resident Specialist | Microbiology |
| 21 | Dr. D.S. Hemalatha | Lect./Resident Specialist | Nuclear Medicine |
| 22 | Dr. Nimmagadda Ajit | Lect./Resident Specialist | Nuclear Medicine |
| 23 | Dr. Kanala Sai Krishnaja | Lect./Resident Specialist | Nuclear Medicine |
| 24 | Dr. T. Medara Suma | Lect./Resident Specialist | Nuclear Medicine |
| 25 | Dr G. Haripriya | Lect./Resident Specialist | Radiotherapy |
| 26 | Dr Devanga Sravani | Lect./Resident Specialist | Radiology |
| 27 | Dr. V.C. Venkatesh | Lect./Resident Specialist | Radiology |

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| S.No | Name of the Faculty | Name of the Post | Department |
|------|--------------------------|---------------------------|----------------------|
| 28 | Dr. L. Subramanyam | Lect./Resident Specialist | Radiology |
| 29 | Dr. Vishnu Prasad | Lect./Resident Specialist | Radiology |
| 30 | Dr. Harshit Soni | Lect./Resident Specialist | Radiology |
| 31 | Dr. Prasanthi Meesala | Lect./Resident Specialist | Radiology |
| 32 | Dr. Anusha Gandhavalli | Lect./Resident Specialist | Radiotherapy |
| 33 | Dr. Kalasamudram Sravani | Lect./Resident Specialist | Radiotherapy |
| 34 | Dr. Varaprasad G.K | Lect./Resident Specialist | Pathology |
| 35 | Dr. G Swyritha | Lect./Resident Specialist | Pathology |
| 35 | Dr. Keerthi .C | Lect./Resident Specialist | Transfusion Medicine |

List of Junior Resident (on Adhoc Basis)

| S.No | Name of the Faculty | Name of the Post | Department |
|------|----------------------------|------------------|------------------|
| 1. | Dr. G. Gayathri Bhat | Junior Resident | COVID Hospital |
| 2. | Dr. Kanala Indrasena Reddy | Junior Resident | COVID Hospital |
| 3. | Dr. P. Bhuvan Tej Reddy | Junior Resident | COVID Hospital |
| 4. | Dr. Bhargava Phani Krishna | Junior Resident | ENT |
| 5. | Dr. Owk. Esther | Junior Resident | Nephrology |
| 6. | Dr. K. Geetha Bhargavi | Junior Resident | Aarogyasri & EHS |
| 7. | Dr. D. Prathyusha | Junior Resident | Aarogyasri & EHS |
| 8. | Dr. Pinnamraju Narmada | Junior Resident | C.T. Surgery |

List of Senior Resident (on Adhoc Basis):

| S.No | Name of the Faculty | Name of the Post | Department |
|------|-------------------------------|------------------|-----------------|
| 1. | Dr. Rajamani Kamsani | Senior Resident | General Surgery |
| 2. | Dr. Mulakala Sravya Keerthi | Senior Resident | General Surgery |
| 3. | Dr. Ramnish Goyal | Senior Resident | Medical G.E |
| 4. | Dr. Gourappa .K | Senior Resident | Surgical G.E |
| 5. | Dr. Prajakta Vinayak Bhalerao | Senior Resident | ENT |
| 6. | Dr. A.R. Chaithanya | Senior Resident | TB&CD |
| 7. | Dr. J.Kavya | Senior Resident | Pathology |
| 8. | S. Sonia Begam | Senior Resident | Anaesthesia |
| 9. | Jakka Mohan Kirshna | Senior Resident | Radiotherapy |
| 10. | Dr. Venkata Nagateja.M | Senior Resident | Plastic Surgery |
| 11. | Dr. Ronda Vishnu Poojitha | Senior Resident | Radiology |
| 12. | Dr. V. Harika | Senior Resident | Microbiology |
| 13. | Dr. Reddy Dilip Kumar | Senior Resident | Surgical GE |

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List of Tutor (on Adhoc Basis):

| S. No | Name of the Faculty | Name of the Post | Department |
|-------|-------------------------------|------------------|--------------------|
| 1. | Dr. N.J. Siva Shankar | Tutor | Pharmacology |
| 2. | Dr. Peddiraju Nikhita Krishna | Tutor | Community Medicine |

Non Faculty:

| S. No | Name of the Faculty | Name of the Post | Department |
|-------|---------------------|--------------------|----------------|
| 1. | K.Bhavya | Teaching Assistant | Bioinformatics |

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 72nd Republic Day celebrations held on 26.01.2021, the following category of staff who rendered outstanding service during COVID-19 pandemic were awarded with meritorious certificates and cash reward of Rs.500/- was given to outsourcing staff on the eve of Republic Day celebration held on 26.01.2021.

| S.No | Particulars | Distributed by | Total |
|------|----------------------------|-----------------|-------|
| 1. | Faculty & P.G. Residents | Director-cum-VC | 361 |
| 2. | MBBS Internees | | 151 |
| 3. | Regular & Adhoc Staff | | 11 |
| 4. | Technicians & Fessy worker | | 53 |
| 5. | Staff Nurse | | 39 |
| 6. | Security Staff | | 15 |
| 7. | Drivers | | 4 |

Employees Superannuated during the year 2021

| S. No | Name of the Employee | Designation | Department | Date of Joining | Date of Retirement |
|-------|----------------------------|---------------------------|--------------------|-----------------|--------------------|
| 1. | Dr Krishna Kanchana Sharma | Professor | Microbiology | 19.06.1999 | 31.01.2021 |
| 2. | A.Umamaheswari | Sr. Health Inspector | DD (GM) | 19.02.1993 | 28.02.2021 |
| 3. | V.Anandamma | Sr. Tailor | Nursing | 27.02.1993 | 28.02.2021 |
| 4. | R.Umamaheswari | ANM | Nursing | 18.02.1993 | 31.03.2021 |
| 5. | A.S.Sudhakaran | Haemodialysis Tech., Gr-I | Nephrology | 31.05.1993 | 31.05.2021 |
| 6. | V. Sudarsan | MC & PO | Academic section | 31.03.1993 | 30.06.2021 |
| 7. | K. Dhanalakshmi | Head Nurse | Nursing | 08.10.1993 | 30.06.2021 |
| 8. | M. Sugunamma | Staff Nurse | Nursing | 19.02.1999 | 30.06.2021 |
| 9. | Dr A.Padmaja | Professor | College of Nursing | 24.11.1993 | 31.07.2021 |
| 10. | Smt. Reddi Vijaya kumari | Head Nurse | Nursing | 20.09.1993 | 30.09.2021 |
| 11. | Dr Abha Chandra | Professor | C.T.Surgery | 14.04.1995 | 31.10.2021 |
| 12. | Sri S.Lakshmi Narayana | Lab Technician Gr-I | Biochemistry | 07.06.1993 | 31.10.2021 |
| 13. | S.Vahede | Head Nurse | Nursing | 03.02.1993 | 31.12.2021 |



VI. FINANCE & ACCOUNTS (2019-20)



VI. Finance & Accounts (2020-21)

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 31.03.2021 (Unaudited)

| Liabilities | Amount as on 31.03.2021 (Rs.) | Assets | Amount as on 31.03.2021 (Rs.) |
|-----------------------------|----------------------------------|-----------------------------|----------------------------------|
| Capital Fund | 5,30,20,98,401 | Fixed Assets | 2,32,25,96,719 |
| Current Liabilities | 67,14,18,165 | Investments | 2,54,17,61,445 |
| Research Projects | 4,06,11,550 | Endowment Deposits | 1,60,72,033 |
| EMD and Other Deposits | 12,18,13,128 | Provident Fund Deposits | 5,96,47,294 |
| Fellowship | 13,05,076 | Research Fund Deposits | 2,22,11,49,262 |
| Advances Payable | 17,42,08,145 | Corpus Fund Deposits | 21,66,27,731 |
| University Deposits | 1,62,76,833 | SBAVP Deposits with TTD | 64,78,060 |
| Creditors Outstanding | 21,79,85,691 | Silver Jubilee Arch Deposit | 17,87,065 |
| Outstanding Payments | 7,61,69,300 | Other Deposits | 2,00,00,000 |
| Scholarship | 4,36,451 | Current Assets | 1,10,91,58,402 |
| Pay & Allowances Recoveries | 2,26,11,991 | Closing Stock | 6,10,23,387 |
| | | Deposits (Assets) | 15,37,58,357 |
| | | Loans & Advances | 1,51,03,115 |
| | | Sundry Debtors | 35,78,76,524 |
| | | Bank Accounts | 33,98,36,782 |
| | | Cash in Hand | 6,44,918 |
| | | Other Current Assets | 18,09,15,319 |
| Total | 5,97,35,16,566 | Total | 5,97,35,16,566 |

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3.0 Concessions given to the patients for the period 01.04.2020 to 31.03.2021

| S.No. | Month & Year | Amount Rs. |
|-------|---------------|---------------------|
| 1 | April, 20 | 2,04,86,578 |
| 2 | May, 20 | 4,55,78,007 |
| 3 | June, 20 | 3,48,78,375 |
| 4 | July, 20 | 3,30,51,009 |
| 5 | August, 20 | 1,15,30,729 |
| 6 | September, 20 | 2,26,69,344 |
| 7 | October, 20 | 3,70,50,856 |
| 8 | November, 20 | 4,43,05,130 |
| 9 | December, 20 | 5,52,57,656 |
| 10 | January, 21 | 3,87,58,048 |
| 11 | February, 21 | 6,44,70,772 |
| 12 | March, 21 | 4,39,55,075 |
| | Total | 45,19,91,579 |

4.0 Donations received for the period from 01.04.2020 to 31.03.2021

| S.No. | Donations | Amount in Rs. |
|-------|---------------------------------|---------------|
| 1 | General Donations | 8,56,285 |
| 2 | Research Chair Donations | - |
| 3 | Research& Development Donations | 34,86,35,431 |

Sri Venkateswara Institute of Medical Sciences established under the aegis of Tirumala Tirupati Devasthanams receives donations from philanthropists through Sri Balaji Aarogya Vara Prasadini Scheme (SBAVP). SBAVP scheme was started in 1994 by SVIMS to accomplish the goal of making available the sophisticated medical technology to every individual at affordable cost and also to conduct research activities in the field of medical research. A donor can donate an amount of Rs.1000/- or multiplies thereof to this institution.

The donors are offered privileges like accommodation, darshan and other prasadam of Lord Venkateswara at Tirumala by T.T.Devasthanams for the donations of 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% exemption on business income.

Sri Venkateswara Institute of Medical Sciences

The institute has received donations for Rs.34,86,35,431/- under Sri Balaji Aarogya Vara Prasadini Scheme during the financial year 2020-21. The list of donors who donated Rs.5 lakhs and above are as detailed below:

| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|--|--------------|
| 1 | M/S. ANS Jewellery, Salem | 1000000.00 |
| 2 | M/S. O.G. Variar and Sons Variar Bakery, Bangalore | 1000000.00 |
| 3 | M/S. Vijai Construction India Pvt. Ltd., Lucknow. | 1001000.00 |
| 4 | M/S. Jean & Bomanji Dubash Charity Trust, Mumbai | 2000000.00 |
| 5 | M/S. Sri Ram & Co., Chennai | 1000111.00 |
| 6 | M/S. Jeyam & Company, Chennai | 500000.00 |
| 7 | Sri Malladi Venkata Surya Subbalaxmi and Pantula Narasingarao, Hyderabad | 900000.00 |
| 8 | Sri TT Srinivasa Raghavan, Chennai | 1000000.00 |
| 9 | M/S. Chromachemie Laboratory Pvt. Ltd., Bangalore | 6036000.00 |
| 10 | M/S. Atin Promotions and Advertising Pvt. Ltd., Hyderabad | 3000000.00 |
| 11 | Sri Hitendra Dutt Tripathi, Pilibhit, U.P. | 1000000.00 |
| 12 | Sri Divya Manepalli, California, USA. | 555516.00 |
| 13 | M/S. AMR Agro Logistics, Chennai | 1000011.00 |
| 14 | Sri P. Pranav Sri Narayana, Tirupati | 1000111.00 |
| 15 | Dr Sanjay Parachuru, Bangalore | 1000116.00 |
| 16 | Smt. Divya Prakash Sakam, Bangalore | 500116.00 |
| 17 | M/S. Sri Balaji Stores, Khammam | 1001116.00 |
| 18 | M/S. Khushi Advertising Ideas Pvt. Ltd., Gujarat | 500000.00 |
| 19 | M/S. Coinmen Capital Advisors Llp., New Delhi. | 1000000.00 |
| 20 | M/S. Dynetic Products Pvt. Ltd., Chennai | 1071000.00 |
| 21 | M/S. Prakash Enterprises Merchants & Commission Agents, Anakapalli | 1100000.00 |
| 22 | M/S. V.P Goenka and Associates, Maharashtra | 500000.00 |
| 23 | M/S. New Sangam Bar and Restaurant, Karnataka. | 1000001.00 |
| 24 | Sri Shailesh Manek, C/o Manek & Associates, Mumbai | 1000000.00 |
| 25 | Sri Pannerselvam V, Thiruvarur | 1050000.00 |
| 26 | M/S. Allied Aviation International Pvt. Ltd., Andheri (East), Mumbai | 501001.00 |
| 27 | Sri V Ramgopal, Adayar, Chennai | 501116.00 |
| 28 | M/S. Kanishka F& B, C/O. Sai Prasad Tummapudi, Vijayawada | 1001116.00 |

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| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|---|--------------|
| 29 | Sri Arun S, Chennai | 550000.00 |
| 30 | Sri Uma Shanmukhi Sistla, Mumbai | 500000.00 |
| 31 | Sri Dr K. Venkatesar, Chennai | 1500000.00 |
| 32 | Sri P. Srinivasa Reddy, Jamshedpur | 1000001.00 |
| 33 | M/S. S & S Foundations Pvt. Ltd., Chennai | 2000000.00 |
| 34 | Miss. Prof. R.Parvatham, Chennai | 1000000.00 |
| 35 | Sri Shiva Santosh Kumar B, Chattisgarh | 1100111.00 |
| 36 | M/S. Magentys Agri Biotech, Solan | 1000000.00 |
| 37 | Sri S.Mahohar, Hyderabad | 1000000.00 |
| 38 | M/S. Hotel SKG Comforts, C/O. Praveen Guttedar, Karnataka | 1000001.00 |
| 39 | M/S. Topsel Pvt. Ltd., Kolkata | 2000000.00 |
| 40 | M/S. Rennex Medical, New Delhi | 1000000.00 |
| 41 | M/S. Rasun Exports Private Ltd., Hyderabad | 7000000.00 |
| 42 | Sri Padmanabhan Manninagarajan, Ny, USA | 520000.00 |
| 43 | M/S. Bishal International, Kolkata | 2800000.00 |
| 44 | Miss. Rachapalli Sruthi, Chittoor | 1011116.00 |
| 45 | M/S. Sri City Private Limited., Chennai | 2500000.00 |
| 46 | M/S. KRBS Jewellery Pvt. Ltd., Tiruppur | 1010000.00 |
| 47 | Sri Venkata Narayana M, Anantapur | 1000000.00 |
| 48 | M/S. Ascom Infotech Pvt. Ltd., Mumbai | 1000000.00 |
| 49 | M/S. G. Prashanth Narayan, Bengaluru. | 10000000.00 |
| 50 | Smt. K. Jhansi Lakshmi, Guntur | 1000000.00 |
| 51 | M/S. Venkatrama Chemicals, Hyderabad | 1500000.00 |
| 52 | M/S. S N Logistics, Telangana | 1001116.00 |
| 53 | M/S. Sree Sreenivasa Glass Agencies, Chennai | 1000008.00 |
| 54 | Sri P. Venkat, Bangalore | 1000000.00 |
| 55 | M/S. Ramco Industries Ltd., Chennai | 2000000.00 |
| 56 | M/S. Hindustan Enterprises, Visakhapatnam | 3000000.00 |
| 57 | Sri M. Ranga Swami Reddy, Bangalore | 1000116.00 |

Sri Venkateswara Institute of Medical Sciences

| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|--|--------------|
| 58 | M/S. Balajee Marketing, Ghziabad, U P | 1000000.00 |
| 59 | M/S. Sri Balaji Knit Fab, Tirupur | 1048900.00 |
| 60 | M/S. Spice Bio Solutions, Hyderabad | 1000001.00 |
| 61 | M/S. Pacific Therapeutics Pvt. Ltd., Kurnool | 1000000.00 |
| 62 | M/S. Kalaparna Jewellery, Coimbatore | 1000000.00 |
| 63 | M/S. Siddhi Vinayaka Fashions, Nellore | 1000000.00 |
| 64 | M/S. Aradhya Agencies, R.R. Dist | 1000000.00 |
| 65 | Sri Malladi Suresh Kumar, Vizag. | 1000000.00 |
| 66 | Sri Nukala Srinivasa Rao, Guntur | 1000116.00 |
| 67 | M/S. Shri Gurmukhdas Constructors Pvt. Ltd., Rajasthan | 551000.00 |
| 68 | M/S. Sri Mallikarjuna Krishi Kendra, Guntur | 1010000.00 |
| 69 | K Vijay Bhasker Reddy, Delaware, USA | 1000000.00 |
| 70 | M/S. Sri Lakshmi Tractors, Vijayawada | 1008116.00 |
| 71 | M/S. Triveni Engicons Pvt. Ltd., Jamshedpur | 2200000.00 |
| 72 | Sri V.D.V.N.H. Kumar, Bangalore | 1001116.00 |
| 73 | Sri Vijay Indupuru, Vijayanagaram | 1001000.00 |
| 74 | Sri P S Mural, Chennai | 1000001.00 |
| 75 | Sri Mahesh P Rai, Nagpur | 500000.00 |
| 76 | Sri G.S. Manikanta, Bangalore | 1010116.00 |
| 77 | Sri A V Narasimha Murthy, Navi Mumbai | 1000116.00 |
| 78 | Sri Suresh Kumar Tata, Chennai | 1000000.00 |
| 79 | Smt. Subhasree Amancherla, Hyderabad | 1000000.00 |
| 80 | M/S. Srivari Hitech Industries Limited, Hosur | 1000000.00 |
| 81 | Sri Sudiip Majumdar, Howrath | 1000000.00 |
| 82 | Sri Sharad Bairathiss, Bangalore | 1000100.00 |
| 83 | M/S. Sri Vijayalakshmi Steel Traders, Anakapalli | 1000116.00 |
| 84 | Sri Gangaraju Raghav, Hyderabad | 10000000.00 |
| 85 | M/S. Aalayam Foundation Pvt. Ltd, Chennai | 1000100.00 |
| 86 | M/S. Sri Venkateswara Spinning Mills, Salem | 1000000.00 |

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| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|--|--------------|
| 87 | Sri M.Subramaniam, Chennai | 1000001.00 |
| 88 | M/S. SPT Investment Advisory Services Pvt. Ltd., Mumbai | 1000000.00 |
| 89 | M/S. Eastern Cargo Carriers India Pvt. Ltd., Mumbai | 9000000.00 |
| 90 | M/S. Percare Industries, C/O. Priyam Jiten Bhatt, Vadodara | 600000.00 |
| 91 | Sri T.Neela Vivek, Kanyakumari | 1010000.00 |
| 92 | M/S. Kingston Ventures India Pvt. Ltd., Bangalore | 1000116.00 |
| 93 | M/S. Lara Mining, Hyderabad | 5000000.00 |
| 94 | M/S. Kantipudi Engineering Co. Pvt. Ltd., Rajahmundry | 1008999.00 |
| 95 | M/S. Lingappa and Associates, Bangalore | 1000500.00 |
| 96 | M/S. DSP Jewellery, Coimbatore, Tamilnadu | 1001000.00 |
| 97 | Sri C. Gopi Srinivas Ananth, Hyderabad. | 1001116.00 |
| 98 | Ms. Garuda Bikes Private Limited, Tirupati | 1008999.00 |
| 99 | Sri Prakash Bharati, Bangalore | 2000000.00 |
| 100 | M/S. G.K. Chemicals, Uttar Pradesh | 1000000.00 |
| 101 | M/S. Rachana Infrastructure, Warangal | 1000116.00 |
| 102 | M/S. A R S & Co., Bangalore | 1000000.00 |
| 103 | M/S. V N Heights, Krishna | 1000000.00 |
| 104 | M/S. Manipal Stores, Tirupur | 1000000.00 |
| 105 | M/S. Sri Shiva Kiran Traders, Bengaluru | 1000008.00 |
| 106 | M/S. Suryaoday Spinning Mills Pvt. Ltd., Secunderabad | 500000.00 |
| 107 | Sri Raveendranatha Reddy K, Hyderabad. | 1107900.00 |
| 108 | M/S. League Constructions, Hyderabad | 1000000.00 |
| 109 | M/S. Greenwish Electricals India Limited., Secunderabad | 1000000.00 |
| 110 | M/S. Robust Management & Consulting Pvt. Ltd., Delhi | 1000000.00 |
| 111 | M/S Ganesh Grains Ltd., Kolkata | 5000000.00 |
| 112 | M/S. Kolors Healthcare India Pvt. Ltd., Hyderabad | 1000000.00 |
| 113 | M/S. Allied Aviation International Pvt. Ltd., Mumbai | 1000000.00 |
| 114 | Smt. Manju Gupta, Mumbai | 1100000.00 |
| 115 | Sri Subba Rao Y V and Smt.Y.Hemamalini, Hyderabad | 1001000.00 |

Sri Venkateswara Institute of Medical Sciences

| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|--|--------------|
| 116 | Smt. Mamata L Shenoy, Secunderabad, | 1000000.00 |
| 117 | M/S. Sri Lakshmi Auto Agencies, Ongole | 1000116.00 |
| 118 | M/S. Lumera Software Solutions Pvt. Ltd., Chennai | 1000001.00 |
| 119 | Sri V.Balakrishnan, Bangalore | 12500000.00 |
| 120 | M/S. Vital Therapeutics Pvt. Ltd., Secunderabad | 1000116.00 |
| 121 | Miss. Aparna Yedumakanti, Kurnool | 500000.00 |
| 122 | Sri C. Naga Ganesha Sabareesh, Kurnool | 1000000.00 |
| 123 | M/S. Shri Krishna Cold Storage, Salem | 1011112.00 |
| 124 | Sri Manohar Ramchandra Tarkunde, Nagpur | 1000000.00 |
| 125 | M/S. Welcome Distilleries Pvt. Ltd., Varanasi | 1500000.00 |
| 126 | M/S. Shri Vitthal Warehousing, Sangli, Maharashtra | 1000000.00 |
| 127 | M/S. CEC Flavours and Fragrances Pvt. Ltd., Tiruvalur. | 1011116.00 |
| 128 | M/S The Sukhjit Starch and Chemicals Limited, Punjab | 1100000.00 |
| 129 | M/S. P.J. Reddy & Co., Bengaluru | 1000116.00 |
| 130 | Sri Ram Manohar Singh, Mumbai. | 2100000.00 |
| 131 | Sri V.Srinivasulu Reddy and Smt. V Hymavathi, Mumbai | 500000.00 |
| 132 | M/S. Dev Salt Pvt. Ltd, Gujarat | 2000000.00 |
| 133 | M/S. Balaji Medicals and General, Hyderabad | 1000116.00 |
| 134 | M/S. NS Jewel D Craft, Coimbatore | 1000000.00 |
| 135 | M/S. ANS Jewelry, Salem | 1000000.00 |
| 136 | M/S Sri Bhagavan Niketan Limited, Visakhapatnam | 2000000.00 |
| 137 | M/S Caps Gold Pvt. Ltd., Secunderabad | 1000000.00 |
| 138 | M/S. Jai Santoshi Mata Realtors, Hyderabad | 1021000.00 |
| 139 | M/S. Lalitha Traders, Tenali | 1000000.00 |
| 140 | Smt. Anita Bindlish, New Delhi | 1000000.00 |
| 141 | Sri Ajay Bindlish, New Delhi | 1000000.00 |
| 142 | M/S. Ashok International, Kakinada | 1001255.00 |
| 143 | M/S. Mandir Associates, Secunderabad | 1002321.00 |
| 144 | M/S. Jewellery Meda, Dindigul | 1011112.00 |

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| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|---|--------------|
| 145 | M/S. SAIS IT Services India Private Limited., Hyderabad | 1000116.00 |
| 146 | M/S. Entod Pharmaceuticals Ltd., Mumbai | 1000001.00 |
| 147 | Sri Arjun Balvantrai Desai, Gujarat | 1111111.00 |
| 148 | M/S. Bang Data Forms Private Ltd., Mumbai | 1000000.00 |
| 149 | M/S. Sri Sai Vinayaka Pharma, Hyderabad | 1000000.00 |
| 150 | M/S. Balaji Golden Properties, Bangalore | 1000000.00 |
| 151 | Sri N. Sai Ravi, Chennai | 1000000.00 |
| 152 | Sri M. Rajendra Prasad, Hyderabad | 1002600.00 |
| 153 | M/S Cluster Infotech Pvt Ltd, Hyderabad | 1000116.00 |
| 154 | M/S. Tirumala Seven Hills Pvt.Ltd., Kolkata | 2100000.00 |
| 155 | M/S. Biovitamins Pvt. Ltd., Bangalore | 1000008.00 |
| 156 | Smt. Madeena Neelapu, Srikakulam | 500111.00 |
| 157 | Sri P V Anantha Krishnan and Abhishek Anantha Krishnan, Thane | 1000000.00 |
| 158 | M/S. Sai Surya Associats Pvt. Ltd., Chennai | 1001000.00 |
| 159 | M/S. Percare Industries, Vadodara | 900000.00 |
| 160 | M/S. Industrial Packing Products, Mumbai | 1000000.00 |
| 161 | Sri M.Poorna Chendra Rao and Smt. Gowri Hari, Hyderabad | 1001116.00 |
| 162 | Sri Suman Fatahchand Nagar, Pune | 1008999.00 |
| 163 | M/S. Mahendra Perfumery Works, Bangalore | 1000000.00 |
| 164 | M/S. Rudira Aqua Limited, Nellore | 2022000.00 |
| 165 | M/S. Lashi Exports Limited, Nellore | 1011000.00 |
| 166 | M/S. Obel Systems Pvt. Ltd., Secunderabad | 1000116.00 |
| 167 | M/S. Jupiter Dyechem Pvt. Ltd., Mumbai | 2000000.00 |
| 168 | M/S. S and S Foundations Pvt. Ltd., Chennai | 1000000.00 |
| 169 | M/S. Ezy Trade, Visakhapatnam | 1000000.00 |
| 170 | M/S. Himagiri Systems Private Limited., Bangalore | 1000000.00 |
| 171 | Sri R. Sivakumar, Chennai | 1000000.00 |
| 172 | Sri Dr M. Balamurugan, Chennai | 1001001.00 |
| 173 | Sri V V S A V Prasad, Hyderabad | 1000000.00 |

Sri Venkateswara Institute of Medical Sciences

| S.No | DONOR DETAILS | AMOUNT (RS.) |
|------|--|--------------|
| 174 | M/S. GMK Research Laboratories Pvt. Ltd., Secunderabad | 1011000.00 |
| 175 | M/S. Global Green Agrinova, Prop. Boda Prabhavathi Murthy, Bangalore | 1000000.00 |
| 176 | M/S. Tirubala International Pvt. Ltd., Kanpur | 2500000.00 |
| 177 | Sai Krishna Chemicals, Rangareddy | 1000000.00 |
| 178 | Sri Hariharan Venkataganesh, Chennai | 1000008.00 |
| 179 | M/S. Analah Capita Private Limited, Mumbai | 2000000.00 |
| 180 | M/S. Analah Capital, Mumbai | 2000000.00 |
| 181 | M/S. DFM Technology Pvt. Ltd., Bangalore | 1050000.00 |
| 182 | M/S. Mehru Electrical and Mechanical Engineers Pvt Ltd, Rajasthan | 1000000.00 |
| 183 | M/S. Kaustubha Scientific Research Laboratory Private Limited, Bangalore | 10060000.00 |
| 184 | M/S. Dhanalaxmi Jewellers, Vizianagaram | 1000777.00 |
| 185 | M/S. Manvi Plast India Pvt Ltd, Delhi | 1500000.00 |
| 186 | Smt. Manju Sharma, Vijayawada | 511000.00 |
| 187 | Sri Rama Jewellery Mart, Trichy | 1005000.00 |
| 188 | Sri Shankar Vishwanathan, Bangalore | 1000101.00 |
| 189 | M/S. Krithika Infra Developers, Hyderabad | 1521500.00 |
| 190 | Sri Chandra Sekhar Talasila, Hyderabad | 1000000.00 |
| 191 | M/S. Kyasa Jewellers, Secunderabad | 1001016.00 |
| 192 | Sri Sridhar Uppada, Bangalore | 500001.00 |

5.0 Funds received from Tirumala Tirupati Devasthanams during the year 2020-21

| S.No. | Grant Details | Amount (in Rs.) |
|-------|---|-----------------|
| 1 | Revenue Grant | 36,00,00,000 |
| 2 | Reimbursement of Pranadana Expenditure | 10,99,40,278 |
| 3 | Reimbursement of treatment charges for TTD Employees/Pilgrims | 6,74,32,395 |
| 4 | Reimbursement of Blood Bank Screening Charges | 39,34,200 |

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6.0 Treatment on Credit for the period 01.04.2020 to 31.03.2021:

The institute extended credit treatment to the extent of Rs.96.70crores in respect of 27 credit organizations and the bills settled to the extent of Rs.123.64crores including arrears, leaving a closing balance of Rs.34.60crores during the Financial Year 2021. The details of the credit treatment is as detailed below for the period from 1.4.2020 to 31.03.2021.

| 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 | 48,25,38,915 | 70,73,06,870 | 1,18,98,45,785 | 95,88,62,508 | 23,09,83,277 |
| i | Arogyasri IP Claims | 41,53,02,063 | 66,59,86,195 | 1,08,12,88,258 | 89,60,79,496 | 18,52,08,762 |
| ii | Arogyasrifollow ups | 2,11,37,904 | 47,98,746 | 2,59,36,650 | 74,78,224 | 1,84,58,426 |
| iii | ArogyaRaksha IP Claims | 50,72,151 | 28,35,099 | 79,07,250 | 65,65,752 | 13,41,498 |
| iv | EHS IP Claims | 4,09,30,284 | 3,36,86,830 | 7,46,17,114 | 4,87,39,036 | 2,58,78,078 |
| v | Working journalist health scheme | 96,513 | | 96,513 | - | 96,513 |
| 2 | TTD credit | 1,96,55,882 | 8,08,59,255 | 10,05,15,137 | 6,74,32,395 | 3,30,82,742 |
| i | Pilgrims | 16,40,733 | 27,57,376 | 43,98,109 | 23,75,641 | 20,22,468 |
| ii | TTD Employees Reimbursement | 1,80,15,149 | 7,81,01,879 | 9,61,17,028 | 6,50,56,754 | 3,10,60,274 |
| 3 | AB-SPF | 1,02,907 | 3,36,914 | 4,39,821 | 2,14,048 | 2,25,773 |
| 4 | APSPDCL | 23,64,192 | 27,24,594 | 50,88,786 | 34,95,488 | 15,93,298 |
| 5 | APSRTC | 1,22,83,882 | 1,17,28,334 | 2,40,12,216 | 1,52,96,197 | 87,16,019 |
| 6 | ArogyaBhadra | 53,28,885 | 81,46,845 | 1,34,75,730 | 85,59,471 | 49,16,259 |
| 7 | ArogyaSahayatha | 2,49,014 | 2,39,248 | 4,88,262 | 2,49,014 | 2,39,248 |
| 8 | BIRRD YSR | 15,26,578 | 20,65,020 | 35,91,598 | 26,84,323 | 9,07,275 |
| 9 | BIRRD/TTD blood bank charges | 15,78,225 | 39,75,825 | 55,54,050 | 39,34,200 | 16,19,850 |
| 10 | BSNL | 32,14,058 | - | 32,14,058 | 5,06,680 | 27,07,378 |
| 11 | CMRF | 70,84,359 | 18,04,881 | 88,89,240 | 64,46,665 | 24,42,575 |
| 12 | CRC credit | 1,27,06,795 | 1,63,34,964 | 2,90,41,759 | 1,86,21,719 | 1,04,20,040 |
| 13 | DRDA | 1,82,151 | | 1,82,151 | - | 1,82,151 |
| 14 | Employees State Insurance (ESI) | 3,62,49,491 | 1,98,62,021 | 5,61,11,512 | 3,76,41,805 | 1,84,69,707 |
| 15 | Government Credit | 45,52,838 | 3,06,280 | 48,59,118 | 4,36,097 | 44,23,021 |
| 16 | IA airport | 49,008 | 46,048 | 95,056 | 49,008 | 46,048 |
| 17 | IIT Tirupati | 85,913 | | 85,913 | 85,913 | - |
| 18 | Individual Credit | 13,10,934 | | 13,10,934 | - | 13,10,934 |
| 19 | LIC Credit | - | 12,000 | 12,000 | 12,000 | - |
| 20 | Other Credit | 21,99,097 | 4,23,022 | 26,22,119 | 14,50,066 | 11,72,053 |
| 21 | Pranadhanam | 1,99,86,732 | 10,99,40,075 | 12,99,26,807 | 10,99,40,278 | 1,99,86,529 |
| 22 | RS Vidyapeetam | 63,384 | 1,09,327 | 1,72,711 | 1,49,789 | 22,922 |
| 23 | SHAR | 10,055 | 18,000 | 28,055 | - | 28,055 |
| 24 | State TB Control Society (RNTCP) | 13,02,800 | 19,600 | 13,22,400 | - | 13,22,400 |
| 25 | SVBC | 1,62,821 | 7,53,216 | 9,16,037 | 3,85,288 | 5,30,749 |
| 26 | SV University | 7,322 | | 7,322 | - | 7,322 |
| 27 | TTD individual Credit | 7,39,357 | | 7,39,357 | - | 7,39,357 |
| | TOTAL | 61,55,35,595 | 96,70,12,339 | 1,58,25,47,934 | 1,23,64,52,952 | 34,60,94,982 |



Sri Vasudevan Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



VII. DEPARTMENTAL INFORMATION



1.0 DEPARTMENT OF ANAESTHESIOLOGY

Professor & Head

Dr Aloka Samantaray

Faculty

Dr P. Janaki Subhadra
Dr N. Hemanth
Dr P. Hemalatha
Dr M. Madhusudhan

Dr T. Bhargavi
Dr K. Vinay
Dr R. Sree Devi

Dr S. Shameem
Dr K.Jasmitha
Dr K. Yadhubhushanam

Senior Residents

Dr K.Gayathri Devi
Dr T. Kaarthika
Dr Sharon Linnet

Dr B. Radhika
Dr B. Sahana
Dr K. Krishna Priya

Dr P. Sameera Vani
Dr M.Harshavardhan
Dr M. Kishore

Tutor cum PG (MD) Junior Residents

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 V. Mounika
Dr C. Niveditha
Dr D. Priyanka

Dr D.Madhuri
Dr Hajira
Dr P. Anupama
Dr N.Vasundhara
Dr B. Manju Sree
Dr G. Ranganath

1.1 Awards, achievements and felicitations

1. Dr N.Vasundhara, PG Resident has received 2nd Prize for poster presentation Anaesthetic Management of traumatic Diaphragmatic hernia. ISACON South Puducherry -2021 State Conference.

1.2 Research work:

Thesis work

Theses submitted

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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Sravani Malathi G. Comparative evaluation of intrathecal dexmedetomidine vs fentanyl for prevention of post – spinal anaesthesia shivering in edndoscopic urological surgeries – A prospective randomized double blind controlled study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. Aparna A. Effects of oral metoprolol and atenolol on analgesic and anaesthetic requirements in laparoscopic cholecystectomy: a prospective randomized double blind placebo controlled study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
7. Vagga Ramesh. Ration of height to sternomental distance for assessing difficulty laryngoscopy and tracheal intubation . A prospective, observational, comparative study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
8. Ravi Kumar CM. Frailty as a predictor of morbidity and mortality in oral and abdominal oncosurgical patients undergoing surgery: A prospective observational study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. Anupama P. A comparative study of pre and post cannulation topical heparin quick penetrating solution application to prevent intravenous cannula induced superficial thrombophlebitis. A prospective randomised (MD Thesis).
2. Niveditha C. Effect of intravenous vitamin B12 on postoperative analgesia – A prospective, randomized, double blind, controlled study (MD Thesis).
3. Vipparal Mounika. Comparison of preemptive analgesic effect of subcutaneous infiltration of bupivacaine and dexmedetomidine with that of plain

bupivacaine on post operative opioid consumption in patients undergoing gastrectomy : A prospective randomized double blind study (MD Thesis).

4. Vasundhara N. The effect of direct instillation of combined lignocaine with dexmedetomidine in comparison to lignocaine along on attenuation of postoperative sore throat in adult patients undergoing general anaesthesia with tracheal intubation. A prospective randomized double blind study (MD Thesis).
5. Hajira. Comparison of psychomotor recovery in patients receiving either intravenous propofol or dexmedetomidine infusion as part of balanced general anaesthesia: A prospective, randomized single – blind study (MD Thesis).
6. Madhuri Dommaraju Comparison of case of nasogastric intubation using a frozen nasogastric tube with nasogastric tube at room temperature in anaesthetized, intubated adult patients. A prospective, randomized, open label, parallel assignment study (MD Thesis).
7. Manjusree B. Comparison of attenuation of haemodynamic response to pneumo peritoneum by either dexmedetomidine or lignocaine infusion administered to patients undergoing laparoscopic cholecystectomy – A prospective randomized double blind trial (MD Thesis).
8. Priyanka D. Comparison of time for onset of action and intubating conditions using 4 times ED dose of rocuronium versus vecuronium during endotracheal intubation – A prospective randomized double – blind study (MD Thesis).
9. Ganta Ranganath Comparison of the effect of additional epidural Neostigmine with epidural Magnesium sulfate on the characteristics of spinal anaesthesia in patients undergoing elective infra umbilical surgeries – A randomized , double blind comparative study (MD Thesis).

1.3 Conferences attended, lectures delivered

Dr Alok Samantaray, attended the following

1. The Indian College of Anaesthesiologists (ICA) conference 2021 and delivered a lecture on “Approach to non-cardiac surgery in patients with Ischemic Heart Disease” during 13th January, 2021.

2. D.Y.Patil Medical College and Hospital conference 2021 and participated as a faculty during 7th February, 2021.
3. ISACON AP 2021 Virtual conference 2021 and delivered a lecture on “Principles of one lung ventilation” during 13-14 February 2021.
4. ISA 49th OSISACON Odisha 2021 Annual state virtual conference 2021 and delivered a guest lecture on “One Lung Ventilation” during 13-14 March 2021.

1.4 Presentations by postgraduate students

Postgraduate students pursuing MD (Anaesthesiology) presented the following posters & Papers at:

ISA 68th ISACON 2021 State Conference- 2021 during 24th November 2021.

1. Brunda M. A case mucinous adenocarcinoma of appendix posted for cytoreductive surgery with hyperthermic intraperitoneal chemotherapy presented a E- poster and A case Attenuation of haemodynamic response to laryngoscopy and tracheal intubation: A comparison of effect for preoperative administration of intravenous paracetamol versus fentanyl a double blind presented a E- poster .

1.5 Publications

Publications in indexed journals

1. Samantaray A, Johnson E, Kumar N, Mehdiratta L., COVID-19: A game of drugs, vaccines, hope and ... death! Indian J Anaesth 2021;65:434-8.
2. Sahana BN, Sri Devi R, Samantaray A, Hemanth N, Pasupuleti H, Mangu HR. Comparison of effects

of dexmedetomidine added to ropivacaine versus ropivacaine alone infiltration scalp block for attenuation of the haemodynamic response to skull pin placement in neurosurgical procedures: A double – blind, randomized clinical trial. Indian J Anaesth 2021;65:782-8. { Accompanied by a commentary: Parida S, Theerth KA. Dexmedetomidine: A drug for all seasons? Indian J Anaesth 2021;65:789-91.]

3. Kaarthika T, Radhapuram SD, Samantaray A, Pasupuleti H, Hanumantha Rao M, Bharatram R. Comparison of effect of intraperitoneal instillation of additional dexmedetomidine or clonidine along with bupivacaine for post – operative analgesia following laparoscopic cholecystectomy. Indian J Anaesth 2021;65:533-8.
4. Vinayak Y, Mukkara M, Reddy AK, Devi NH, Kumar MR, Jonnakuti R. Clinical profile of hypertensive patients presenting to the emergency department. J Clin Sci Res 2020;9:224-8.
5. Madhusudan Mukkara, Shravani Pabba, Shaik Sumiya Begum, Shameem Sunkesula, Aloka Samantaray, Andal Venkatraman, Hanumantha Rao Mangu. Comparison of spinal anaesthesia characteristics of intrathecal levobupivacaine 0.5% and ropivacaine 0.5% with dexmedetomidine as an adjuvant. IJMCR 2021;4-3: 354-362.
6. Subramanyam Penubaku, Madhusudhan Mukkara, Kanchi Mitra Bhargav, Ramesh Chandra V.V., Sadasiva Raju S., Pavan Kumar G., Lakshmi A.Y. Clinical Profile and Outcomes in Patients with Acute Intracerebral Haemorrhage Presenting to the Emergency Department at a Tertiary Care Teaching Hospital, South India. J Evolution Med Dent Sci / eISSN - 2278-4802, pISSN - 2278-4748 / Vol. 10 / Issue 21 / May 24, 2021.

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 Dissertation work

Dissertation submitted

1. **Uday Kumar B.** Morphology & Morphometric study of human adult cadaveric liver in Rayalaseema Zone, Sri Venkateswara Institute of Medical Sciences (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing Dissertation work

1. **Bhavya SREE P.** Study on Normal and variable patterns of left coronary artery in human cadaveric hearts in Rayalaseema Zone (MSc).
2. **Sameera PLN.** Morphological variations of Human cadaveric lungs in Rayalaseema Zone, under the Guidance (MSc).

2.2 Publications

1. Prathiba K, Sreedevi N, Venkata Ramana C, Vinayaka Naik I. An anatomical study of human mandible in determination of sex by using various morphological and morphometric parameters. Indian J Appl Res 2021;2:2249-555

2.3 CMEs/Seminars/Workshops/Orations conducted by the department

1. A CME on “Stone diseases of Hepatobiliary System” was jointly Organized by the Department of Anatomy, Department of Surgical Gastroenterology & General Surgery at SVIMS on 6th November 2021.

2.4 CMEs/Seminars/Workshops attended

1. **Dr I.Vinayaka Naik**, Assistant Professor - successfully completed Basic course in Biomedical research as mandated by NMC conducted by ICMR NIE March-July 2020.
2. **Mr D.Kishore Naick**, Tutor - successfully completed Basic course in Biomedical research as mandated by NMC conducted by ICMR NIE March-July 2020.
3. Tutor Successfully completed Basic course in Biomedical research as mandated by NMC conducted by ICMR NIE March-July 2020.
4. **Dr K.Prathiba**, Associate professor, **Dr D.Srivani**, Assistant Professor **Dr M.K.Lalitha Kumari**, Tutor, **Mr. C. Venkataramana**, Tutor -successfully completed Basic course in Biomedical research as mandated between August- December 2020 by NMC conducted by ICMR NIE
5. **Mr D.Kishore Naick**, Tutor has successfully completed the cognitive and skills evaluation in accordance with the curriculum of the American Heart Association Basic Life support (CPR & AED) program on 22nd January, 2021
6. **Mr.C.Venkataramana**, Tutor - attended to National E-CME on Orthotics & Prosthetics conducted by Department of Orthopaedics & Department of Physiotherapy at Sri Devaraj Urs academy of higher education & Research on 6th March 2021

7. **Dr M.K.Lalitha Kumari**, Tutor - participated webinar on “Publication Ethics” conducted by National Journal of Clinical Anatomy (NJCA) on 10th April,2021 under aegis of society of Clinical Anatomist
8. **Mr D.Kishore Naick**, Tutor - received certificate for successfully completing the “Instructor - Essentials BLS Course” from SVIMS AHA -ITC on 2nd June, 2021.
9. **Dr M.K.Lalitha Kumari**, Tutor - participated in Medical edge series web seminar on Blood supply of the Brain and Spinal cord on 20th July 2021 by Wolters Kluwer
10. **Dr M.K.Lalitha Kumari**, Tutor - Participated in Medical edge series web seminar - Anatomy of the stomach simplifying the complex on 17th July 2021 by Wolters Kluwer
11. **Mr.C.Venkataramana**, Tutor - attended to webinar on Clinical Anatomy of Pathomechanics of Coccydynia, conducted on 20th July 2021 by Academy of Orthopaedic manual physical therapist
12. **Dr K.Prathiba**, Associate Professor, **Dr D.Srivani**, Assistant Professor **Dr I.Vinayaka Naik**, Assistant Professor **Dr M.K.Lalitha Kumari**, Tutor **Mr. C. Venkataramana**, Tutor - participated in International Anatomy E-CME held on 29th July 2021. Conducted by Department of Anatomy GADAG Institute of Medical Science, GADAG.
13. **Dr D.Srivani**, Assistant Professor **Dr M.K.Lalitha Kumari**, Tutor - attended Medicaledge Webinar Series - Anatomy of the liver by Dr Sabita Mishra conducted on 13th August 2021 by Wolters Kluwer
14. **Dr K.Prathiba** Associate Professor, **Dr D.Srivani**, Assistant Professor, **Dr I.Vinayaka Naik**, Assistant Professor, **Dr M.K.Lalitha Kumari**, Tutor were participated in the Virtual International webinar “CHANCE-2021” on changing trends in Anatomy Education in the Covid Era held on 18th August, 2021. Conducted by Department of Anatomy, Sri Ramachandra Medical College & Research Institute, Chennai.
15. **Dr D.Srivani**, Assistant Professor **Dr M.K.Lalitha Kumari**, Tutor - attended webinar on “Mental Health of students” held on 26th August, 2021 conducted by Wolters Kluwer
16. **Dr M.K.Lalitha Kumari**, Tutor - participated in Medical edge series web seminar on HIV - Ethio-pathogenesis epidemiology, clinical manifestations and diagnosis on 30th August 2021
17. **Dr M.K.Lalitha Kumari**, Tutor - participated webinar on “Changes in the nasal Mucosa and lungs in post covid infection” on 8th September 2021 Organized by department of Anatomy, NRI Medical College and Research Institute Guntur, AP
18. **Dr M.K.Lalitha Kumari**, Tutor - Participated webinar on “Blood supply of the heart and its clinical aspects” held on 29th September 2021 on occasion of world heart day organized by Department of Anatomy, AIIMS, Guwahati, Assam.
19. **Dr M.K.Lalitha Kumari**, Tutor - participated Webinar on “a Fruitful journey towards sustainable development” on 1st October 2021, conducted by Ministry of Education and UGC - A National webinar series on Good Governance
20. **Dr M.K.Lalitha Kumari**, Tutor- participated in medical edge series web seminar on world anatomy day “Research in Anatomical Sciences” on 15th October 2021 by Wolters Kluwer
21. **Dr D.Srivani**, Assistant Professor **Dr M.K.Lalitha Kumari**, Tutor - attended webinar on “Anatomy of the Lung - the natural ventilator” held on 27th October 2021 conducted by Wolters Kluwer
22. **Dr D.Srivani**, Assistant Professor - participated in Revised Basic course workshop & AETCOM held from 29th 30th of September & 01st October 2021 at SVIMS - SPMCW conducted by Medical Educational Unit under supervision of NMC nodal centre, Christian Medical college, Vellore. Tamil Nadu
23. **Mr D.Kishore Naick**, Tutor - received certificate of Participation for successful completion of “simulation in Health care - Training” on 26th October 2021, at SVIMS & laerdal Medical India
24. **Dr D.Srivani**, Assistant Professor - Participated in “BMSecON 2021 2nd International e conference on “Exploring the newer modalities in Teaching-

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Learning and Research in Basic Medical Sciences during COVID era” held from 25th to 27th November 2021 conducted by Department of Anatomy, Biochemistry and physiology vinayaka mission, Puducherry

25. **Dr. D.Srivani**, Assistant Professor- Participated as delegate in the Workshop cum CME on topic of “Orogeny Anatomy - State of the Art trends” conducted by Department of Anatomy on 12th November 2021 at AIIMS, Bibinagar, Hyderabad.
26. **Dr.M.K.Lalitha Kumari**, Tutor - Participated online CME - organized by academy for emergency trauma and optical are medicine as part of world AIDS day on 1st Decmber -2021. Amrita hospitals, Kochi
27. **Mr D.Kishore Naick**, Tutor - Participated as a delegate in state level online CME on “Content Development for Digital Medical Education” held on 13th November, 2021 conducted by department of Anatomy, Sri Deveraj URS Medical College, Tamaka, Kolar
28. **Dr. C.Sreekant**, Professor & HOD - Participated in the organization of CME on stone diseases of Hepatobiliary system: on 6th November, 2021, SVIMS, along with Department of Surgical Gastro Enterology & General surgery

29. **Dr.J.Vasudeva Reddy**, Professor - Delivered a lecture on Regional Applied Aspects of Biliary tract at a CME jointly Organized by Department of Anatomy, Department of Surgical Gastroenterology & General Surgery, SVIMS, Tirupathi on 6th November, 2021

2.5 Other academic activities of significance

- 1 Accepted for establishing Neuro Science Lab in the Department of Anatomy in conjunction with the Department of Neurosurgery SVIMS.
- 2 Dr D.Srivani, Assistant Professor & Dr I.Vinayaka Naik, Assistant Professor are worked as Duty Doctor’s at COVID Centre SPMC Hospital for a period of 4 months i.e., from April to July 2021.
- 3 Dr C.Sreekanth acted as facilitator & adviser for the presentation of the topic Gross & Surgical anatomy of femoral triangle by Dr D.Srivani Assistant professor in Virtual clinical presentation
- 4 Dr D. Srivani, Assistant Professor- Presented Topic on “Gross and Surgical Anatomy of Femoral triangle” in Virtual clinical presentation at Sri Padmavathi Auditorium, SVIMS on 11th November 2021.

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 M. Kusuma Kumari

Dr T. Silpa

Dr N. Lakshmana

Senior Resident

Dr Pralayakaveri Jyothsna

MD Tutor cum PG Junior Residents

Dr K. Mamatha

Dr Mohammed Arslan

3.1 Awards, achievements and felicitations

1. **Dr M.M.Suchitra**, Professor, Dept of Biochemistry, appointed as a corresponding member of the Task Force on Outcome Studies in Laboratory Medicine (TF-OSLM) of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC).
2. **Dr M.M.Suchitra**, Professor, Dept of Biochemistry, is holding position as the Andhra Pradesh State representative for the Association of Medical Biochemists of India.
3. **Dr N.Harini Devi**, Appointed as Assistant coordinator for NABH on 15th June 2021.

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 scheme.
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. **Funding Agency:** SBAVP, SVIMS, Tirupati.

3. **Principal Investigator:** Dr V.S. Kiranmayi. **Title:** Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism on treatment with thyroxine. Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018. **Funding Agency:** SBAVP, SVIMS, Tirupati.
4. **Principal Investigator:** Dr T.Silpa. **Title:** Implementation and evaluation of self directed learning activity in Biochemistry for first year MBBS students- A pilot study.
5. **Principal Investigator:** Dr T.Silpa T. **Title:** A pilot study to evaluate the effectiveness of Biochemistry laboratory critical result notification protocol at a tertiary care hospital.
6. **Principal investigator:** Dr N.Lakshmana. **Title:** Role of endoplasmic reticulum stress in the pathogenesis of Mucormycosis associated with COVID-19.

3.3 Research Work

Thesis submitted

1. **Mamatha K.** Comparison of methods for measurement of haemoglobin a1c levels in predialysis chronic kidney disease (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

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Ongoing thesis work

1. **Mohammed Arslan.** Association of hypothyroidism with components of metabolic syndrome (MD Thesis).

Thesis ongoing in collaboration with other departments

Dr Aparna R. Bitla is co-guide for the thesis of:

1. **Ms. Nalamolu Ravina Madhulitha** working on “*In silico* identification of potential drug targets, vaccine candidates and inhibitor design against *Mycobacterium tuberculosis*”(PhD-Bioinformatics).
2. **Dr Lakshmi Aishwarya Pavuluri**, titled, “A study of oxidative stress, inflammation and endothelial dysfunction in snake bite induced Acute Kidney Injury”. (DM Nephrology)
3. **Dr Abdul Hakeem**, titled, “Prognostic Significance of Serum Biomarkers and Correlation with CoVID19 Antibody Titre in Guillain-Barré Syndrome”. (DM Neurology)
4. **Dr Y.Hruday Mohan**, titled, “Correlation of inflammatory markers with angiographic disease severity in acute coronary syndrome”. (DM Cardiology)
5. **Dr M.D.Arslan** (MD Biochemistry) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2020; Guide: Dr M.M.Suchitra; Co-guide: Dr V.Suresh Association of hypothyroidism with components of metabolic syndrome

Dr N.Harini Devi is co-guide for the thesis of:

1. **Dr M. Murali.** titled, “Non-invasive assessment of bone disease in patients of chronic kidney disease in various stages” (DM-Nephrology).
2. **Dr N. Prasanna kumar**, titled, “Assessment of oxidative stress, inflammation and urinary podocalyxin in patients of active lupus nephritis”. (DM Nephrology).
3. **Dr M. D. Arslan** Study of components of metabolic syndrome in patients with hypothyroidism (MD Biochemistry)

Dr V.S.Kiranmayi is co-guide for the thesis of:

4. **Dr Vijay Chandra Reddy** titled “Effect of heartfulness meditation practices on endothelial function and inflammation in patients with coronary artery disease” (PhD Pharmacology)
5. **Ms K. Poojitha** titled “The Effect of Heartfulness meditation on vital parameters and Biomarkers of stress in young healthy female students” (PhD Physiology)
6. **Ms M. Haripriya** titled “Effect of heartfulness meditation practices on oxidative stress markers in patients with coronary artery disease” (PhD Physiology)
7. **Dr Mathini** titled “Assessment of nutrition, adipocytokines, insulin resistance, oxidative stress, inflammation, endothelial dysfunction and cardiovascular risk in non diabetic CKD patients on chronic peritoneal dialysis” (DM Nephrology)
8. **Dr G. Rajashekhar Varma** titled “Risk factor analysis and angiographic profile in young patients with coronary artery disease” (DM Cardiology)
9. **Dr N. Sandhya Reddy** titled “To study prerenal and acute tubular necrosis in acute kidney injury with the help of the urinary evaluation, biochemical investigations, imaging and clinical course” (MD Medicine)
10. **Dr Dinesh** titled “Clinical profile of Rhabdomyolysis leading to acute kidney injury in patients presenting to emergency department” (MD Emergency Medicine)

Dr M.Kusuma Kumari is co-guide for the thesis of:

1. **Dr B.Shruthi.** Autoantibodies and Calcitonin in Graves disease with Hyperthyroidism before and after treatment with carbimazole (DM Endocrinology).
2. **Dr Butukuri Likitha.** Patterns and predictors of acute complications among patients with type 1 diabetes mellitus (DM Endocrinology).
3. **Dr Keerthana M.** Glycemic variability among patients with Type 1 Diabetes Mellitus (DM Endocrinology).

Dr Silpa T is co-guide for the thesis of:

1. **Dr S.Srija.** Clinico-imaging profile, course and serum biomarkers of myelin oligodendrocyte glycoprotein associated disorder and comparison with neuromyelitis optica spectrum disorder and multiple sclerosis (DM Neurology).

Thesis completed in collaboration with other departments

Dr Aparna R. Bitla was co-guide for the thesis:

1. **Dr Maria Bethsaida** Manual titled “Correlates of atherosclerotic vascular disease in stable postrenal transplant patients ”. (DM Nephrology)
2. **Dr Alekhya** titled “ A study on markers of inflammation, and oxidative stress in patients with ESRD with peritonitis on peritoneal dialysis”. (DM Nephrology)
3. **Dr Vijaya Krishna M** titled:”Utility of urinary creatinine and plasma creatinine ratio in predicting the onset of diuretic phase in Acute Kidney- A study (MD Medicine)
4. **Dr M Shri Ramya** Medicine “Study of nutritional status in patients with various forms of tuberculosis” (MD Medicine).

Dr M.Kusumakumari was co-guide for the thesis of:

1. **Dr M. Siva Kumar.** Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital (MD Medicine).
2. **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 Medicine).

3.4 Dissertation work

Dessertation submitted:

1. **Naveena G.** Correlation between Lactate, Lactate/ Albumin Ratio and Sequential Organ Failure Assessment score in Patients with septic acute kidney injury (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Naresh Kumar K.** Correlation between Spot urine citrate to creatinine ratio and bicarbonate in chronic

kidney disease Patients with metabolic acidosis (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3. **Suresh M.** Correlation of serum zinc and magnesium with HbA1c in patients with type 2 diabetes mellitus (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3.5 Conferences attended, lectures delivered

International

1. **Dr K. Mamatha and Dr.Mohammed Arslan**, PG Residents attended International conference on Peadiatric Superspeciality in a virtual conference organised by S.V. Medical College Alumini Association, Tirupati on 31st October 2021.
2. **Dr K. Mamatha and Dr.Mohammed Arslan**, PG Residents attended International conference on COVID-19 in a virtual conference organised by S.V. Medical College Alumini Association, Tirupati on 28th November 2021.
3. **Dr Silpa T and Dr K.Mamatha** attended 12th International conference (virtual) on Interventional radiology organized by S. V. Medical College in collaboration with IMA and Sri Venkateswara Institute of Medical sciences, Tirupati on 19th December 2021.

National

1. **Dr Aparna R.Bitla, Dr M.M.Suchitra, Dr N.Harini Devi, Dr T.Silpa, Dr P.Jyothsna, Dr Mamatha** attended 28th National conference on “Molecular Ingress in the realm of modern diagnostics” of the Association of Medical Biochemists of India held at Department of Biochemistry, AIIMS, Raipur during 2nd -5th December 2021 and **Dr Silpa T, presented a poster** on “To Study The Association Of Salivary Urea With Oral Hygiene Index In Pre Dialysis Patients With Chronic Kidney Disease”.
2. **Dr Aparna R Bitla** attended the 28th National Conference of Association of Medical Biochemists of India held in hybrid mode at AIIMS Raipur from 2nd to 5th December 2021 and participated in the Cell culture workshop held on 2nd Dec 2021.

3. **Dr M. Kusuma Kumari, Dr Silpa T** participated in National Virtual conference & Workshop as delegate in DMBIOCON organized by Sree Balaji Medical College & Hospital, Chennai on 6th and 7th August, 2021.
4. **Dr M. Kusuma Kumari**, participated in iCON – National conference on Innovations in Health Professions Education on “Authentic Learning Environment – Bridging the Theory Practice gap” by Medical Education Unit, AarupadaiVeedu Medical College on 17th and 18th November, 2021.
5. **Dr Silpa T**, participated in National Workshop and Conference- ABGCON 2021 at Sree Balaji Medical College & Hospital, Chennai-44 held on 27th and 28th August 2021.
6. **Dr K. Mamatha and Dr Mohammed Arslan**, PG Residents attended National conference on Hematology in a virtual conference organised by S.V. Medical College Alumni Association, Tirupati on 28th August 2021.
7. **Dr K. Mamatha and Dr Mohammed Arslan**, PG Residents attended National conference on Reproductive Medicine and Surgery in a virtual conference organised by S.V. Medical College Alumni Association, Tirupati on 26th September 2021.
8. **Dr Aparna R Bitla, Dr M.M.Suchitra, Dr N.Harini Devi, Dr M.Kusuma Kumari, Dr T.Silpa** attended the 11th Annual AP Medical Educators Conference-APMEDUCON-2021 conducted in virtual mode by Narayana Medical College and Hospital, Nellore during 18-20 November 2021.
9. **Dr N.Harini Devi, Dr. M. Kusuma Kumari and Dr T.Silpa** attended 4th Annual State Conference – Virtual on theme “Single Nucleotide Polymorphism – Role in Diseases” organized by Telangana Chapter– Association of Medical Biochemists of India at Osmania Medical College, Hyderabad on 7th and 8th February 2021.
10. **Dr Silpa T**, attended 11th Annual AP Medical Educators Conference (APMEDUCON) 2021 organized by Department of Medical Education, Narayana Medical College, Nellore from 18th to 20th November, 2021 and **presented a paper in award**

paper category on “Implementation and evaluation of self directed learning activity in Biochemistry for first year MBBS students”.

3.6 Presentations by postgraduates Students

1. **Dr Mohammed Arslan** presented a poster titled “Oxidative stress and Endothelial dysfunction in type-2 Diabetes mellitus patients with Subclinical Atherosclerosis at 28th National conference of Association of Medical Biochemists of India in a Virtual Conference held at AIIMS, Raipur during 02-05 December 2021.

3.7 Publications

Original articles :

1. Sasikala T, M Manohar S, **R Bitla A**, Sarala S, Vaikkakara S. Intercellular adhesion molecule-1 is a surrogate biomarker for subclinical atherosclerosis in Type 2 diabetes mellitus. *Biomark Med.* 2021;15(2):121-132.
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.* 2021 Jan;71(1):76-86. doi: 10.1007/s12020-020-02472-5. Epub 2020 Sep 7. Erratum in: *Endocrine.* 2020 Oct 13;: PMID: 32895874.
3. Ramyasree V, **Bitla AR**, Siva Kumar V, V Vanajakshamma. Comparison of eGFR using different equations and its relationship with microalbuminuria in patients with hypertension. *International Journal of Medical Science and Current Research (IJMSCR)* 2021;4(4):526-34.
4. Rama K, **Bitla AR**, Hulikal N, Yootla M, Yadagiri LA, Asha T, Manickvasagam P, SrinivasaRao PVLN. Circulating serum micro?ribonucleic acids 155 and 205 before and after surgery in patients with breast cancer. *J Clin Sci Res* 2021;10:91-6.
5. 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.* 10.2217/bmm-2020-0428. Epub ahead of print.

6. Chinthapeta Keerthi, Rajendran Arun, Bandi Suresh Babu, Kinnera Vijaya Sreedhar Babu, Alladi Mohan, Chodimella Chandrasekhar, Nandyala Rukmangadha, **M.M. Suchitra**. Serological characterization of auto-antibodies in patients with direct antiglobulin test positive autoimmune haemolytic anaemia at a tertiary care teaching hospital in Tirupati, India. *Journal of Clinical and Diagnostic Research* 2021; 15(8):EC12-EC15.
7. Sowjanya B, **Harini Devi N**, Balakrishna D, Balantrapu P. Is low vitamin D levels a risk factor for coronary artery disease. *International Journal of Contemporary Medical Research* 2021;8(2):B1-B5.
8. Darshini K, **Harini Devi N**. Association between anthropometric indices, lipid accumulation product and atherogenic indices in adolescents. 2021; 4(3):519-26.
9. Mani Deepthi D, Vaikkakara S, Patil A, Ganta S, Sachan A, Raghavendra K, **Kiranmayi VS**, Chowhan AK. Effect of Correction of Hyperthyroidism with Anti-thyroid Drugs on the Glycated Hemoglobin in Non-diabetic Patients with Primary Hyperthyroidism. *Int J Endocrinol Metab* 2021;19:e105751.
2. P.Pullaiyah, **M.M.Suchitra**, Aparna R Bitla, Alok Sachan. Attenuation of oxidative stress, Interleukin-6, High sensitivity C-reactive protein, Plasminogen activator inhibitor-1, and Fibrinogen with oral vitamin D supplementation for six months in patients with type 2 diabetes mellitus having vitamin D deficiency. *Journal of Laboratory Physicians*.
3. 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.
4. 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.
5. Sunnesh Reddy Anapalli, **Harini Devi N**, PVGK Sarma, Lokanathan Srikanth, and Siva Kumar V. Thrombophilic risk factors and ABO blood group profile for arteriovenous access failure in end stage kidney disease patients: a single-center experience . *IRNF#2011746, VOL 0, ISS 0*. 2021.
6. Sarat Chandra Vulugundam, Vinapamula S Kiranmayi, Srinivasa Rao PVLN, Sivakumar Vishnubhotla : Hepatocyte Growth Factor in Predialysis and Hemodialysis Chronic Kidney Disease patients. (*Saudi Journal of Kidney Diseases and Transplantation*).
7. **Lakshmana N**, Harini Devi N, Bitla AR, Sachan A, Sivakumar V, Srinivasa Rao PVLN. Evaluation of four novel biomarkers for diagnosis of normoalbuminuric diabetic nephropathy in south Indian population. Accepted for publication in *Saudi Journal of Kidney Disease and Transplantation*.

Book chapters

1. Kiranmayi VS, Bitla AR, Srinivasa Rao PVLN, Siva Kumar V. Role of Oxidative Stress, Inflammation, and Endothelial Damage “Cerberus – the three-headed hound” in causing Cardiovascular Disease in Chronic Kidney Disease. Chapter 22 in *Hypertension reviews* 2021, Pg 174-189.

Case reports / special features / review :

1. Jyothisna P, **Vinapamula KS**. Urine sodium dithionite test: A useful clinical test for paraquat poisoning. *J Clin Sci Res* 2020;9:184-5.

Accepted for Publications

1. Rama K, **Bitla AR**, Hulikal N, Yootla M, Yadagiri LA, Asha T, Manickavasagam M, Srinivasa Rao. Assessment of circulating serum microRNA?21 and miRNA?205 as diagnostic markers for stage I and II breast cancer in Indian population. Accepted for publication in *Indian Journal of Cancer*.

Papers under review

1. K.Veena Sree, K.Varshitha, V.R.Praneetha, Narahari N.Palei, V.S.Kiranmayi, Shivanandh Budarapu, V.Sivakumar : A cross sectional study of uremic pruritus, anxiety, depression and quality of sleep in patients of predialysis, dialysis and post transplant stages of diabetic and nondiabetic chronic kidney disease in a tertiary care centre. (*Saudi Journal of Kidney Diseases and Transplantation*).

Annual Report 2021

2. M.Keerthi Thej, **Aparna R. Bitla**, PVLN Srinivasa Rao, Alok Sachan. Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus. International Journal of Diabetes for the developing countries.

3.8 CMEs organised

1. A CME was jointly organised by the Depts. of Endocrinology, Biochemistry and Pharmacology on the topic: Fundamental Concepts in Thyroidology Revisited on 13th March 2021.

3.9 CMEs / seminars/workshops attended

1. **Dr M.Kusuma Kumari, Dr K.Mamatha, Dr Silpa T and Dr Mohammed Arslan**, participated in 5th Interstate seminar “Seminar on Endocrinology” at S.V. Medical College, Tirupati, held on 30th May 2021.
2. **Dr M. Kusuma Kumari**, attended the Virtual National CME on ‘Current and Future Perspectives of Cytokines as Biomarkers in Human Disease’ conducted by Department of Biochemistry, Sri Devaraj Urs Medical college, Kolar on 13th May 2021.
3. **Dr Silpa T**, attended the National CME Webinar on “Unravelling the covid code- A multidimensional approach”, Organized by Government Kilpauk Medical College and Hospital & The Tamil Nadu Dr. MGR. Medical University held on 7th and 8th January 2021.
4. **Dr Silpa T**, participated in the CME on Quality and Accreditation in clinical laboratories organized at Breach Candy Hospital Trust, Mumbai held on 19th and 20th January 2021.
5. **Dr Silpa T**, participated in CME on “International Diagnostic Colloquium at Chettinad Hospital & Research Institute, Kanchipuram held on 9th July 2021.
6. **Dr Silpa T**, participated in the “E- Learning tools in Competency Based Medical Education” National online workshop organized by the Department of Biochemistry, Chettinad Hospital and Research Institute on 18th September 2021.
7. **Dr Silpa T**, participated as delegate in the online CME programme on “COVID-19: AN

ENDOTHELIAL DISEASE” organized by the Department of Biochemistry, SRM Medical college Hospital and research centre, Chengalpattu District, held on 24th September, 2021.

8. **Dr K. Mamatha and Dr.Mohammed Arslan**, PG Residents attended seminar on Cardiology in a virtual conference organised by S.V. Medical College Alumni Association, Tirupati on 24th January 2021.

3.10 Other academic activities

1. **Dr Aparna R.Bitla and Dr V.S. Kiranmayi** completed the online training course on statistical data analysis using R software held by NIHFM, New Delhi from 1st-3rd March 2021.
2. **Dr Aparna R.Bitla and Dr V.S. Kiranmayi** attended the “Master Class Series” courses conducted by Consortium of Accredited Healthcare Organizations (CAHO) from January to March, 2021.
3. **Dr Aparna R.Bitla** was External examiner for the PhD open defense viva of Mr. Rajeev Gandham, for his thesis titled, “Circulating angiogenic, oxidative stress markers and their possible association with endothelial function in normal pregnant and preeclamptic women” for Sri Devaraj Urs Academy of Higher Education and Research on 2nd June 2021 through zoom platform.
4. **Dr Aparna R.Bitla** attended the Continuing Quality Education Series’ session on “Best Practices in ICU Management” conducted by Consortium of Accredited Healthcare Organizations (CAHO) on 25th June 2021.
5. **Dr Aparna R.Bitla and Dr V.S. Kiranmayi** attended the International Workshop on Leadership : Skills for Change Agents conducted on 28th September 2021 and 4th October 2021 by the University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar.
6. **Dr Aparna R.Bitla and Dr V.S. Kiranmayi** attended the International Workshop on Leadership : The Monkey Workshop - Managerial Leadership: Delegating For Development conducted on 14th and 21st September 2021 by the University Centre for Health Professions Education, Sri Devaraj Urs

Academy of Higher Education and Research, Tamaka, Kolar.

7. **Dr Aparna R.Bitla and Dr V.S. Kiranmayi** attended the webinar on “Quality Assurance at Point of Care: The Westgard Lessons!” on **12th November 2021**.
 8. **Dr Aparna R.Bitla and Dr M.M.Suchitra**, were resource faculty for Revised basic course workshop conducted by Medical Education Unit, SVIMS, SPMCW, Tirupati from 29th-30th September 2021.
 9. **Dr M.M.Suchitra**, attended as external Examiner for I MBBS examination held at ACSR Medical College, Nellore from Feb 20th to Feb 22nd 2021.
 10. **Dr M.M.Suchitra**, attended an online course on “Applications of Excel and Access in Medical Sciences” Program organized by Medical Education Unit of India from March to May 2021.
 11. **Dr M.M.Suchitra**, set a Biochemistry question paper for Phd Entrance examinations for RGUHS, Karnataka, in March 2021.
 12. **Dr M.M.Suchitra**, attended a First Virtual International diagnostic conclave organized by CAHO LABCON on 27th March 2021.
 13. **Dr M.M.Suchitra**, was appointed as the coordinator for MSc. Medical courses from April 2021.
 14. **Dr M.M.Suchitra**, was appointed as The Chief warden of SVIMS, SPMCW, Women’s hostel, Tirupati from May 2021.
 15. **Dr M.M.Suchitra**, attended as external Examiner for MD Biochemistry practical examination at Chengalpattu Medical College, Chengalpattu, from 3rd-4th August 2021.
 16. **Dr M.M.Suchitra**, attended as external Examiner for MD Biochemistry practical examination at Mysore Medical College, Mysuru, from 9th - 10th August 2021.
 17. **Dr M.M.Suchitra**, attended as external Examiner for MD Biochemistry practical examination at Mandya Institute of Medical Sciences, Mandya, from 11th - 12th August 2021.
 18. **Dr M.M.Suchitra**, attended the first contact session of the Advanced Course in Medical Education held at the Nodal Centre, CMC, Vellore from 25th-29th October 2021.
 19. **Dr N.Harini Devi, External examiner** for the conduct of MBBS practical viva at Akash Institute of Medical sciences, Bangalore, Karnataka from 25.02.21 to 27.02.21.
 20. **Dr N.Harini Devi, External examiner** for the conduct of MBBS practical viva at Narayana medical college, Nellore from 14.06.21 & 15.02.21 through zoom platform.
 21. **Dr V.S.Kiranmayi** attended the International Webinar Series on “Incident reporting, analysis and building the culture of safety” conducted by Consortium of Accredited Healthcare Organizations (CAHO) on 5th January, 2021.
 22. **Dr V.S.Kiranmayi** attended the International Webinar Series on “Human factors in patient safety” conducted by Consortium of Accredited Healthcare Organizations (CAHO) on 2nd February, 2021.
 23. **Dr M. Kusuma Kumari** participated in VMKV Medical College & Hospitals, Salem organized online webinar discussing “Self-Directed Learning” by Dr. Sucheta Dandekar on January 27, 2021.
 24. **Dr M. Kusuma Kumari** completed online course “Comprehensive course in Molecular testing Laboratory” by Jayesh Warade on Udemy on July 7, 2021.
 25. **Dr M. Kusuma Kumari** attended IFCC Live webinar on “Common laboratory measures of dysglycaemia; Their strengths and weaknesses” on October 27, 2021.
 26. **Dr Silpa T**, participated in the Capacity Building in Modern Technology in Teaching Learning: Nurturing Young Faculty lecture series on “Effective Implementation of Self-Directed Learning (SDL) in Undergraduate Medical Education” conducted by SRM Medical College Hospital & Research Centre. Digital Webinar held on 18th December 2021.
- Dr N. Lakshmana** attended the “Revised Basic Course Workshop for full time teaching faculty of colleges under NMC, Medical Education Department, at SVIMS, SPMCW on 29th, 30th September and 1st October 2021.

4.0 DEPARTMENT OF BIOINFORMATICS

Professor & Head

Dr A. Umamaheswari

PhD Research Scholars

Mr. Katari Sudheer Kumar
Ms. Sharon Priya Alexander

Ms. Nalamolu Ravina Madhulitha
Mr. Vankadoth Umakanth Naik

Mrs. Pakala Sivaranjani

4.1. Fellowships received

1. Mrs. Pakala Sivaranjani, has received ICMR-SRF for research project entitled “Identification of potential drug targets and inhibitor design against Human cervical cancer through transcriptomic approaches “ by ICMR on 15th March 2021.

4.2 Research projects

Research Projects completed

1. **Principal Investigator:** Dr A. Umamaheswari, **Title:** *In silico* identification of potential targets, vaccine candidates and inhibitor design against *Mycobacterium tuberculosis*, **Funding agency:** Indian Council of Medical Research (ICMR), New Delhi, 2018-21.

Ongoing Research Projects

1. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Potential drug targets identification and inhibitor design for human breast cancer through transcriptomic analysis, **Funding agency:** Department of Science and Technology (DST), Govt. of India, New Delhi, 2017-22.
2. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Identification of potential drug targets and inhibitor design against Human cervical cancer through transcriptomic approaches. **Funding**

agency: Indian Council of Medical Research (ICMR), New Delhi, 2021-23.

3. **Principal Investigator:** Dr. A. Umamaheswari, **Title:** Design of lead roles to manage Parkinson’s disease. **Funding agency:** National fellowship for schedule tribes -University grant commission (NFST-UGC), New Delhi, 2018-23

4.3 Research works

Ongoing thesis work

1. Katari Sudheer Kumar. *In silico* trials to identify potent inhibitors against matrix metallo proteinases in breast cancer (PhD).
2. Nalamolu Ravina Madhulitha. Computer aided approach to identify potential drug targets and potent lead molecules against *Mycobacterium tuberculosis* (PhD).
3. Sharon Priya Alexander. Potential drug targets identification and inhibitor design for human breast cancer through transcriptomic analysis (PhD).
4. Pakala Sivaranjani. Identification of potential drug targets and inhibitor design against human cervical cancer through transcriptomic approaches (PhD).
5. Vankadoth Umakanth Naik. Design of lead roles to manage Parkinson’s disease (PhD).

4.4 Lectures delivered in conference

1. Dr A. Umamaheswari, Professor and Head delivered a lecture on “Biological database and similarity search” in the Online workshop on Molecular data analysis through Bioinformatics tools organized by Department of Molecular Biology and Biotechnology (MBB) SV Agricultural college, Acharya NG Ranga University, Tirupati, on 1st November, 2021.

4.5 Conferences participated

National

2nd Virtual National Conference on “Advances in Artificial Intelligence (AAI2021)” organized by DST-CURIE-AI, Dept. of Computer Science SPMVV, Tirupati during 11-12 November 2021.

1. Sivarani P, Lalitha S, Sharon Priya Alexander and Umamaheswari A. Identification of Novel Antiviral Molecule Targeting NSP10 of SARS-CoV-2 using Machine Learning Algorithms was presented and published.
2. Sharon Priya Alexander, Geervani M, Sivarani P and Umamaheswari A. Machine Learning Based Hierarchical Clustering to Design of Novel Inhibitors Targeting Spike Protein of SARS-CoV-2 was presented and published.
3. Bhavya K, Umakanth Naik, K. Sudheer Kumar and Umamaheswari A. Big data Analysis for Identification of Drug Targets and Inhibitor Design Against c. Auris was presented and published.
4. Bhuvaneswari, M. Ayyappa, N. Ravina Madhulitha and Umamaheswari A. Inhibitor Design for Envelope Protein of SARS-CoV-2 Through Machine Learning Algorithms was presented and published.
5. Vankadoth Umakanth Naik, Gandikota Pravalika and Umamaheswari A. Design of Deep Learning based New Therapeutics Against ACE2 of Homo Sapiens was presented and published.
6. Hemasree, Pakala Sivarani, Sharon Priya Alexander and Umamaheswari A. Generation of SIFT to Explore Novel Inhibitors Against NSP15 of SARS-CoV-2 was presented and published.
7. Hemantha Manikumar Chakravarthi, Pasala Chiranjeevi, K. Sudheer Kumar, Nalamolu Ravina Madhulitha, and Umamaheswari A. Machine Learning Approach for Designing TFB4 Inhibitors of Candida auris was presented and published.
8. Koteswara Rao, Sharon Priya Alexander, Umakanth Naik V and Umamaheswari A. Identification of Novel Inhibitor Against Aspartokinase of Candida auris was presented and published.
9. Murthi Vidya Rani, Galla Rajitha, Vankadoth Umakanth Naik and Umamaheswari A. Design of Cinnamic Acid Derivatives as EGFR Inhibitors using Molecular Docking and Interaction Fingerprint Studies was presented and published.
10. Galla Rajitha, Murthi Vidya Rani, Umakanth Naik V and Umamaheswari A. Design of Heterocyclic Compounds as EGFR Inhibitors using Molecular Docking and Interaction Fingerprint Studies was presented and published.

4.6 Publications

1. Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Sharon Priya A, Umakanth Naik V, Sivarani P and Umamaheswari A (2021) Lipopolysaccharide: An indispensable source for potential targets and therapeutic design against Gram-negative bacteria. Journal of Clinical and Scientific Research, 2021; 10:2339. DOI:10.4103/JCSR.JCSR_72_20.
2. Galla Rajitha, Murthi Vidya Rani, Umakanth Naik V and Umamaheswari A (2021), Design of Novel Selective Estrogen Receptor Inhibitors using Molecular Docking and Protein-Ligand Interaction Fingerprint Studies. Journal of Pharmaceutical Research International, ISSN: 2456-9119. DOI:10.9734/JPRI/2021/v33i46A32890.
3. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Bitla Aparna R and Umamaheswari A (2021) In silico trials to design potent inhibitors against matrix metalloproteinase (MMP-7). Journal of Biomolecular Structure and Dynamics. 2021/8/18, doi.org 10.1080/07391102.2021.1965032.

4. Nagalakshamma V, Venkataswamy M , Chiranjeevi P , Uma Maheswari A ,Thyaga Raju K , Nagaraju C and Chalapathia PV (2021) A study on MAPK/ERK andCDK2-Cyclin-E signal switch “on and off” in cell proliferation by bis ureaderivatives of 1, 4-Diisocyanatobenzene. Bioorganic Chemistry . Volume 112 July2021, 104940, .doi.org/10.1016/j.bioorg.2021.104940
5. Anil Kumar Singh, Sudheer Kumar Katari , Uma Maheswari A and Abhay Raj (2021)In silico exploration of lignin peroxidase for unraveling the degradation mechanismemploying lignin model compounds. Royal Society of Chemistry 14632–14653.Doi.org/10.1039/D0RA10840E.

4.7 CMEs/Seminars/Workshops attended

1. Aspire BioNEST University of Hyderabad during 19th May 2021 to 22nd June 2021
 - Sharon Priya Alexander, Pakala Sivaranjani attended workshops on “Designing Human Genetic Research”, “The Art of Primer Designing” and “Explore Covid Genome”.
1. Sharon Priya Alexander, Pakala Sivaranjani, attended Genes to Pathway First Edition Decode Life duing May to November 2021.

2. V Umakanth Naik, Sharon Priya Alexander, attended workshop on Python For Bioinformatics organization by the Read My Course New Delhi during April –August 2021.
3. V Umakanth Naik attended workshop Introduction to R workshop during 24th April-5th June 2021 organized by the The Association for Medical and Bio-Informatics, Singapore (AMBIS).
4. V Umakanth Naik attended workshop on Molecular Docking for Beginners organization by the Finoseq Madurai Tamilnadu on 30th May 2021.

4.8 Other academic activities of significance

1. Dr Chandra Sekhar Reddy Chilamakuri Senior Computational Biologist at Cancer Research UK Cambridge Institute, University of Cambridge, given hands on training on Next Generation Sequencing in the Department of Bioinformatics, SVIMS from 19th to 20th February 2021.
2. Sri Ram Suraya and Bingi Supraja, M.tech Biotechnology from Vellore Institute of Technology have successfully completed their dissertations in the Department of Bioinformatics SVIMS from Oct 2020 to June 2021.

5.0 DEPARTMENT OF BIOTECHNOLOGY

Associate Professor & Head

Dr P.V.G.K. Sarma

Teaching Assistant

Mrs E.L. Samundeswari

Ph. D Research Scholars

Mr S. Subbarayudu

Ms K. Surekha

Ms G. Deepika

Mrs E.L. Samundeswari

Mrs K. Sireesha

5.1. Awards

1. **Dr P.V.G.K. Sarma**, Associate Professor was awarded *Bharat Ratana Mother Theresa Gold Medal award* was given for the year 2021 by Global Economic Progress and Research Association on 24th July 2021, Chennai, On the occasion of 77th National Unity Conference on Individual Achievements and National Development.

5.2. Research work

Ongoing 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).
2. Deepika G. Molecular characterization of proteases in *Staphylococcus aureus* ATCC 12600 showing anti-biofilm properties (Ph.D).
3. Surekha K. *In vitro* generation of mesangial cells from human hematopoietic stem cells (Ph.D).

4. Sireesha K. *In vitro* generation of keratinocytes from human hematopoietic stem cells (Ph.D).
5. Samundeswari E.L. *In vitro* generation of chondrocytes from human hematopoietic stem cells (Ph.D).

Dissertation Work

Dissertation Submitted

1. Ausha. Identification of CD45 Markers in human hematopoietic stem cells in *in vitro* culture (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Bhanuprakash. Comparative analysis of Pentapeptide ligase (Mur F) activity in drug sensitive *Staphylococcus aureus* ATCC 12600 and multi drug resistant strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. Bhavya G. Identification and characterisation of CD90 expressed in cultured human mesenchymal stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

4. Girish Nag. Role of Aldehyde dehydrogenase in maintaining the Quiescent nature of Human Haematopoietic and Mesenchymal stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 5. Induu T. Identification and characterisation of CD73 expressed in cultured human mesenchymal stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 6. Ishwarya. Identification and characterization of CD34+ stem cells in *in vitro* culture (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 7. Lokesh Sai Kishore. Role of hepcidin in idiopathic crythrocytosis patients (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 8. Mrudula. Cloning of “Serine Protease” (SspA) encoding gene of *Staphylococcus aureus* ATCC 12600 which play important role in Biofilm dispersal (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 9. Nandini. Identification of CD105 Marker in human mesenchymal stem cells *in vitro* culture by using quantitative real time PCR (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 10. Pavitra Expression of Telomerase in Human Haematopoietic and Mesenchymal stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 11. Premalatha. Determination of protease activity in *Staphylococcus aureus* strains ATCC12600 and Multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 12. Prasad Kumar. Comparative analysis of Peptide Deformylase (PDF) enzyme activity in drug sensitive *Staphylococcus aureus* ATCC 12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 13. Rani Gayatri M. Identification and characterisation of CD133 expressed in cultured human haematopoietic stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 14. Rupa. Cloning of Cysteine protease (SspB) encoding gene of *Staphylococcus aureus* ATCC12600 which play important role in biofilm dispersal (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 15. Naga Yoshitha. Comparative analysis of uridine monophosphate kinase (UMPK) activity in drug sensitive *Staphylococcus aureus* ATCC 12600 and multi drug resistant strains of *Staphylococcus aureus*. Sri Venkateswara Institute of medical Sciences; 2021: Tirupati.
- #### 5.4. Conferences attended; lectures delivered
- ##### Dr PVGK. Sarma, delivered lectures on
1. “New Frame shift and Missense mutations in the Ring finger domain of BRCA1 in clinically proven breast cancer patients” at 6th Edition - Webinar on BREAST CANCER (GMT) during 17-18 March 2021.
 2. “**Medical Genetics-An overview**” in the Webinar on National workshop on Teacher training programme at UGC Academic staff college, Sri Venkateswara University, Tirupati on 10th October 2021.

5.5 Publications

Chapters written in various books

- 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.

5.6. Research papers published

1. Dharaniprasad G, Samantaray A, Srikanth L, HanumanthaRao M, Chandra A, Sarma PVGK, Bhan V. Mutations and structural variations in Catechol-O-methyltransferase gene of patients exhibiting chronic persistent surgical pain. Rev EspAnesthesiolReanim (Engl Ed). 2021;68(3):128-136. English, Spanish. doi: 10.1016/j.redar.2020.09.012.
2. Yugandhar VG, M. M. Sunita MM, Kumar PS, Subbarayadu S, Chaudhary A, Sarma PVGK. *Staphylococcus aureus* grown in anaerobic conditions exhibit elevated glutaminebiosynthesis and biofilm units. Can. J. Microbiol. 2021; 67: 323–331.
3. Srikanth L, Sarma PVGK. Andrographolide binds to Spike glycoprotein and RNA-dependent RNA polymerase (NSP12) of SARS-CoV-2 by in silico approach, a probable molecule in the development of anti-Corona viral drug. Journal of Genetic Engineering and Biotechnology. 2021; 19:101.
4. Surekha K, Sunitha MM, Samundeshwari EL, Sireesha K, Sarma PVGK. Increased insulin and GLUT2 gene expression and elevated glucokinase activity in β -like cells of islets of langerhans differentiated from Human Haematopoietic stem cells on treatment with Costusigneus leaf extract. Molecular Biology Reports. 2021; 48:4477–44

6.0 DEPARTMENT OF CARDIOLOGY

Senior Professor & Head

Dr D. Rajasekhar

Professor

Dr V. Vanajakshamma

Assistant Professors

Dr G. Rampavan kumar
Dr P.Chandrasekhar Reddy

Dr G.Sandeep Kumar
Dr C.Bharavi

Dr.Y. Madhava naidu
Dr B.Phalgun

PG Senior Residents

Dr P.Venkata Harish
Dr G.Rajasekhar Varma
Dr V. Varunmitra

Dr Y.Hanok Hruday Mohan
Dr K.Sriram
Dr V.Viswanath

Dr B.Kiran
Dr P.Varun

Research Scholars

P. Mounica Reddy

A. Supriya

6.1. Awards, achievements and Felicitations:

1. Department Cardiology achieved the feat of 1000 Cardiac interventions in 2021 despite the COVID Pandemic. This was archived for 12th year in succession. SVIMS is the only hospital in Andhra Pradesh to archive this feat.
2. Dr V. Vanajakshamma, Professor, received “Ugadi Puraskaram” from Vidya Parirakshana Samithi on 11th April 2021.
3. Dr. V. Vanajakshamma, Professor, received “Social Justice Service Award” from Legal Opiner for Victim Empowerment (LOVE) Foundation, Vijayawada on 25th November 2021.

6.2 Research Projects

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.

- 2 The Impact of Heart Failure on Household Economic Well-Being – SVIMS has enrolled as a sub centre for the ICMR Study.

Dr V. Vanajakshamma as principle investigator.

- 1 Effect of ‘Heartfulness’ meditation practices in hypertensive patients. Funding Agency: SBAVP, SVIMS.

6.4. Research Work:

Thesis Work

Theses to be submitted

1. Venkata Harish P. Association of Testosterone with the Angiographic severity of coronary artery disease in the middle age males (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Kiran B. Correlation between ASCVD score, ankle brachial index and CT calcium score with severity of coronary artery disease on coronary angiogram

(DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3. Sriram K. Echocardiographic assessment of right ventricular function in inferior wall myocardial infarction and angiographic correlation with right coronary artery disease (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
4. Varunmitra V. 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 (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. Hanok Hruday Mohan Y. Correlation of inflammatory markers with Angiographic Disease severity in Acute Coronary syndrome (DM Thesis).
2. Varun Pulugundla. Correlation between Echocardiography calcium scoring and CT Coronary calcium score and its association with severity of Coronary artery disease on Catheter Coronary angiogram in Coronary artery disease (DM Thesis).
3. Viswanath V. Roll of Aortic propagation velocity in patients with coronary artery disease - A Novel Echocardiographic parameter of atherosclerosis (DM Thesis).
4. Rajasekhar Varma G. Risk factor analysis and Angiographic profile in young patients with coronary artery disease (DM Thesis).
5. Vijaya Chandra Reddy.K. Effect of 'Heartfulness' medication practices on endothelial function and inflammation in patients with coronary artery disease (PhD).
6. Mounica Reddy P. Effect of heartfulness meditation on maternal cardiovascular hemodynamics and fetal outcomes (PhD).

7. Supriya A. Impact of Yoga on peacefulness of pregnant women, cardiovascular hemodynamics, stress levels, maternal, fetal and neonatal outcomes (PhD).

Dissertation work

Dissertation submitted

1. Shifa Khanam. Demographic, Clinical pattern and management of patients with rheumatic heart disease. (MSc Echo). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

6.4. Conferences attended, lectures delivered:

International:

- 1 Dr D. Rajasekhar, was appointed as an abstract reviewer by the European Society of Cardiology for its annual scientific sessions ESC Congress held in August 2021.

National & State:

- 1 Dr D. Rajasekhar, The Indian College of Cardiology national chapter elected Dr D. Rajasekhar as 'President Elect' of ICC in May 2021.
- 2 Dr D. Rajasekhar, served as Chairman scientific committee for the 28th Annual conference of Indian College of Cardiology organised in Hybrid mode in Bangalore from 19th-21st November 2021
- 3 Dr D. Rajasekhar, assumed office as President Indian College of Cardiology on 21st November 2021.
- 4 Dr D. Rajasekhar, spoke on "ARNI in heart failure- where do we stand today?" at the CME organised by alumni association of SVMC at Tirupati on 24.01.2021.
- 5 Dr D. Rajasekhar, chaired a scientific session in the 28th annual conference of ICCCON held at Bangalore from 19th -21st November 2021.
- 6 Dr D. Rajasekhar, participated as:
 - Panelist in the discussion on Management of Hypertension organised online on 15th April 2021.

Annual Report 2021

- Panelist in the discussion on Dyslipidemia organised online on 18th February 2021.
- Faculty and chairperson in the 13th Asia Pacific vascular intervention course organised online in New Delhi from 19th -21st December 2021
- Faculty and chaired a scientific session in the Annual National Conference of Cardiologists Society of India organised online in Hyderabad from 1st -4th December 2021.
- Faculty in the December 2021 edition of Heart Failure Clinics organised online by Heart Failure association of India as a panelist in Post Graduate PG case discussion on 17th December 2021.
- Panelist in the program “Complex angioplasty Live-Learn from Masters” a live webinar organised on 7th March 2021 as a moderator.
- Panelist in the “Cardio Live 2021” an interventional cardiology live session organised online on 23rd April 2021.
- Panelist in the “Complex Cardiology” Live session an online meeting organised on 22nd August 2021.
- Panelist in the live webinar “Cardiocover 2.0” organised online on 29th October 2021.
- Panelist in the webinar “Interventional & Imaging Summit” organised online on 26th November 2021.
- Panelist in the “Complex Interventional and Imaging Conclave 2021” organised online on 19th December from Hyderabad.
- 7. Dr V. Vanajakshamma, Took online ECG classes to Govt. doctors of AP on 4th, 5th, 18th, 19th and 20th January 2021.
- 8. Dr V. Vanajakshamma, Delivered a guest lecture on “Spectrum of Congenital Heart diseases my experience and Ancient wisdom” in a CME organized by IMA at SVMC Tirupati on 24th January 2021.
- “Healthy life style” to lecturers of India , HRD, ASC, SVU on 2nd January, 8th March, 16th August and 22nd December 2021.
- “Health and wellness” at SVETA, TTD, Tirupati on 6th April, 29th July and 21st December 2021.
- “Healthy life style” to students of CREST, Bangalore on 3rd June 2021.
- “Covid 19 and Heart” to students and staff of SPMVV, Tirupati on 7th June 2021.
- “Healthy life style – Immunity and Covid 19” to students and staff of Vidyanikethan College of nursing, Tirupati on 14th June 2021.
- “Heartfulness Meditation” at Unnath Bharath Abhiyan – Grameena Arogya series on 17th June 2021.
- “Healthy life style” to students of NSU, Tirupati on 19th June 2021.
- “Yoga the way of life” on the occasion of International Yoga Day at NSU, Tirupati on 21st June 2021.
- “Role of Women in Nation building” at Gokaraju Rangaraju college of Pharmacy, Hyderabad on 2nd July 2021.
- “Corruption International perspective” at SVU, Tirupati on 17th July 2021.
- “Role of Yoga and Meditation on Pregnancy outcomes” at FOGSI conference, SVMC, Tirupati on 5th September 2021.
- “Healthy life style” to Swadhyaya group AP on 4th December 2021.
- “Science behind Meditation” to Swadhyaya group AP on 6th December 2021.
- “Health and wellness” during Orientation program at SV Engineering college, Karakambadi road, Tirupati on 8th December 2021.

8. Dr V. Vanajakshamma, attended as guest on the occasion of
 - “International women’s day” at Govt Girl’s Home and SV Music College on 8th March 2021.
 - “Induction Program” for new Employees of TTD on 15th July 2021.
 - “Universal brotherhood day” at Swami Vivekananda Kendra Tirupati on 11th September 2021.
 - “Teachers Day Celebrations” at Kapileswara swamy school, Thatithopu on 18th September 2021.
 - Orientation session at NSU, Tirupati on 6th October 2021.
 - Award release session of Tirupati Arts Society on 31st October 2021.
 - Children’s Day celebrations at Juvenile home, Govt boys’ home and Kapileswara Swamy School on 17th November 2021.
 - Children’s Day celebrations at Kodanda Rama Swami School on 24th November 2021.
9. **Dr V. Vanajakshamma, Participated at:**
 - National education conclave organized by Heartfulness Education Trust on 12th and 13th January 2021.
 - Conference on Life style diseases and health promotion organized by NIHFW, Delhi from 10th to 13th Aug 2021.
 - Conference organized by IEEE on technologies for future cities as Reviewer at Mumbai on 8th and 9th Oct 2021.
 - 14th World Confluence of Humanity, Power & Spirituality organized by Universal Spirituality and Humanity foundation, Kolkata on 17th and 18th Dec 2021.
 - 8th International Cardiology CME, Mumbai on 17th and 18th Dec 2021.
 - International Webinar on Complementary and Integrative Health Care in the Prevention and Management of Communicable Diseases Organized by CHCPMC, SCR, Tirupati on 20th Dec 2021.
10. Dr P. Chandrasekhar Reddy, Dr G. Ram Pavan Kumar, Dr Y. Madhava Naidu attended 6th Annual update of Face the examiners -Virtual Mode during 23rd- 24th January 2021.
11. Dr P. Chandrasekhar Reddy, Dr G. Ram Pavan Kumar, Dr Y. Madhava Naidu, attended 35th Annual conference CSI Delhi branch - Virtual Conference held on 20th & 21st March 2021.
12. Dr P. Chandrasekhar Reddy, Dr G. Ram Pavan Kumar, Dr Y. Madhava Naidu, Dr P. Venkata Harish, Dr B. Kiran, Dr K. Sriram, Dr V. Varunmitra, Dr Y. Hanok Hruday Mohan, Dr G. Rajasekhar Varma, Dr P. Varun, Dr V. Viswanath, attended 28th Annual conference of Indian College of Cardiology 2021 at Bangalore– Hybrid Conference during 19th - 21st November 2021.
13. Dr P. Chandrasekhar Reddy, Dr G. Ram Pavan Kumar, Dr Y. Madhava Naidu, Dr P. Venkata Harish, Dr B. Kiran, Dr K. Sriram, Dr V. Varunmitra, Dr Y. Hanok Hruday Mohan, Dr G. Rajasekhar Varma, Dr P. Varun, Dr V. Viswanath, Dr B. Kiran, attended, CSICON 2021 Hyderabad In virtual mode from 2nd to 5th December 2021
14. Dr K. Sriram participated in Medical Quiz conducted during 28th Annual conference of Indian College of Cardiology 2021, Bangalore– Hybrid Conference held on 19th to 21st November 2021.

6.5 Presentations by Postgraduate students:

- 1 Dr K. Sriram. presented a Poster titled “ Echocardiographic assessment of right ventricular function in inferior wall myocardial infraction and angiographic correlation with right coronary artery disease” in CSICON 2021 Hyderabad in virtual mode from 2nd to 5th December 2021.

2. Dr V. Varunmitra. presented a Poster titled “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” in CSICON 2021 Hyderabad in virtual mode from 2nd to 5th December 2021

6.6. Publications:

Original articles: (Published)

1. Bhan V, Satyavathi S, Rao K.S, Vanajakshamma, V. Cardiac Myxoma: 10 Years Study of Presentations, Resection and Outcome. World Journal of Cardiovascular Surgery 2021; 11: 83-94.
2. Vanajakshamma V, Latheef K, Reddy PM, Anusha ND, Rajasekhar D, Prayaga A, et al. General health check-up of employees aged ≥40 years at a tertiary care hospital for their health status and to diagnose their health problems. J Clin Sci Res 2021; 10:19-24.
3. Vanajakshamma V, Vyshanavi K, Latheef K, Anusha K, Mounica Reddy P. Gender-wise comparative assessment of lifestyle patterns and wellbeing status among healthcare employees at a tertiary care hospital. Ind J Car Dis Wom 2021; 6(1): 1-5
4. Annaiah E, Sivaparvathi K, Sharvani N, Sharan Singh B, Vanajakshamma V, Hemalatha M, Latha C, Sivakumar V. Pulmonary artery hypertension in patients on Peritoneal dialysis. Saudi J Kidney Dis Transpl 2021; 32(1): 280-3.
5. Chandana V, Shifa Khanam PM, Latheef K, Vanajakshamma V, Rajasekhar D. Spectrum of Congenital Heart Diseases and its Correlation with Maternal Risk Factors. J Pediatr Assoc India 2020; 9:105-9.
6. Vanajakshamma V, Latheef K, Vyshnavi K, Mounica Reddy P, Padmanabha Varma B. Gender-wise comparison of de novo health problems in employees of a tertiary care hospital aged ≥40 years – importance of general health checkup. J NTR Univ

Health Sci. 2021. [Accepted for Publication. MS ID: JDRNTRUHS_127_20]

7. Madhava Naidu Y, Vanajakshamma V, Rajasekhar D, Raghuram B, Kiran B. Utility of Global longitudinal strain and strain rate imaging to identify potential coronary artery disease in patients with subclinical left ventricular systolic dysfunction. J Cardiovasc Thorac Res. 2021. [Under Review].
8. Vanajakshamma V, Latheef K, Vyshnavi K. Prevention of Cardiovascular Disease – It must start in Childhood. Indian J Cardiol. 2021 [Under Review].

6.7 Work Shops at SVIMS

1. Dr Yogesh Kothari from Bengaluru held workshops on EP+RFA on 24th & 25th July-2021 and 14th December 2021.
2. Dr. Edwin Francis, from Kochi, Kerala held workshops on ASD, VSD and PDA Device closures from 30th to 31st July, 2021 and from 10th to 11th December, 2021.

6.8 Orations

1. 5th Balaji Cardiology Endowment Oration was organised on 11th December 2021. Dr. Edwin Francis, MBBS, DCH, MD DNB (Paediatrics), Fellowship (Paed. Cardiology), DM, DNB (Cardiology), Lisie Hospital, Ernakulam, Kerala. He spoke on “Bending the Norms: Structural Interventions in Cardiology”.

6.9 Other academic activities

Dr. D. Rajasekhar, appointed as inspector by NMC, Examiner by NMC for FNB, DNB and paper setter for entrance tests.

Dr D. Rajasekhar reviewed post graduate thesis for several universities and NMC

Dr D. Rajasekhar severed as

1. Examiner for DM Cardiology Course at several universities during the year

2. Member of executive committee of State IMA.
3. Member of IEC of SVIMS
4. Member of thesis protocol evaluation committee for superspeciality courses of SVIMS.
5. Member of high value purchase committee of SVIMS.
6. Convenor of Research advisory committee of SVIMS.
7. Chairman of Disciplinary and Grievance cell of SVIMS.
8. Member of Academic senate of SVIMS.

Dr V. Vanajakshamma, Officiated as

- NMC Assessor at B.M. Patil Medical College, BLDE, Bijapur, Karnataka on 24th August 2021.
- DM Cardiology Examiner at Andhra Medical College, Vizag on 3rd September 2021.
- DM Cardiology Examiner at Madurai Medical College, Madurai on 8th Sep 2021.
- DM Cardiology Examiner at Madras Medical College, Chennai on 13th and 14th Sep 2021.
- DM Cardiology Examiner at DY Patil Medical College, Pune on 22nd Sep 2021.
- 1st Institute body meeting of AIIMS, Madurai on 16th Jul 2021.
- Controller of Examinations at SVIMS University on 1st Sep 2021

Dr. V. Vanajakshamma, Participated as

- Faculty, Sankalpa Serpanch training program organized by Govt of AP on 22nd, 23rd and 24th July 2021.
- Faculty, Sankalpa vice Serpanch and Ward member training program organized by Govt of AP on 25th and 26th Oct 2021.

On the occasion of World Heart Day on 29.09.2021 a public awareness Program on various Heart diseases was organized by the Department of Cardiology in Padmavathi OP Block.

6.10 Statistics

| Particulars | Total number 2021 |
|--|----------------------|
| Out Patients | 41434 |
| In Patients | 2823 |
| ECG | 66092 |
| Echo | 23108 |
| TMT | 417 |
| Holter | 498 |
| TEE | 97 |
| CAG | 1754 |
| Total PTCA | 951 |
| Device closures | 41 |
| EP+RF Ablations | 54 |
| Fluoroscopy | 131 |
| PPI | 59 |
| TPI | 165 |
| IVUS | 88 |
| PTMC | 35 |
| Pericardiocentesis | 4 |
| FFR | 19 |
| PBPV | 2 |
| IVC Filter | 1 |
| Total Interventions | 1110 |
| Interventional mortality (16/1110) | 1.44% |
| Mortality (All inpatients) (185/2823) | 6.55% |

7.0 DEPARTMENT OF CARDIOTHORACIC SURGERY

Dr Abha Chandra, Prof. & HoD (Retd. on 31.10.2021)

Professor & I/c HOD

Dr Vinod Bhan

Faculty

Dr K. Sudhakar Rao

Dr Mayank Jadon

Dr D. Sri Satyavathi

Dr G.Kiran

Senior Resident

Dr AB. Naveen Kumar

Dr P.Narmada

7.1 Publications

1. Vinod Bhan, Satyavathi S, Rao K.S. and Vanajakshamma V. Cardiac Myxoma: 10 Years Study of Presentations, Resection and Outcome. World Journal of Cardiovascular Surgery 2021;11:83-94.

7.2 Conferences and workshops attended, Lectures delivered

International

Dr Vinod Bhan, attended

1. 5th Annual conference of Society of Minimally Invasive Cardiovascular & Thoracic Surgeons of India (hybrid Edition) at New Delhi during 24th - 25th September, 2021.
2. 67th Annual conference of India Association of Cardiovascular & Thoracic Surgery, IACTS conference during 27th - 28th February 2021(Virtual conference).
3. IACTS Score 2021 (Virtual mode) under Indian Associates of Cardiovascular & thoracic Surgery on 3-4th April, 2021.

Workshops:

1. The When & how of Advanced heart failure organised by Abbott. Com on 30th June 2021 (Virtual mode)

2. Small aortic root course organised by Abbott.com on 17th July 2021 (Virtual mode).
3. Adult human Bone Marrow Derived, Allogenic Merenchymal stromal cells for Peripheral vascular Disease attended as member National Advisory Board meeting on 13th August 2021 organised by Cipla Ltd.

7.3 Conferences / CME / Meetings attended

Dr D.Sri Satyavathi, participated as delegate in

1. CME on Mechanical support for mechanical complications in Acute Myocardial Infection by Meril life on 21st January 2021.
2. Symposium -VEITH SYMPOSIUM (online) on Endovascular AV FISTULAS in contemporary dialysis access practice by vascular surgeons, Germany on 30th January 2021.
3. Symposium on Mechanical Thrombectomy for the Treatment of Chronic DVT, on February 4 by Veith international vascular society
4. IACTSCON 2021 on 26th & 28th of February 2021 by Indian Association of Cardiovascular-Thoracic Surgeons.
5. Frank j. Veith international society: innovation in vascular surgery & endovascular therapies on 8th March 2021.

6. IACTS SCORE 2021 by Indian Association of Cardiovascular-Thoracic Surgeons on 3rd & 4th April 2021.
7. CME on Evolving trends in Aortic Surgery with Dr.Bashi V. Velayudhan, Dr.Prof. Zhu Junming. On June 23, 2021
8. Technocollege Continuing Medical Education Programme 24 – 25 July 2021 Organised By Department of Cardiovascular and Thoracic Surgery Sree Chitra Tirunal Institute For Medical Sciences And Technology, Thiruvananthapuram.
9. CT CME 2021 by Indian Association of Cardiovascular-Thoracic Surgeons and Madras Medical Mission on September 20, 21. 2021
10. IACTS Thoracic CME by Indian Association of Cardiovascular-Thoracic Surgeons on 20th and 21st November 2021.
11. Virtual Deep Venous Summit: Complex deep vein interventions on December 14, 2021.
12. Regular clinical meetings conducted by SVIMS on every Thursday and Saturday Institutional CME s and oration meetings.

7.4 Publications

1. Left Ventricular Pseudoaneurysms in Children-A Case Series. World J Pediatric Congenital Heart Surg. 2020 Jul;11(4).
2. Bhan, V., Satyavathi, S., Rao, K.S. and Vanajakshamma, V. (2021) Cardiac Myxoma: 10 Years Study of Presentations, Resection and Outcome. World Journal of Cardiovascular Surgery
3. Lateral circumflex artery femoral pseudo aneurysm following coronary intervention – case report Submitted to circulation case reports.
4. 25 years experience in Peripheral arterial occlusive diseases, ethics committee approved, ongoing retrospective study.

8.0 Clinical Virology

Professor & I/c HOD

Dr Usha Kalawat Professor & HOD

Faculty

Dr Anju Verma

8.1 Research Projects

Research projects completed

1. Comparison of Covid-19 Antigen Self-Test with Real time PCR.
2. Effect of delay in processing and storage temperature on diagnosis of SARS-CoV-2 by RTPCR testing
3. Comparison of seven IVD approved SARS-CoV2 real-time RT-PCR kits
4. Detection of IgG antibodies and neutralizing antibodies against SARS CoV2 in health-care workers

Ongoing research projects

1. Saliva as an alternative to nasopharyngeal swab for detection of SARS CoV2 using RT-PCR as diagnostic method
2. Surveillance of Scrub typhus among patients with acute Encephalitis syndrome or Undifferentiated Febrile illness.
3. Pan India Epidemiological, Virological and Genomic Surveillance for Human Influenza and COVID-19 through VRDL Network.
4. A study of sentinel surveillance for circulating serovars and serogroups of Leptospira across the country

5. Complete genome sequencing and molecular characterization of dengue viruses using a next generation-based sequencing approach

8.2 Research work

Theses submitted

1. Rishi Gowtham. Molecular Characterization and Identification of Potential Inhibitors for 'E' Protein of Dengue Virus (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Meenakshi Kante. Study of Atypical Pneumonia in a Tertiary Care Teaching Hospital of Sri Venkateswara Institute of Medical Sciences, Tirupati and Sri Venkateswara Ramnarain Ruia (SVRR) Government General Hospital, Tirupati with Molecular Characterization of Pneumocystis jirovecii (PhD).

8.3 Publications

1. Mudhigeti N, Kalawat U, Hulikal N, Racherla RG. E6-E7 based nested multiplex PCR assay for genital HPV detection and simultaneous typing of 15 high and low-risk HPV types. Indian J Med Microbiol. 2021 Dec 8;S0255-0857(21) 04717-4.
2. Pragya D Yadav, Dimpal A Nyayanit, Triparna Majumdar, Savita Patil, Harmanmeet Kaur, et al. An Epidemiological Analysis of SARS-CoV-2 Genomic Sequences from Different Regions of India. Viruses 13 (5), 925.

3. Alagarasu K, Patil JA, Kakade MB, More AM, Yogesh B, Newase P, Jadhav SM, Parashar D, Kaur H, Gupta N, Vijay N, Narayan J, Shah PS; VRDL Team. Serotype and genotype diversity of dengue viruses circulating in India: a multi-centre retrospective study involving the Virus Research Diagnostic Laboratory Network in 2018. *Int J Infect Dis.* 2021 Oct;111:242-252.

4. Harika, Ngaraja, B Siddhartha, Kalawat U ...Evaluation of a New Rapid Antigen Detection Test for the Diagnosis of Influenza Virus Infection in a Tertiary Care Hospital of Southern India., *Journal of clinical and diagnostic research* 15 (4), DC23 - DC28

8.4 CME/Workshop attended

1. Conference attended – XXIV IAMM TAPC Annual Conference. Held on 17th & 18th September 2021.
2. Online Training Course on Application of Biostatistics in Epidemiology Conducted by

NIHFW, New Delhi. The National Institute of Health and Family Welfare during 20th - 22nd December 2021.

3. 11th annual conference of the clinical infectious diseases' society of India. CIDSCON conducted during 21st-25th September 2021.

4. XVII Annual conference of the hospital control society of India, HISICON 2021 conducted during 29th -31st July 2021.

8.5 CME conducted:

1. CME and quiz programme on Rabies for undergraduate students conducted on 8th September 2021 in Padmavathi Medical College.
2. Awareness programme conducted on world zoonosis day on 6th July 2021.

9.0 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

9.1. Awards, achievements and felicitations

Dr. K Nagaraj, has

1. Nominated as member of Project Review Group of Health Services Research in ICMR, Govt of India, New Delhi.
2. Nominated as member of Research Advisory Committee of Model Rural Health Research Unit (MRHRU), Chandragiri, ICMR, Department of Health Research, Govt. of India.
3. Acted as convenor in International webinar on “complementary and Integrative Health Care in the Prevention and Management of Communicable Disease” organized by Sidha Clinical Research Unit, Tirupati Central Council for Research in Siddha (CCRS), Ministry of AYUSH, Govt. of India. In association with Sri Venkateswara Institute of Medical Sciences(SVIMS), Tirupati

Dr Anju D Ade, has received

1. Certificate of Excellence in Reviewing in the year 2021 by Journal of Pharmaceutical Research International & by Journal of Advances in Medicine & Medical Research.
2. International Research Vibhushan Award for the Contribution of Research and Academics on 15th August 2021 by ISSN.

Dr D S Sujith Kumar, has

1. Successfully completed the online training course on “Health Care Communication” Organised by Department of management Sciences (NIHFW), New Delhi from 15th to 17th December 2021.

2. Successfully completed the “Online national faculty development programme (FDP) on Outcomes based teaching, assessments and Evaluation” organized by Inpods India on 17th September 2021.
3. Successfully completed the course on “Use of technology for implementing Competency based Medical Education” organized by Inpods India on 19th August 2021.
4. Presented e poster on “Using Journal Articles to Teach Epidemiological Methods and Biostatistics to Medical Undergraduates as a Part of the Community Medicine Curriculum: A Mixed Problem Based Teaching Approach” in Virtual International Conference for Health Professions Education (VICHPE - 2021) organized by Department of Medical Education, Era University, Lucknow and Al Sadiq International Virtual University (SIVU), USA on 6 – 8 April 2021.
5. Successfully completed the online national level faculty development programme on “Statistical applications using SPSS software” organized by G.L.Education Foundation, Bengaluru from 15-19 February 2021.
6. Successfully completed the online course of study for Competency Based medical education (Community Medicine) organized by MEU India during August 2020 to December 2020.

Dr Ravi Sankar Deekala, has

1. Faculty MEU, SVIMS, SPMCW, Tirupati: Presented How to frame a Short Answer Question in Revised Basic Course Workshop (RBCW) at SVIMS,SPMCW on 29th, 30th September and 1st October 2021 Conducted by Medical Education Unit

- (MEU) SVIMS, Sri Padmavathi Medical College for Women (SPMCW), Tirupati.
- Published an article as co author titled Clinical utility of 18 fluorodeoxyglucose positron emission tomography/computed tomography in rheumatology in Journal of Clinical and Scientific Research (JCSR), SVIMS, Tirupati. (J Clin SciRes 2021;10:97-102.)
 - Prepared annual Academic Calendar for clinical Meetings, CPC, CME, Spotter presentation, Capsule on investigation, for the calendar 2022 along with Dr R Arun, Associate Professor of Transfusion Medicine.Dt 20-11-2021.
 - Prepared & Submitted NABH Chapter 6: Patient safety and Quality improvement PSQ 4: The Organisation uses Appropriate quality Improvement Tools for its Quality Improvement Activities, SVIMS Guidelines.
- Dr V Chandrasekhar**, has received
- Certificate of Appreciation from Director, IIT Tirupati in recognition to the support to IIT Tirupati during the COVID-19 pandemic i.e COVID-19 Vaccination at IIT, Tirupati, A.P on 15th August 2021 on the occasion of 75th Independence day.
 - Letter of Appreciation for delivering a **Guest Lecture** on the occasion of **‘World Health Day–2021’** with the theme ‘Building a fairer, healthier world’ at Dr.Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundaion, Gannavaram, A.P on 07.04.2021.
 - COVID-19 Warrior award & Certificate of Appreciation from Director, SVIMS for his active support during the challenging times of COVID-19 Pandemic in SVIMS during Republic day celebrations - 2021 on 26th January, 2021.
 - Contributed a book chapter titled “Identifying health need of your Community” in “Steps towards achieving excellence in Community Medicine” book authored by Dr.Jugal Kishore and Dr.U.Venkatesh published by Century Publications, New Delhi in 2021.
 - Conducted Senior Professional First Aid Training and examination at IRCS Chittoor District branch, Chittoor on 23rd December, 2021
 - Participated as **World Health Organization (WHO)** External Monitor for COVID-19 vaccination monitoring held in the month of March 2021 in Chittoor District, Andhra Pradesh conducted by WHO country office for India.
 - Participated as **World Health Organization (WHO)** External Monitor for Polio Supplementary Immunization activity (NID) held in the month of January & February 2021 in Chittoor District, Andhra Pradesh conducted by MOHFW-GOI and WHO country office for India
 - Received Certificate of Achievement for completing the “COVID-19: Diagnostics and Testing” course organised by APSSDC in association with the Future Learn and London School of Hygiene and Tropical Medicine (LSHTM), FIND, ASLM (African Society For Laboratory Medicine) in association with Bill & Melinda Gates Foundation on 6th June 2021.
 - Attended the 1st Contact session of the online “NMC Advance Course in Medical Education” organised by Medical Education department, CMC at NMC Nodal Centre for National Faculty Development, Christian Medical College, Vellore 20th to 23rd April 2021.
 - Certificate of Participation in recognition of successful completion of DSACS Sponsored three day online Capacity Building Training in Management of STIs/RTIs as Delegate from 7th to 9th April 2021, organized by Apex Regional STD Centre, Safdarjung Hospital, New Delhi.
 - Participated in the online training programme on “Disaster Management during COVID Crisis” on 16 Jun 2021 to 18 Jun 2021 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, New Delhi in collaboration with Federation of Indian Chambers of Commerce & Industry.
 - Certificate of Excellence in Reviewing in recognition of an outstanding contribution to the quality of the International Blood Reasearch & Reviews Journal.
 - Certificate for successfully completing the “Online Training Course on Scientific Writing” course held by NIHFW, New Delhi from 17th to 19th March 2021.

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14. Certificate for his participation as a delegate in the sessions of Capacity Building for Evidence Based Child Health in North East India Region – 2021 Program organised by ICMR, Advanced Center for Evidence Based Child Health, Department of Pediatrics Advanced Pediatric Center, Post Graduate Institute of Medical Education and Research, Chandigarh, India on 14th October 2021.
 15. Certificate of Appreciation for his active participation in Faculty Development Program on Protecting Inventions & Research through Patents & Copyright conducted by Dhanalakshmi Srinivasan Medical college and hospital, Perambur, Tamilnadu on 10th July 2021.
 16. Certificate of Appreciation from NPTEL/ SWAYAM-A Project funded by MHRD, Govt. of India for translating the files of the course ‘**Teaching Ale Learning in Engineering (TALE)**’ course by IISC Bangalore in Telugu language on 30th November 2021. (Translator ID Tran0889).
 17. Certificate for successfully completing the One week (Online) Faculty Development Programme on **“Exploratory Data Analysis using Statistical Software R and SPSS”** from 07th to 13th January, 2021 organised by Department of Statistics and Internal Quality Assurance Cell (IQAC) Mata Sundri College for Women, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
 18. Record of Achievement for completing the course on “COVID-19 infodemic management: risk communication and community engagement challenges” under Health Emergencies programme conducted by World Health Organization (WHO) on June 29, 2021
 19. Certificate in recognition and appreciation for his active participation in the National Survey on ‘Doctors for COVID-19’ conducted by the World Health Organization (WHO) along with Institution for Disasters, Emergency & Accidents (IDEA) in 2021.
 20. Certificate of Appreciation for participating as delegate in Training workshop of IMPACT 2.0 (Immunization Practices to Achieve Coverage Targets) organised by IAP, Gujarat and UNICEF held online on 5th September 2021.
 21. Resource Person in **“Revised Basic Course workshop on Medical Education Technologies”** Conducted by Medical Education Unit, SVIMS-Sri Padmavathi Medical College for Women, Tirupati held on 29th & 30th September and 1st October 2021.
 22. Under the guidance of **Dr.Chandrasekhar Vallepalli**, Ms Mannem Meghana Sumalini, Final MBBS student has presented **Scientific Poster presentation** titled “Impact of Low Birth Weight and BreastFeeding practices on the Nutritional status of Children aged 2 to 5 years in the slums of Tirupati City” in the 26th A.P State IPHA / IAPSM – Joint Conference (Virtual) organised by department of Community Medicine, Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 8th & 9th January 2021.
 23. Acted as Nodal Officer for SVIMS COVID-19 Vaccination Centre since 16th January 2021.
- Dr. G Visweswara Rao**, has
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 COVID 19 immunization activity at Chittoor District, Andhra Pradesh, in Phase 1 COVID 19 vaccination drive January **2021**.
 2. Successfully completed the course on “Care of pregnant health care workers during COVID 19 (2021) conducted by Department of personnel training, Govt.Of India on 25.12.2021.
 3. Successfully completed the “ Getting Started Courses Sim Man 3G, Sim New B, Teaching with LLEAP & SBE” conducted by SVIMS Simulation Centre and Laerdal Medical India held on 14-17th December 2021.
 4. Successfully completed the “Online national faculty development programme (FDP) on Outcomes based teaching, assessments and Evaluation” organized by Inpods India on 17.09.2021.

- Received Certificate of Excellence in Reviewing by Journal of Pharmaceutical Research International in recognition of an outstanding contribution to the quality of the journal on 16.09.2021.
- Successfully completed the course on “Use of technology for implementing Competency based Medical Education” organized by Inpods India on 19.08.2021.
- Received certificate of appreciation by Department of Community Medicine actively contributing for faculty development programme on protecting inventions & Research through Patents and Copyright conducted by Dhanalakshmi Srinivasan Medical college and Hospital on 10.07.2021.
- Successfully completed the online national workshop on “Epidemiology and Disease modelling” organized by Indian Institute of Public Health Gandhinagar with support from Gujarat state Biotechnology Mission, Department of Science and Technology, Govt.of Gujarat from 8th to 10th April 2021.
- Successfully completed the course on “Online training course on scientific writing” held by NIHF, New Delhi from 17th to 19th March 2021.
- Successfully completed the online national level faculty development programme on “Statistical applications using SPSS software” organized by G.L.Education Foundation, Bengaluru from 15-19 February 2021.
- Successfully completed the online course of study for Competency Based medical education (Community Medicine) organized by MEU India between August 2020 to December 2020.
- Acted as Nodal Officer for SVIMS COVID-19 Vaccination Centre since 16th March 2021.

Dr. TVD Prathysha, has

- Awarded the certificate from **ICMR-NIE, Chennai** for successfully completing the course on “**Basic Course in Biomedical Research**” through NPTEL / Swayam portal of Ministry of HRD, Govt. of India in session.
- Received appreciation for her contribution in monitoring immunization activities in and around

Tirupati Chittoor district & received certificate of participation from World Health Organization’s (**WHO**) National Public Health Surveillance Projects **External Monitor** in COVID 19 immunization activity Chittoor District, Andhra Pradesh, in COVID 19 vaccination December **2021**

- Acted as Nodal Officer for SVIMS COVID-19 Vaccination Centre since 1st April 2021.

9.2. Research Projects

Research Projects completed

- Co-Investigator:** Dr Ravi Sankar Deekala. **Title:** “Knowledge Attitude, and Practice breast feeding among postnatal mothers in rural areas of Tirupati, Andhra Pradesh”. (Principal Investigator Divya Bharati Intern 2016 MBBS batch)
- Co-Investigator:** Dr Chandrasekhar Valleppalli **Title:** Prevalence and Risk Factors of Anemia among Individuals with Type 2 Diabetes Mellitus in Urban Slums of Tirupati city: An Overlooked Association. Indian Council of Medical Research (ICMR) Short Term Studentship (STS) 2020 shortlisted research project entitled which is a self funded research project.

Ongoing Research Projects:

National

- Principal Investigator:** Dr K.Nagaraj **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.
- Principal Investigator:** Dr K.Nagaraj, **Title:** Improving the Health Care Access among scheduled tribes: An “Implementation Research in Chittoor District, Andhra Pradesh. **Funding Agency:** ICMR.
- Principal Investigator:** Dr. K.Nagaraj, **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.
- Dr Nagaraj Kondagunta acting as Guide** to Dr. Navya Keertana , Research Associate for the

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. **Co-Principal Investigator: Dr Chandrasekhar Valleppalli, 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
6. **Co-Investigator:** Dr Chandrasekhar Valleppalli, **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.
7. **Co-Investigator:** Dr Chandrasekhar Valleppalli, **Title:** Self Care Practices and Quality of Life among Diabetic patients in rural area of Chittoor District, Andhra Pradesh. funded by Model Rural Health Research Unit (MRHRU), Chandragiri under aegis of ICMR, New Delhi
8. **Dr G. VisweswaraRao**, Assistant Professor is **Co-Investigator / Guide** for the ongoing research project titled “**A study on Nutritional status among Adolescent girls in rural areas of Tirupati**”.
9. **Dr.G. VisweswaraRao**, Assistant Professor is **Co-Investigator** for the ongoing research project titled “**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

9.3 Conferences attended, lectures delivered

Dr. K.Nagaraj, has attended

1. Guest lecture entitled “ Current public health approaches in prevention and control of epidemics of communicable diseases” in International webinar on “complementary and Integrative Health Care in the Prevention and Management of Communicable Disease” organized by Sidha Clinical Research Unit, Tirupati Central Council for Research in Siddha (CCRS), Ministry of AYUSH, Govt. of India. In association with Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati.

2. Delivered talk on “Prevention and control of Rabies” in Rabies Awareness Programme on 08.10.2021 Regional Centre for Zoonotic Diseases. (NCDC Project), Department of Clinical Virology

Dr Anju D Ade, has

1. Participated in one week online family development programme on exploratory data analysis using statistical software R and SPSS during 7th to 13th January 2021.
2. Attended International Webinar on “Complementary and Integrative Health Care in the prevention & management of communicable Diseases on 20th December 2021 at SVIMS, Tirupati.

Dr. D.S.Sujith Kumar

International

1. **Dr D S Sujith Kumar**, Associate Professor has participated as Resource faculty in “Revised Basic Course workshop on Medical Education Technologies “Conducted by Medical Education Unit, SVIMS-Sri Padmavathi Medical College for Women, Tirupati held on 29th&30th September and 1st October 2021.
2. **Dr D S Sujith Kumar**, Associate Professor has successfully participated in 4 days International conference on examinations – IDEA 2010 – International debate on Examinations & Assessments - 2021 organised by council of examiners – India and Skill gate foundation, Pune from 8th June to 11th June 2021.
3. **Dr D S Sujith Kumar**, Associate Professor has participated in the virtual International conference for Health Professions Educations (VICHPE-2021) organized by department of Medical Education, Era University, Lucknow and Al Sadiq International Virtual University (SIVU), USA on 6th-8th April 2021.
4. **Dr D S Sujith Kumar**, Associate Professor has participated in the virtual International conference on “i-MECON: International Medical Education Conference” conducted by the University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar held between 25th – 27th March 2021.

National:

1. **Dr D S Sujith Kumar**, Associate Professor has attended the International Webinar on Complementary and Integrative Health Care in the Prevention and Management of Communicable Diseases organized by Siddha Clinical Research Unit Tirupati, CCRS, Ministry of Ayush, Govt. of India, jointly with Department of Community Medicine, Sri Venkateswara Institute of Medical Sciences (SVIMS) Tirupati conducted on 20th December 2021.
2. **Dr D S Sujith Kumar**, Associate Professor has participated in SPOC 2021 Conference on “Importance of Balancing and Interconnecting the Whole Body to Prevent Cancer” organized by Apollo Spectra Hospitals, Bangalore conducted on 13th & 14th November 2021.
3. **Dr D S Sujith Kumar**, Associate Professor has attended “National Conference on Haematology” organized by S.V.Medical College Alumni Association (SVMCAA) on 29.08.2021.

State:

1. **Dr D S Sujith Kumar**, Associate Professor has participated in the state level conference 26th Andhra Pradesh State IPHA / IAPSM - Joint Conference (Virtual) organised by department of Community Medicine, Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 08th & 09th January 2021.

1. **Dr. Ravi Sankar Deekala**

International:

1. **Dr Ravi Sankar Deekala** Attended **International Conference** (Virtual) on Recent advances and trends in Interventional Radiology on 19-12-2021 organized by S.V.Medical College Alumni Association (SVMCAA), Tirupati, Andhra Pradesh, India.

National:

1. **Dr Ravi Sankar Deekala** participated as delegate in 26th Andhra Pradesh State IPHA/IAPSM- Joint conference APCON 2021 (Virtual) on 8th & 9th January 2021 conducted by Apollo Institute of Medical Sciences, Chittoor, Andhra Pradesh.

2. **Dr Ravi Sankar Deekala** acted as Resource faculty for the Revised Basic Course Work Shop (RBCW) conducted by Medical Education Unit (MEU) 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, delivered presentation on How to frame a Short Answer Question, during 29th, 30th September and 1st October 2021.

Dr. V.Chandrasekhar

International:

1. **Dr.Chandrasekhar Valleppalli**, Assistant Professor attended the **International Conference** on Examination – IDEA 2021 International Debate on Examination & Assessment - 2021 organized by the Council of Examiners – India and Skill Slate Foundation, Pune, in association with IonIdea and Gniot Institute of Management, UP from 8th June 2021 to 11th June 2021.
2. **Dr.Chandrasekhar Valleppalli**, Assistant Professor attended **International conference** on Tobacco Control and Smoking Cessation – Evidence to Action organised by Indian Society of Clinical Oncology in association with MOH & FW, GOI on 20th August 2021 & 21st August 2021 at Delhi, India.
3. **Dr.Chandrasekhar Valleppalli**, Assistant Professor attended **Virtual International conference** on COVID 2021 & Beyond with theme on Updates on Epidemiology, Clinical car & Public Policy organised by CETI and IIPH-Gandhinagar in association with CETI on July 17, 2021.
4. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as Delegate in “**12th International Conference on Interventional Radiology**” organised by SVMCAA; IMA, Tirupati; SVMC, Tirupati & SVIMS, Tirupati on 19th December 2021 at Tirupati, Andhra Pradesh.
5. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as Delegate in “**10th International Conference on Paediatric Super Specialty**” organised by SVMCAA & IMA, Tirupati on 31st October 2021 at Tirupati, Andhra Pradesh.

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6. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in **“11th International Conference on COVID-19”** organised by SVMCAA; IMA, Tirupati; SVMC, Tirupati & SVIMS, Tirupati on 28th November 2021 at Tirupati, Andhra Pradesh.

National:

1. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has attended the **International Webinar** on Complementary and Integrative Health Care in the Prevention and Management of Communicable Diseases organized by Siddha Clinical Research Unit Tirupati, CCRS, Ministry of Ayush, Govt. of India, jointly with Department of Community Medicine, Sri Venkateswara Institute of Medical Sciences (SVIMS) Tirupati conducted on 20th December 2021.
2. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has attended **CZ-UP NEOCON 2021** as online delegate in 2nd Annual conference of the Central Zone & UP Neocon organised by NNF India NNF UP & IAP Meerut Branch on 25th & 26th September 2021.
3. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the National e-conference **“CHETCOMON – 2021: Tobacco Harm Reduction”** organised by IAP on 23rd & 24th January 2021.
4. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as a Delegate in **41st Annual conference of IAP UP Chapter, E-UP PEDICON** organised by Department of Emergency Medicine, PESIMSR in association with EM Andhra Pradesh chapter and EMA Indi from 7th to 9th April 2021.
5. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has received Certificate for participating as delegate in the conference of National Education Conclave on ‘Re-Imagining University Education with a Heart-Centered Approach’ held on 12th and 13th January 2021.
6. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in **“9th National Conference on Reproductive Medicine & Surgery”** organised by SVMCAA on 26th September 2021 at Tirupati, Andhra Pradesh.

7. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in **“8th National Seminar on Hematology”** organised by SVMCAA on 29th August 2021 at Tirupati, Andhra Pradesh.

State:

1. **Dr.Chandrasekhar Vallepalli**, Assistant Professor attended **26th A.P State IPHA / IAPSM – Joint Conference (Virtual)** organised by department of Community Medicine, Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 8th & 9th January 2021.
2. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in the NEPHROCON 2021 organised by the Mumbai Kidney Foundation, IMA & Kidney Associates held at virtual platform on 9th & 10th October 2021.
3. **Dr.Chandrasekhar Vallepalli**, Assistant Professor attended **E-EM ANDHRA 2021 2nd State level conference** organised by Department of Emergency Medicine, PESIMSR in association with EM Andhra Pradesh chapter and EMA Indi from 7th to 9th April 2021.

Dr. G.Visweswara Rao

International

1. **Dr.G.VisweswaraRao**, Assistant Professor has attended **International conference on Interventional Radiology** organized by S.V.Medical College Alumni Association (SVMCAA) on 19.12.2021.
2. **Dr.G.Visweswara Rao**, Assistant Professor has attended **International conference on COVID 19** organized by S.V.Medical College Alumni Association (SVMCAA) on 28.11.2021.
3. **Dr.G.VisweswaraRao**, Assistant Professor has attended **International conference Paediatric Super Speciality 19** organized by S.V.Medical College Alumni Association (SVMCAA) on 31.10.2021.
4. **Dr.G.Visweswara Rao**, Assistant Professor has attended one day International **conference COVID 2021 & Beyond** organized by SCETI and IIPH-Gandhinagar on 17.07.2021.

5. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the virtual International conference for Health Professions Educations(VICHPE-2021) organized by department of Medical Education, Era University, Lucknow and Al Sadiq International Virtual University (SIVU), USA on 6th-8th April 2021.

6. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the virtual International conference on “**i-MECON : International Medical Education Conference**” held between 25th – 27th March 2021 conducted by the **University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka,Kolar.**

National:

1. **Dr.G.Visweswara Rao**, Assistant Professor has attended “**National Conference on Reproductive Medicine &Surgery**” organized by S.V.Medical College Alumni Association(SVMCAA) on 26.09.2021.

2. **Dr.G.Visweswara Rao**, Assistant Professor has attended “**National Conference on HEmatology**” organized by S.V.Medical College Alumni Association (SVMCAA) on 29.08.2021.

3. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the “National E Conference on CHETCOMCON-2021: Tobacco Harm Reduction” organized by Department of Community Medicine, Chettinad Hospital & Research Institute on 02.06.2021.

State:

1. **Dr.G.VisweswaraRao**, Assistant Professor has participated as faculty in “**Revised Basic Course workshop on Medical Education Technologies**” **Conducted** by Medical Education Unit, SVIMS-Sri Padmavathi Medical College for Women, Tirupati held on 29th&30th September and 1st October 2021.

2. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the state level conference **26th Andhra Pradesh State IPHA / IAPSM - Joint Conference (Virtual) organized by department of Community Medicine, Apollo Institute of**

Medical Sciences & Research, Chittoor, Andhra Pradesh on 08th & 09th January 2021.

Dr. T.V.D.Prathyusha

1. **Dr.Prathyusha TVD**. Has participated in the 26th Andhra Pradesh organised state ipha/iapsm joint conference (virtual) on 8th and 9th January 2021 by department of community medicine, Apollo institute of medical sciences and Research ,Chittoor, Andhra Pradesh.

Presentations by postgraduate students

9. 5.Publications

Book chapters:

1. **Vallepalli C**. Identifying health need of your Community. In: Kishore J, Venkatesh U, ed. by. Steps towards achieving excellence in Community Medicine, New Delhi: Century Publications; 2021. p. 29-42

Original articles:

1. **Nagaraj Kondagunta**. Gender Differences in Healthy Lifestyle Practices and Well-Being in Preventing Noncommunicable Diseases. Indian J Cardio Vasc Dis in Women WINCARS 2021;6:6-7.

2. **Ravisankar D**, Kommireddy S, Manthri R, Reddy SA, Kalawat T. Clinical utility of 18 fluorodeoxyglucose positron emission tomography?computed tomography in rheumatology. J Clin SciRes 2021;10:97-102.

3. **Ravisankar D**, Kommireddy S, Manthri R, Reddy SA, Kalawat T. Clinical utility of 18 fluorodeoxyglucose positron emission tomography?computed tomography in rheumatology. J Clin SciRes 2021;10:97-102.

4. **Chandrasekhar Vallepalli**, Srisai O, Nagaraj K. 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. J NTR Univ Health Sci 2021;10(2):94-8

5. Vijayalakshmi UB, **Chandrasekhar Vallepalli**, Srinivasa Rao P. Volunteering Motivations of Medical Undergraduates for Community Service at a Tertiary Care Teaching Hospital-A Qualitative

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Study. Journal of Clinical & Diagnostic Research. 2021 Oct 1;15(10):14-6.

6. D.Bhanu Kiran, G.Sravan Kumar, **Chandra Sekhar Valleppalli**, N.Partha Sarathy, Prashanth NSS. A Cross Sectional Study on the Gap in Doctor – Patient Communication in a Tertiary Care Hospital. Int. J. Heal. Clin. Res. 2021;4(13):42-6.
7. **G. Visweswara Rao, C. V. Monika**. Study of Lifestyle Disease Risk Factors among High School Students in Tirupati: A Base Line Study for Intervention. Annals of Community Health 2021;9(1):108-116.
8. **G. Visweswara Rao, C. V. Monika, K.Nagaraj**. Comparative Study to Assess the Lifestyle Disease Risk Factors among High School Students of Government and Private Schools in Tirupati. Annals of Community Health 2021;9(1). Accepted for publication
9. **P.Navya Keerthana, Nagaraj Kondagunta, G.Visweswara Rao**. Study of depression among elderly in urban areas of Tirupati. Annals of Community Health 2021;9(1).Accepted for publication

9.6. CMEs/ Seminars/ Workshops/ Orations conducted by the dept.

1. Workshop on **Dietary Assessment** conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
2. Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “**Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh**” on 01.09.2021 to 03.09.2021.

9.7.CMEs/ Seminars/ Workshops attended

Dr. K Nagaraj

1. **Dr. K Nagaraj**, Professor & HOD has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.

2. **Dr. K Nagaraj**, Professor & HOD has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.

Dr. Anju D Ade

1. **Dr. Anju D Ade**, Professor has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
2. **Dr. Anju D Ade**, Professor has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.
3. **Dr. Anju D Ade**, Professor has completed course in “Introduction to Infection Prevention and Control (IPC)” by WHO on 26th February 2021.

Dr. D S Sujith Kumar, has

1. Participated in Virtual Symposia on Chrono medicine” organised by Indian Society of Chrono medicine held on 28th Dec 2021.
2. Participated in the Capacity Building in Modern Technology in Teaching Learning: Nurturing Young Faculty lecture series on “Effective Implementation of Self-Directed Learning (SDL) in Undergraduate Medical Education” conducted by SRM Medical College Hospital & Research Centre. Digital Webinar held on 18th December 2021.
3. Participated in the two-day National webinar on “Attainment of Quality Medical Education: Responsibilities of a Health Institution.” Organized by IQAC, KGMU in Collaboration with ECHO India on 3rd-4th December 2021.
4. Participated in the CME on “Imaging in Parkinsonian syndrome” organized by Departments of Nuclear medicine and Radiology, SVIMS on 02.12.2021.

5. attended the “Online workshop on Basic Epidemiology and Statistics, SPSS and Critical Appraisal” conducted by the department of Community Medicine, SRIHER from 24.11.2021 to 26.11.2021.
6. Participated in the National webinar on “Addressing NCDs through Front of Package Labelling” organized by AIIMS, Mangalagiri and Rishikesh held on 24.11.2021.
7. Participated in the Pushpagiri Webinar series on “Resolution Paradox-Solving the conventional concepts of Reliability and validity” on 5.11.2021, 12.11.2021, 19.11.2021 and 27.11.2021.
8. Participated in State level online CME on “Content Development for Digital Medical Education” conducted by Department of Anatomy, Sri Devaraj Urs Medical College, Kolar on 13.11.2021.
9. **Dr. D S Sujith Kumar**, Associate Professor has participated in the CME on “Stone disease of Hepatobiliary system” organized by Departments of Anatomy, Surgical GE and General Surgery, SVIMS on 03.11.2021.
10. **Dr. D S Sujith Kumar**, Associate Professor has participated in the CME on “Rabies in India” organized by department of Clinical Virology, SVIMS university on 28.09.2021.
11. **Dr. D S Sujith Kumar**, Associate Professor has participated in the webinar on “Outcomes based Teaching, Assessment and Evaluation” organized by InPods held on 18.09.2021.
12. **Dr. D S Sujith Kumar**, Associate Professor has participated in CME on Decoding the Menace of Predatory/Cloned Journals” organized by Department of Community Medicine, Himalayan Institute of Medical Sciences, SRHU, Dehradun under aegis of IAPSM held on 04.09.2021.
13. **Dr. D S Sujith Kumar**, Associate Professor has participated in the National webinar on “COVID 19 Vaccine: Global Perspectives” organized by Department of Pharmacology, SDUMC, Kolar, Karnataka held on 07.08.2021.
14. **Dr. D S Sujith Kumar**, Associate Professor has participated in the virtual CME on “Recent trends in the Management of Drug Resistant Tuberculosis (DR-TB) Organised by Department of Community Medicine, at Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 28th July 2021.
15. **Dr. D S Sujith Kumar**, Associate Professor has participated in the seminar on “Rheumatology” organized by S.V.Medical College Alumni Association(SVMCAA) on 25.07.2021.
16. **Dr. D S Sujith Kumar**, Associate Professor has participated in the Webinar on Learning Soft Skills for Successful Practice by Dr.K.R. Sethuraman organized by University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research on 10th July 2021 at SDUAHER, Kolar.
17. **Dr. D S Sujith Kumar**, Associate Professor has participated in the online National webinar on “Problem Based Learning-Innovative Educational Strategy” organized by MGM Institute of Health Sciences held on 08.07.2021.
18. **Dr. D S Sujith Kumar**, Associate Professor has participated in the 6th inter state seminar on “Oncology” organized by S.V.Medical College Alumni Association(SVMCAA) on 27.06.2021.
19. **Dr. D S Sujith Kumar**, Associate Professor has participated in the CME on “Teaching and Learning” organized by Department of Continuing Medical Education, CMC, Vellore on 12.06.2021.
20. **Dr. D S Sujith Kumar**, Associate Professor has participated in the 5th inter state seminar on “Endocrinology” organized by S.V.Medical College Alumni Association(SVMCAA) on 30.05.2021.
21. **Dr. D S Sujith Kumar**, Associate Professor has participated in the National Webinar “Distress to De-stress” held online on 8th May 2021, and conducted by the Departments of Anatomy and Psychiatry of All India Institute of Medical Sciences, Kalyani.
22. **Dr. D S Sujith Kumar**, Associate Professor has participated in the seminar on “Gastroenterology” organized by S.V.Medical College Alumni Association(SVMCAA) on 25.04.2021.

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23. **Dr. D S Sujith Kumar**, Associate Professor has participated in the Pre-conference workshop on Portfolio Management, Electives, Reflections and Feedback held as part of Virtual International Conference for Health Professions Education (VICHPE - 2021) organized by Department of Medical Education, Era University, Lucknow and Al Sadiq International Virtual University (SIVU), USA on 6 – 8 April 2021.
 24. **Dr. D S Sujith Kumar**, Associate Professor has participated as Delegate in the Pre-conference Workshop - Standard Setting of “i-MECON: International Medical Education Conference” conducted by the University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar on 24th March 2021
 25. **Dr. D S Sujith Kumar**, Associate Professor has participated as Delegate in the Pre-conference Workshop – Self Directed Learning of “i-MECON: International Medical Education Conference” conducted by the University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar on 24th March 2021
 26. **Dr. D S Sujith Kumar**, Associate Professor has participated in the seminar on “Nephrology and Urology” organized by S.V. Medical College Alumni Association (SVMCAA) on 21.03.2021.
 27. **Dr. D S Sujith Kumar**, Associate Professor has participated in the CME on “ABC of Hepatitis B and C” organized by Department of Continuing Medical Education, CMC, Vellore on 13.03.2021.
 28. **Dr. D S Sujith Kumar**, Associate Professor has participated in the seminar on “Neuroscience” organized by S.V. Medical College Alumni Association (SVMCAA) on 21.02.2021.
 29. **Dr. D S Sujith Kumar**, Associate Professor has participated in the National Education Conclave on “Re-Imagining University Education with a Heart-Centre Approach” Organized by Heartfulness Education Trust held from 12-13th January 2021.
 30. **Dr. D S Sujith Kumar**, Associate Professor has participated in the Webinar on Effective Clinical Teaching in New Normal by Dr Krishna G Seshadri organized by University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research at SDUAHER, Kolar on 22nd January 2021.
 31. **Dr. D S Sujith Kumar**, Associate Professor has participated successfully in the virtual workshop titled as Mental Health & its Promotion in Youth organised by CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (An Autonomous Society under Ministry of Electronics & IT, MeitY, Govt. of India) Held on 16th January, 2021.
 32. **Dr. D S Sujith Kumar**, Associate Professor has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
 33. **Dr. D S Sujith Kumar**, Associate Professor has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.
- Dr. Ravi Sankar Deekala**
1. **Dr. Ravi Sankar Deekala** attended a Seminar on Neuroscience on 21-02-2021 organized by S.V. Medical College Alumni Association (SVMCAA), Tirupati, Andhra Pradesh.
 2. **Dr. Ravi Sankar Deekala** attended a Seminar on Nephrology & Urology on 21-03-2021 organized by S.V. Medical College Alumni Association (SVMCAA), Tirupati, Andhra Pradesh.
 3. **Dr. Ravi Sankar Deekala** attended SVMCAA Golden JUBILEE & S.V. Medical College Diamond Jubilee, Tirupati 4th Inter State Seminar on Gastroenterology on 25-04-2021 organized by S.V. Medical College Alumni Association (SVMCAA), Tirupati.
 4. **Dr. Ravi Sankar Deekala** acted as Resource faculty for the Revised Basic Course Work Shop (RBCW) conducted by Medical Education Unit (MEU)

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, delivered presentation on How to frame a Short Answer Question, during 29th, 30th September and 1st October 2021.

5. **Dr Ravi Sankar Deekala** has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
6. **Dr Ravi Sankar Deekala** has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.

Dr. V Chandrasekhar

1. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as a delegate in the Webinar on “Implementation of National Education Policy 2020” organised by Faculty of Allied Health and Basic Sciences (FAH&BS) in association with Internal Quality Assurance Cell (IQAC), Sri Devaraj URS Academy of Higher Education and Research on 27-10-2021.
2. **Dr.Chandrasekhar Valleppalli**, Assistant Professor participated in CME on “Avenues in Community Medicine during Public Health Emergency” organized by Department of Community Medicine, Netaji Subhash Chandra Bose Medical College, Jabalpur (M.P.), India held on 27th and 28th August, 2021
3. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the CME on “ Imaging in Parkinsonian syndrome” organized by Departments of Nuclear medicine and Radiology, SVIMS on 02.12.2021.
4. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the CME on “ Stone disease of Hepatobiliary system” organized by Departments of Anatomy, Surgical GE and General Surgery, SVIMS on 03.11.2021.

5. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the CME on “Rabies in India” organized by department of Clinical Virology, SVIMS university on 28.09.2021.
6. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has attended the Virtual CME on “Recent Trends in The Management of Drug Resistant Tuberculosis (DR-TB)” Organised by Department of Community Medicine, at Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 28th July 2021.
7. **Dr.Chandrasekhar Valleppalli**, Assistant Professor attended the workshop on Artificial Intelligence in Healthcare conducted by the department of Chemical Engineering, Department of Electrical Engineering, IIT Jammu and Centre for Continuing Education, IIT Kanpur from 11-14 March, 2021.
8. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the Webinar on 15th National Statistics Day, 2021 organized by Department of Statistics, University School of Open Learning, Panjab University, Chandigarh on 29th June, 2021.
9. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the 3rd Pharmathon Conclave 2021 organised by PHARMATHON & RHM on 12th December 2021
10. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as a Delegate in the Online Pre Conference Workshop on Artificial Intelligence for Doctors organized by Computer and Medical Informatics Chapter of the IAP in North Zone PEDICON 2021 Conference on 19th September 2021.
11. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the Capacity Building in Modern Technology in Teaching Learning: Nurturing Young Faculty lecture series on “Effective Implementation of Self-Directed Learning (SDL) in Undergraduate Medical Education” conducted by SRM Medical College Hospital & Research Centre. Digital Webinar held on 18th December 2021.
12. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has actively participated in a webinar cum Guest Lecture titled ‘Appropriate Technology – A Real

time experience by Community Physician, Many Ideas for Low cost Technology' organised by Department of Community Medicine, SBKSMI & RC, Sumandeep Vidyapeeth deemed to be university on 25th February 2021.

13. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as delegate in a webinar "Hands - on Training on Indian Patent Filing & Document Handling" as a part of celebration of World Pharmacists Day by ICMR- National Institute of Traditional Medicine, Belagavi on 25th September, 2021.
14. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as a Delegate in the online Workshop on Awesome Adolescents and Young Adults Workshop organised by IAP at Goa held on 22nd & 23rd April 2021
15. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as a Delegate in the 'National Workshop on Developing MCQ test items for the Competence Based Curriculum' organised by Medical Education Unit, Government Medical College, Bhavnagar & MEU, India on 3rd & 4th September 2021.
16. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the CME on "Decoding the Menace of Predatory/Cloned Journals" held on 04th September 2021, organized by the Department of Community Medicine, Himalayan Institute of Medical Sciences, SRHU, Dehradun, Uttarakhand under the aegis of IAPSM.
17. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated as a Delegate in the National Webinar "Addressing NCDs through Front of Package Labelling" organized by AIIMS, Mangalagiri & AIIMS, Rishikesh on Novemebr 24th, 2021
18. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the "Reviewer Interaction and Training 2021" on How to recognise your Review on Publons & Basics of Review organised by IP Innovative Publication Pvt. Ltd.on 2nd January 2021.
19. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has attended CME on "Toxicology and Radiology: An update in Current Medical Education" organized by Kasturba Medical College, Mangaluru held on September 15th,2021
20. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on "Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention" held jointly by Institute of Liver and Biliary Sciences, New Delhi and AIIMS, Bhubaneswar on 30th June 2021.
21. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on "Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention" held jointly by Institute of Liver and Biliary Sciences, New Delhi and Indira Gandhi Medical College & Hospital, Shimla on 15th June 2021.
22. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on "Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention" held jointly by Institute of Liver and Biliary Sciences, New Delhi and All India Institute of Medical Sciences, AIIMS Bhatinda, Punjab on 18th May 2021.
23. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on "Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention" held jointly by Institute of Liver and Biliary Sciences, New Delhi and AIIMS, Rishikesh on 20th July 2021.
24. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on "Non-Alcoholic Fatty Liver Disease (NAFLD): An emerging epidemic of non-communicable disease in India" held jointly by Institute of Liver and Biliary Sciences, New Delhi and All India Institute of Medical Sciences, AIIMS Mangalagiri, Andhra Pradesh on 11th May 2021.
25. **Dr.Chandrasekhar Valleppalli**, Assistant Professor has participated in the National Webinar on "Complacency with COVID-19 Pandemic in India",

organized by NIPHTR, Mumbai under MOH & FW, GOI on 26th February 2021.

26. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has received certificate for his active and valuable participation in the virtual webinar on “Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention” held jointly by Institute of Liver and Biliary Sciences, New Delhi and AIIMS, Nagpur on 13th July 2021.
27. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the NITRD-CTD-NTF Difficult to Treat TB Clinic held on 18th Aug’21 on the topic “TB in COVID-19 time” conducted by National Institute of Tuberculosis and Respiratory Disease.
28. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Workshop on Introduction to Systematic reviews and Meta-analysis in Health research at ICMR-National Institute of Medical Statistics organized by ICMR & NIMS, New Delhi on 17th - 18th March 2021.
29. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has attended the National E-Symposium on ‘Inculcation of Research and Innovation Spirit in Postgraduate Medical Students and Faculty’ held on 20th and 21st March 2021, under the aegis of National Academy of Medical Sciences (NAMS), Organized by Center for advanced research on platelet signaling and thrombus biology (ICMR), Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi, UP, India.
30. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has received certificate for participating and contributing in Live Case Discussions on Basic Life Support – Live Demonstration in the month of November 2021 on India’s largest live Digital CME Platform of Clirnet.
31. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME of CHETCOMCON 2021 conducted by Chettinad Hospital & Research Institute, Kanchipuram Rajiv Gandhi Salai, OMR, Kelambakkam, Chengalpattu, Tamil Nadu on 2nd June 2021
32. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as delegate in online CME “Integrative Medicine and Public Health –Today’s action for a Healthier Tomorrow” Organized by the Department of Community Medicine, ESIC Medical College and Hospital on 29.09.2021.
33. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Online Interactive CME: “Statistics in Health Research” on the occasion of National Statistics Day on 29 June 2021, organized by SPH AIIMS Jodhpur.
34. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the National Workshop on “Psychological Well-Being of Women During Disaster Era” organized by Internal Quality Assurance Cell, Mata Sundri College for Women in Collaboration with Golden Signatures Research & Consulting (GSRC) on June 24, 2021.
35. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the ‘National Workshop on Research Trends in Women Studies’, organized by Internal Quality Assurance Cell and Women Development Cell, Mata Sundri College for Women in Collaboration with Women’s Studies and Research Centre Rani Durgavati Vishwavidyalaya, Jabalpur , Madhya Pradesh held from 21st to 22nd June, 2021.
36. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the session on the topic ‘HIV- Another Virus to talk about organized by Teens of God NGO in collaboration with NSS, Fairfield Institute of Management & Technology, GGSIPU on April 25, 2021.
37. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in the National Webinar on “Covid 19 Vaccine: Global Perspectives” held on 7th August 2021 organized by Department of Pharmacology, SDUMC, Kolar, Karnataka.
38. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Webinar on Role of Youth in Prevention & Control of Non-Communicable Diseases in India ‘Reach them young for a healthier tomorrow’ held on 15th September 2021 organised by GRID Council & B.H.U Institute of Medical Sciences.

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39. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in National Virtual CME on Nutrition, “Feeding Smart, Right From Start”; organized by Dept. of Community Medicine, MGM Medical College & Hospital, Aurangabad & IAPSM; held on 7th September 2021.
40. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Webinar On Physiology In Higher Education And Public Awareness Jointly Organized By Department Of Physiology, And Internal Quality Assurance Cell (IQAC) Under Mahadevananda Mahavidyalaya, West Bengal, India In Collaboration With Division Of Education, Knowledge, And Awareness Under Rama Ghosh And Sunil Chandra Ghosh Memorial Trust, West Bengal, India, Held On 18th July, 2021.
41. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Webinar In Observance Of International Day Of Yoga, 2021 Jointly Organized By Department Of Philosophy, Department Of Physiology, Department Of Physical Education, Internal Quality Assurance Cell (IQAC), and National Service Scheme (NSS) Unit I & II Under Mahadevananda Mahavidyalaya, West Bengal, India In Collaboration With Division Of Education, Knowledge, And Awareness Under Rama Ghosh And Sunil Chandra Ghosh Memorial Trust, West Bengal, India, Held On 21st June, 2021.
42. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as delegate in the webinar on ‘COVID-19 & Society’ organized by Department of Community Medicine, SDUMC, Kolar on 17th September 2021.
43. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as a delegate in the National Virtual CME on ‘Prevention and Care of Breast Cancer’ organized by Department of Preventive Oncology and Department of Nursing, MPMMCC & HBCH held at Mahamana Pandit Madan Mohan Malaviya Cancer Centre, Varanasi on 20th October, 2021.
44. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Online National Workshop on “Epidemiology and Disease Modelling” from April 8 to 10, 2021 organized by the IIPH, Gandhinagar with support from the Gujarat State Biotechnology Mission, Department of Science and Technology, Government of Gujarat.
45. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as a Delegate in the CME on National Nutrition Week 2021 organized by Department of Community Medicine & Paediatrics, School of Medical Sciences & Research, Sharda University, Greater Noida in collaboration with Indian Association of Preventive and Social Medicine, UP UK Chapter held on 1st September 2021.
46. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the webinar on “Research Methodology” held online on 9th July, 2021 organised by the Department of Community Medicine.
47. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the National Webinar on the topic “Biomedical Waste Management” held on 8th September, 2021 organized by the IMA-JDN and CAHO
48. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as a Delegate in the National CME on “COVID-19 Vaccination & Surveillance of Potential AEFI” held on 3rd April, 2021 organized by Department of Community Medicine, Deccan College of Medical Sciences, Hyderabad.
49. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in the IAPSM National CME on NTEP “Towards TB Free India” held virtually on 25th March 2021.
50. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the National Level Public Awareness Webinar in Observance of International Women’s Day Puberty, Period, & Me organized by Rama Ghosh and Sunil Chandra Ghosh memorial trust, Kolkata held on 08th March, 2021
51. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as a delegate in the Virtual National CME on “Assault on Health Care Workers: Ways to Overcome” organized by Department of Forensic Medicine & Toxicology, AIIMS, Bibinagar, Telangana on 1st July, 2021

52. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the webinar organized by SHARP NGO on “Psychological Health & Wellbeing” Talk series held on 26th June, 2021
53. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the webinar organized by SHARP NGO on “Psychological Health & Wellbeing” Talk series held on 17th July, 2021
54. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the webinar on “TB free Workplaces” organised under National Tuberculosis Elimination Programme (NTEP) by State Task Force, Uttarakhand on 12th June, 2021.
55. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in the “2nd seminar on “Neuroscience” organized by SVMCAA & IMA, Tirupati on 21.02.2021 at Tirupati, Andhra Pradesh.
56. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the “3rd seminar on “Nephrology and Urology” organized by SVMCAA & IMA, Tirupati on 21.03.2021 at Tirupati, Andhra Pradesh.
57. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in “4th Inter State Seminar on Gastroenterology” organised by SVMCAA at Tirupati, Andhra Pradesh on 25th April, 2021.
58. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in “5th Inter State Seminar on Endocrinology” organised by SVMCAA on 30th May 2021 at Tirupati, Andhra Pradesh.
59. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in “6th Regional Inter State Seminar on Oncology” organised by SVMCAA on 27th June 2021 at Tirupati, Andhra Pradesh.
60. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated as Delegate in “7th Regional Inter State Seminar on Rheumatology” organised by SVMCAA on 25th July 2021 at Tirupati, Andhra Pradesh.
61. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the webinar on “Impact of Air pollution on Health & Life” organized by ASSOCHAM on 24th November 2021.
62. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Resurgence of COVID 19: Mutation and other Factors” organized by ASSOCHAM on 31st May 2021.
63. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Sleep disorder:Sleep Healthy-Live Healthy” organized by ASSOCHAM on 25th March 2021.
64. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Depression Management and Treatment” organized by ASSOCHAM on 3rd February 2021.
65. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Myths and Facts of Corona Virus Vaccination” organized by ASSOCHAM on 27th January 2021.
66. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Obesity Management by Lifestyle Modifications” organized by ASSOCHAM on 20th January 2021.
67. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the CME on “Wellness of Brain & Nervous System” organized by ASSOCHAM on 14th January 2021.
68. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
69. **Dr.Chandrasekhar Vallepalli**, Assistant Professor has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” from 01.09.2021 to 03.09.2021.

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Dr. G.Visweswara Rao

1. **Dr.G.VisweswaraRao** , Assistant Professor has participated in the two day National webinar on “Attainment of Quality Medical Education:Responsibilities of a Health Institution.” Organized by IQAC, KGMU in Collaboration with ECHO India on 3rd-1st December 2021.
2. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “ Imaging in Parkinsonian syndrome” organized by Departments of Nuclear medicine and Radiology, SVIMS on 02.12.2021.
3. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “ Worls Antimicrobial awareness week(WAAW) organized by RAK Medical and Health Sciences University, UAE held on 28.11.2021.
4. **Dr.G.VisweswaraRao** , Assistant Professor has attended the “Online workshop on Basic Epidemiology, Statistics, SPSS and Critical Appraisal” conducted by the department of Community Medicine ,SRIHER from 24.11.2021 to 26.11.2021.
5. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the webinar on “Impact of Air pollution on Health & Life” organized by ASSOCHAM on 24.11.2021.
6. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the National webinar on “Addressing NCDs through Front of Package Labelling” organized by AIIMS, Mangalagiri and Rishikesh held on 24.11.2021.
7. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Pushpagiri Webinar series on “Resolution Paradox-Solving the conventional concepts of Reliability and validity” on 5.11.2021, 12.11.2021, 19.11.2021 and 27.11.2021.
8. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the national webinar on “PG in Community Medicine Why and Where” organized by the Indian Medical Association-Junior doctors Network on 23.11.2021.
9. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the webinar on “ Mortality in India Established through Verbal Autopsies” organized by MINERVA held on 14.11.2021.
10. **Dr.G.VisweswaraRao**, Assistant Professor has participated in State level online CME on “Content Development for Digital Medical Education” conducted by Department of Anatomy, Sri DevarajUrs Medical College, Kolar on 13.11.2021
11. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “ Stone disease of Hepatobiliary system” organized by Departments of Anatomy, Surgical GE and General Surgery, SVIMS on 03.11.2021.
12. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the pre-conference workshop “End Line Compliance Assessment for Cigarettes and other Tobacco Products Act(COTPA)” conducted by Department of Community and Family Medicine, AIIMS, Jodhpur during 2nd Annual National conference of Epidemiology Foundation of India on 26.10.2021.
13. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “ Common Respiratory Infections in Children” ” organized by Department of Continuing Medical Education, CMC, Vellore on 23.10.2021.
14. **Dr.G.VisweswaraRao** , Assistant Professor has attended the two day online meet on Reimagining Border in Cross-border Education(India-EU Higher education Meet) organized by MAHE,Manipal from 7-8th October 2021.
15. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the webinar on “ FDP on Advance Concepts of Outcomes-Based Education” organized by inPods held on 06.10.2021.
16. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the online CME on “Integrative Medicine and Public Health-Today’s action for a Healthier Tomorrow” organized by Department of Community Medicine, ESIC Medical College and Hospital on 29.09.2021.
17. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Rabies in India” organized by department of Clinical Virology, SVIMS university on 28.09.2021.

18. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the webinar on “Outcomes based Teaching, Assessment and Evaluation” organized by inPods held on 18.09.2021.
19. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on Toxicology and Radiology : A update in Current Medical Education” organized by the department of Forensic Medicine, Kasturba medical College, Manipal held on 15.09.2021.
20. **Dr.G.VisweswaraRao**, Assistant Professor has participated in National virtual CME on Nutrition “Feeding Smart, Right from Start” organized by Department of Community Medicine, MGM Medical Colleg& Hospital, Aurangabad& IAPSAM ; held on 07.09.2021.
21. **Dr.G.VisweswaraRao**, Assistant Professor has participated in CME on Decoding the Menace of Predatory/Cloned Journals” organized by Department of Community Medicine, Himalayan Institute of Medical Sciences, SRHU, Dehradun under aegis of IAPSM held on 04.09.2021.
22. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on National Nutrition Week 2021 organized by Department of Community Medicine & Paediatrics, School of Medical Sciences & Research, Sharda University, Greater Noida in Collaboration with IAPSAM, Up UK chapter held on 01.09.2021.
23. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the National webinar on “COVID 19 Vaccine: Global Perspectives” organized by Department of Pharmacology, SDUMC, Kolar, Karnataka held on 07.08.2021.
24. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the National CME on “Hepatitis B- Mitigation and Working Towards Elimination” organized by Department of Medicine and Microbiology , AIIMS, Bibinagar, Hyderabad held on 28.07.2021.
25. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the virtual CME on “ Recent trends in the Management of Drug Resistant Tuberculosis (DR-TB)Organised by Department of Community Medicine, at Apollo Institute of Medical Sciences & Research, Chittoor, Andhra Pradesh on 28th July 2021.
26. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Virtual CME on “I am and I will- Awareness Key” organized by the department of Otorhinolaryngology, AVMC&H, Pondicherry on 27.07.2021.
27. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the virtual webinar on **“Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention”held jointly by Institute of Liver and Biliary Sciences, New Delhi and AIIMS, Rishikesh on 20.07.2021.**
28. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the virtual webinar on “Non-Alcoholic Fatty Liver Disease (NAFLD): Population level strategies for prevention”held jointly by Institute of Liver and Biliary Sciences, New Delhi and AIIMS, Nagpur on 13th July 2021.
29. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Webinar on Learning SoftSkills for Successful Practice by Dr.K.R.Sethuraman organized by UniversityCentre for Health Professions Education, Sri Devarajurs Academy of Higher Education and Research on 10th July 2021 at SDUAHER, Kolar.
30. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the online National webinar on “Problem Baed learning-Innovative Educational Strategyorganized by MGM Institute of Health Sciences held on 08.07.2021.
31. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the 6thinter state seminar on “Oncology” organized by S.V.Medical College Alumni Association(SVMCAA) on 27.06.2021.
32. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME-Interpreting Fetal Tests conducted by PerkinElmer and Mediscan on 20.06.2021.
33. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Teaching and Learning” organized by Department of Continuing Medical Education, CMC, Vellore on 12.06.2021.

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34. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the “e learning module COVID-19 reinfections after Vaccination: Management & Treatment” organized by Tech Care for All India Pvt. Ltd. Medical Learning Hub on 09.06.2021.
35. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the guest lecture on World no Tobacco day 2021 organized by department of Community Medicine, Yenopoya Medical College on 31.05.2021.
36. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Resurgence of COVID 19: Mutation and other Factors” organized by Assocham on 31.05.2021.
37. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the 5th inter state seminar on “Endocrinology” organized by S.V.Medical College Alumni Association(SVMCAA) on 30.05.2021.
38. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the live webinar on the eve of World Ni Tobacco day organized by Hematology Oncology Updates, MGIMS on 30.05.2021.
39. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Osteoporosis: A synopsis for the GP” organized by Department of Continuing Medical Education, CMC, Vellore on 29.05.2021.
40. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the **National Webinar “Distress to De-stress”** held online on 8th May 2021, and conducted by the Departments of Anatomy and Psychiatry of All India Institute of Medical Sciences, Kalyani.
41. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the seminar on “ Gastroenterology” organized by S.V.Medical College Alumni Association(SVMCAA) on 25.04.2021.
42. **Dr.G.VisweswaraRao**, Assistant Professor has participated in e-CME on “Updates on COVID-19” organized by Department of Community Medicine, Vinayaka Missions Kirupananda Variyar Medical College and Hospitals, Salem on 22.04.2021.
43. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Webinar on “Oral Anti diabetic Agents: A case based Approach for the clinician” organized by Department of Continuing Medical Education, CMC, Vellore on 17.04.2021.
44. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Pre-conference workshop on **Self Directed Learning, Inter Professional Collaborative Practice, Systematic Review** .held as part of Virtual International Conference for Health Professions Education (VICHPE - 2021) organized by Department of Medical Education, Era University, Lucknow and Al Sadiq International Virtual University(SIVU), USA on 6 - 8 April 2021.
45. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Are We in the Era of Genomic Medicine” organized by Department of Continuing Medical Education, CMC, Vellore on 27.03.2021.
46. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the IAPSM National CME on “**Towards TB Free India**” held virtually on **25th March 2021**.
47. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the IAPSM National CME on “Towards TB Free India” organized by IAPSM NTEP Committee held on 25.03.2021.
48. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Sleep disorder: Sleep Healthy-Live Healthy” organized by Assocham on 25.03.2021.
49. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the seminar on “Nephrology and Urology” organized by S.V.Medical College Alumni Association(SVMCAA) on 21.03.2021.
50. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “ABC of Hepatitis B and C” organized by Department of Continuing Medical Education, CMC, Vellore on 13.03.2021.
51. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Consent for Surgery: Ethical and Legal Aspects” organized by Department of Continuing Medical Education, CMC, Vellore on 27.02.2021.

52. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Thyroid & Related Disorders-Impact on Health” organized by Assocham on 24.02.2021.
 53. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the seminar on “Neuroscience” organized by S.V.Medical College Alumni Association (SVMCAA) on 21.02.2021.
 54. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the National Education Conclave on “Re-Imagining University Education with a Heart-Centre Approach” Organized by Heartfulness Education Trust held from 12-13th January 2021.
 55. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the webinar on **MISSION FIT INDIA** being organized on **12nd February, 2021** by the Department of Physiology & MGM School of Physiotherapy, Navi Mumbai.
 56. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Digital Dialog Webinar on “Medication Error Significance & Patient Safety In ICU Settings; Awareness, Challenges & Advanced Solutions” on 10 February, 2021 organized by AESCULAP Academy.
 57. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Depression Management and Treatment” organized by Assocham on 03.02.2021.
 58. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Myths and Facts of Corona Virus Vaccination” organized by Assocham on 27.01.2021.
 59. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Webinar on Effective Clinical Teaching in New Normal by Dr Krishna G Seshadri organized by University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research on 22nd January 2021 at SDUAHER, Kolar.
 60. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Obesity Management by Lifestyle Modifications” organized by Assocham on 20.01.2021.
 61. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the CME on “Wellness of Brain & Nervous System” organized by Assocham on 14.01.2021.
 62. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
 63. **Dr.G.VisweswaraRao**, Assistant Professor has participated in the Online Training Workshop regarding ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.
- Dr. T.V.D.Prathyusha**
1. **Dr.TVD Prathysha**, Assistant Professor has participated in the CME on “Imaging in Parkinsonian syndrome” organized by Departments of Nuclear medicine and Radiology, SVIMS on 02.12.2021.
 2. **Dr.TVD Prathysha**, Assistant Professor has participated in the CME on “Stone disease of Hepatobiliary system” organized by Departments of Anatomy, Surgical GE and General Surgery, SVIMS on 03.11.2021.
 3. **Dr.TVD Prathysha**, Assistant Professor has participated in the CME on “Rabies in India” organized by department of Clinical Virology, SVIMS university on 28.09.2021
 4. **Dr.TVD Prathysha**, Assistant Professor has participated in the CME on “Teaching and Learning” organized by Department of Continuing Medical Education, CMC, Vellore on 12.06.2021.
 5. **Dr.Prathyusha TVD**, Assistant Professor has participated in epidemiology workshop from 24 to 26th November 2021 organized by Sri Ramachandra Institute of Higher Education

6. **Dr.Prathyusha TVD**, Assistant Professor has participated in workshop on Dietary Assessment conducted by MRHRU, Chandragiri, ICMR, Dept of Health Research in Community Medicine Department, SPMCW, SVIMS, Tirupati on 20.09.2021.
7. **Dr.Prathyusha TVD**, Assistant Professor has participated Online Training on ICMR project of SVIMS, Tirupati entitled “Improving the Health Care Access for Achieving Universal Health Coverage (UHC) among Scheduled Tribes: An Implementation Research in Chittoor District, Andhra Pradesh” on 01.09.2021 to 03.09.2021.

9.8. Other academic activities of significance

1. **Department of Community Medicine** is involved in COVID-19 Vaccination activities through SVIMS COVID-19 Vaccination Centre at CfAR building, SVIMS. A total of 22,339 doses of COVID-19 vaccine (Covishield and Covaxin) was given to Health Care Workers, Front Line Workers, Citizens 18 years and above in 2021.

9.9. Other academic activities

1. **Dr. K Nagaraj**, Professor & HOD has served as Member Secretary of Disciplinary and Grievance committee of SVIMS.
2. **Dr. K Nagaraj**, Professor & HOD has served as a member of thesis evaluation Committee of Broad specialities post graduates of SVIMS.

10.0 DEPARTMENT OF DENTAL SURGERY

Professor & HoD

Dr D.S. Madhu Babu

Associate Professor

Dr P. Vani Priya

Assistant Professor

Dr C. Narendra Reddy

Junior Resident

M. Ram Prasad

1.1 Research work

1. **D.S.Madhu Babu.** Knowledge, attitude, practice of oral hygiene amongst epilepsy patients in and around rayalaseema district population in India.

10.2 CMEs

1. “Aerosols in Dentistry” presented by **Dr. D.S. Madhu Babu** on 06.02.2021 conducted jointly by Department of Dental Surgery, ENT, Ophthalmology in Sri Padmavathi Auditorium, SVIMS.

10.6 Seminars

1. “Rationale of teeth brushing” by **Dr. D.S. Madhu Babu** on 01/04/2021

2. “Evaluation of single – piece immediate load Bicortical Screw (BCS) implants in bone deficient anterior region of upper and lower jaws – a prospective clinical study” by **Dr.C.Narendra Reddy** on 06/11/2021

3. “Impacted teeth” by **Dr. C. Narendra Reddy** on 23/12/2021

10.7 CDE/CME/workshop attended

1. **Dr D.S.Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad** were attended CDE on “International Dental Expert Congress”, organized by Indian Dental Association, Chittoor Branch on 28/11/2021.

11.0 DEPARTMENT OF DERMATOLOGY

Professor & HoD

Dr A.Surekha

Faculty

Dr R.Bhanu Prakash

11.1 Research Work

1. Sangamithra KR, Yamini Krishna K, Jyothsna N, Srikanth S. Pattern of skin diseases and quality of life of patients in tertiary care hospital.

11.2 Conference attended, Lectures delivered

Dr Surekha. A, attended

1. 40th RURY IADVL conference on 27th, 28th November 2021.
2. Live streaming of e- dermacon 2021 conference, 49th National Conference of IADVL on 5th to 7th February 2021.

11.3 Publications

1. MI, MG, TK, PR SR, AS, REKHA OD, SHARAN TR, BALAJI A. clinical profile, prescription patterns, and adverse drug reactions in patients with Vitiligo: a prospective study. Asian J Pharm Clin Res 2021;14(4):51-5.
2. Surekha A., Thatiparti Ram Sharan, T. Keerthi, V. Snehasela A clinico-epidemiological study of Acne vulgaris in tertiary care hospital, SVIMS Tirupati wjpr 2021;10(4):1163-1173.
3. Harikrishna J, Pradeep V, Reddy VD, Kumar MK, Surekha A, Devi PS, et al. Stevens-Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral phenytoin. J ClinSci Res 2021;10:115-7.
4. Surekha A, Sajja P, Sridevi K, Kumar GR, Sharan TR. Evaluation of chronic idiopathic urticaria patients with autologous serum skin test. J ClinSci Res 2020;9:218-23

Books Chapters

Dr Surekha. A

1. Chapter 13. Cutaneous manifestations of systemic manifestations – Post graduate medicine, Editor – in – Chief Gurpreet S wander.

11.4 CMEs/Seminars/ Workshops attended

Dr Surekha A, Associate Professor attended,

1. CME on Imaging in Parkinsonian syndrome on 4th December 2021, conducted in SVIMS.
2. CME on HIV/AIDS – PAST, PRESENT AND FUTURE ON EVE OF WORLD AIDS DAY on 1st December 2021 organised by IADVL Telangana.
3. Revised basic course workshop organised by – medical education unit, SVIMS – SPMC(W) on 29th, 30th September and 1st October 2021.
4. Surekha attended live streaming of 2 – dermacon workshop, 49th National conference of IADVL on 31st January 2021.

Dr R. Bhanu Prakash, attended

Posters Presented:

1. Lamotrigine Induced DRESS synd – e APAPICON 2021.
2. Rickets in congenital Bullous Ichthyiform Erythroderma – National Endocrinology conference 2021.
3. e - conference or e-webinars/seminars.

4. e – dermacon 2021 on 06/02/2021 and 07.02.2021
5. Webinar on “Eczema and Hydration in Atopic dermatitis” on 09.05.2021
6. Webinar on ‘cutaneous markers of paediatric obesity and metabolic syndrome’ on 27.06.2021
7. e – dermatology workshop on ‘Teledermatology and electronic health records’ on 28.06.2021
8. Webinar on “Hypotrichosis – from the bench to the clinic” on 01.07.2021
9. Webinar on ‘Paediatric Dermatologic Emergencies’ on 11.07.2021
10. Webinar on ‘Artificial Intelligence in dermatology and use of social media’ on 20.07.2021.
11. Webinar on ‘ Practical pearls in the management of Bullous disorders in children and adults’ on 25.07.2021.
12. Webinar on ‘Skin as a marker of systemic diseases in paediatric age group’ on 22.08.2021.
13. Webinar on ‘management of recalcitrant dermatophytoses’ on 29.08.2021
14. IADVL Aesthetic CME in RF tightening on 02.10.2021.
15. Webinar on update on urticarial guidelines 2021, on 01.10.2021.
16. Webinar on JAK inhibitors in childhood and adult dermatology’ on 10.10.2021.
17. IADVL aesthetic CME on micro needling on 31.10.2021.
18. MID-DERMACON 2021 ON 28.10.2021 to 30.10.2021.
19. IADVL – e CUTICON 2021 on 27.11.2021 to 28.11.2021.
20. Aesthetic CME on Dermal fillers for face on 19.12.2021

11.5 Other academic activities:

Dr Surekha. A

1. CISP-2, Curriculum Implementation support program – II – 28th and 29th September 2020.
2. RBCW & AETCOM – Revised basic course workshop & AETCOM – 29th , 30th September & 1st October 2021.
3. Basic course in Biomedical Research – Completed March – June 2021.

12.0 DEPARTMENT OF EMERGENCY MEDICINE

Professor & HoD

Dr A. Krishna Simha Reddy

Faculty

Dr Rohith Gupta

Senior Residents

Dr G.K.Harish

Dr G. Pavan Kumar

Dr S. Sadasiva Raju

Junior Resident

Dr A. Naga Sowmya

Dr TS. E. Joy Blessy Lois

Dr J. Rani

Dr K Dinesh Kumar

12.1 Research Projects:

Theses submitted

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 Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Naga Sowmya A. To study the socio-demographic profile, clinical presentation and outcome in patients with acute poisoning presenting to emergency department (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. TS. E. Joy Blessy Lois. A study of clinical and radiological features of emphysematous pyelonephritis and molecular characterization of uropathogenic Escherichia coli causing emphysematous pyelonephritis in a tertiary care hospital, south India (MD Thesis).
2. Dinesh Kumar K. Clinical profile of Rhabdomyolysis leading to acute kidney injury in patients presenting to Emergency department (MD Thesis).

12.2. CME/ Conferences attended by the department:

Dr Rohith Gupta K, attended

1. Simulation in health care training by laerdal Participation certificate on 28th October 2021.
2. TRAUMA 2021 VIRTUAL participation certificate during 19th - 21st November 2021
3. Simulation based education - Participation certificate in getting started courses SimMan3G, Sim New B, teaching with LLEAP & SBE as resource person during 14th - 17th December 2021

Dr J. Rani, attended

1. 6th Annual State conference of Indian Medical Association – AP during 20th & 21st November 2021.
2. Obesity: The Burning Issue at Webinar
4. Participation certificate Internet Activity on Oxygen Therapy on 11th October 2021
5. Participation certificate of National Conference on Reproductive medicine & Surgery on 26th September 2021
6. Cardiovascular update for the primary care provider Participation certificate for during 28th - 29th October 2021

Dr A.Naga Sowmya, attended

1. Master class webinar series by IMA Hypertension standing committee 2021 during 1st - 31st May 2021.
2. Seminar on Neurosciences on 21st February 2021.

Dr K.Dinesh Kumar, Dr TS. E. Joy Blessy Lois attended Penetrating Chest Trauma by cockfighting knife – A Case report presented as E-Poster by at

TRAUMA 2021 virtual conference during 19th - 21st November 2021.

Dr Rohith Gupta K, Dr. J. Rani, Dr. A.Naga Sowmya attended EM Andhra 2021 toxicology conference – Poster and Paper presentation during 7th - 9th April 2021

11.0 DEPARTMENT OF ENDOCRINOLOGY

Professor & Head

Dr Alok Sachan

Faculty

Dr V. Suresh

Dr Avinash Patil

PG Senior Residents

Dr Buddharaju P Varma

Dr Sruthi B

Dr Anusha N D

Dr Likhitha butukuri

Dr Padhariya Krunal Pravinchandra

Dr M. Keerthana

13.1. Awards, achievements and felicitations

1. **Dr AvinsahPatil**, Assistant Professor was awarded **ESI A V Gandhi award for excellence in Endocrinology for “Best thesis topic Pituitary and Thyroid”** on 20th March 2021.

13.2. Research work

Thesis work

Theses submitted

1. Varma B.P. Prevalence of microvascular complications in patients with type 1 diabetes mellitus with special reference to autonomic neuropathy (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Anusha N D. A study on the effect of treatment on the Prevalence of and ultrasonological grading of Non-Alcoholic Fatty Liver disease in patients with hypothyroidism. Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. LikhithaButukuri. Patterns and predictors of acute complications among patients with type 1 diabetes mellitus (DM Thesis).
2. Shruti B. Thyroid specific autoantibodies and calcitonin levels in grave's disease with hyperthyroidism before and after treatment with carbimazole (DM Thesis).

3. Keerthana M. Glycemic variability among patients with type 1 diabetes mellitus (DM Thesis).
4. Padhariya Krunal Pravinchandra. Alterations in Hormonal Axes in Men with Severe Acute Illness and their Prognostic Significance (DM Thesis).

13.3 Conferences attended, lectures delivered

National

1. **Dr Alok Sachan**, attended
 - Delivered lecture on “diabetes bytes” episode 33, on ‘Why do doctors always stress on Self Monitoring of Blood Glucose’, a public awareness talk, on 25th February 2021 at conducted by the Research Society for the Study of Diabetes in India.
 - Chaired a session on “Pituitary medicine” on 17th March 2021 at Endotext Webinar VIII.
 - Delivered lecture on ‘management of Hypoparathyroidism’ on 30th May 2021 in the 5th Interstate Seminar, Seminar on Endocrinology, organized by SV Medical College Alumni Association.
 - Delivered lecture on ‘Endocrine and metabolic consequences’ on 26th June 2021 at the virtual meeting on ‘Post-COVID-19: Long-term consequences of COVID-19’ organized by DMHO, Chittoor.

- Delivered lecture on 'Assessment of beta cell function' on 11th July 2021 in the virtual scientific meeting of Metabolism and Molecular Research Society.
- Delivered lecture on 'lifestyle modifications in prediabetes', a public awareness talk, on 7th August 2021 on Facebook live, organized by the Endocrine Society of India.
- Delivered lecture on 'need for glucose control' on 12th December 2021 in the Mega Diabetes Awareness Camp, held at Siddharth Engineering College, Narayanavanam.

Dr Suresh V attended

- Delivered lecture on 'Management of Turner Syndrome: Basics to Innovative Therapies' in a webinar of Turner Syndrome : Beyond Current Practice held on 17th January 2021
- Chaired a session on 'Opportunity in an opportunistic infection' in a virtual conference of International Pituitary conclave conducted by Endocrine Society of India on 9th April 2021.
- Faculty for session on Onspot Diagnosis EnSPIRE Programme held on March 27th 2021.

Dr B P Varma, attended

- 50th annual conference of endocrine society of India. Guest lecture delivered on "Endocrine approach to male infertility" at ESICON 2021 held at Bengaluru on 10th December 2021.
- ISBMR 2021 and presented a poster on "Prolonged hungry bone syndrome in postoperative case of primary hyperparathyroidism" at Hyderabad on 30th October 2021.

13.4. Presentations by post graduate students

- Dr Likhitha Butukuri, presented a poster titled "Genu valgum a rare presentation of juvenile primary hyperparathyroidism" at ISBMR 2021, Hyderabad during 30th and 31st December 2021.

ESICON 2021, Bengaluru during 10th-12th December 2021

- Dr Likhitha Butukuri, presented a poster titled "Rickets in bullous ichthyosis erythroderma".
- Dr Shruthi B, presented a Poster titled "Unusual presentations of common disease".

13.5 Publications in index journals:

- Dasari Mani Deepthi, Suresh Vaikkakara, AvinashPatil, Sandeep Ganta, AlokSachan. Effect of Correction of Hyperthyroidism with Anti-thyroid Drugs on the Glycated Hemoglobin in Non-diabetic Patients with Primary Hyperthyroidism. Int J Endocrinol Metab 2021;19:e105751.

Book chapters

- V Suresh, Patil A (2021) Thyroid Disorders Sanjay Bhadada, GS Wander. Postgraduate Medicine Chapter 184, Jaypee publications.
- V Suresh, Patil A (2021) Insulin in Type 2 Diabetes Mellitus During Ramadan PK Jabbar, Ramesh Gomez, Darvin V D, MdAsim Siddiqui; Knowledge Bridge Pvt Ltd publishing house.

Papers under Review

- Patil A, V Suresh 'Body Composition, Insulin Resistance and Mediators of Energy Homeostasis in Hyperthyroidism'; Archives of Endocrinology.

13.6. CMEs/Seminars/Workshops/Orations conducted by the department

- An interdepartmental CME on "**Fundamental concepts in thyroidology revisited**" was jointly conducted by the Departments of Endocrinology, Pharmacology and Biochemistry at SVIMS, Tirupati on 6th March 2021.
- A CME on "**Role of Quality Controls in the Laboratory and New Assays presentation- Access 2**" was conducted by the department of Endocrinology at SVIMS, Tirupati on 1st December 2021.

13.7 Other academic activities

1. Conducted a quiz to commemorate the World Diabetes Day on the 12th and 13th of November, **World Diabetes Day quiz**.
2. Fourteenth of November, the birthday of Dr Frederick Banting is celebrated all over the world as the World Diabetes Day. In 1921 a team, including Dr Banting, Best, McLeod and Collip declared successful separation and use of insulin and 2021 was the centenary year of the discovery of insulin.
3. On eve of the World Diabetes Day, multiple events were organized by the Department of Endocrinology in Sri Venkateswara Institute of Medical Sciences, Tirupati. For awareness of the patients, some common facts, related to diabetes, were discussed in the format of a question and answer session. Points discussed with the patients were regarding treatment of diabetes, use of insulin, technique of use / injection of insulin, problem of low blood glucose (hypoglycemia) faced by some of the patients and some complications of diabetes.
4. Department of Endocrinology organized multiple separate quizzes to engage students, from the first year students of the MBBS to the postgraduate doctors. Dean, Dr. Alladi Mohan described his experience of dealing with the patients with diabetes mellitus and his involvement in the patient education.
5. Dr B Vengamma, Director and Vice Chancellor, SVIMS inaugurated the postgraduate quiz and emphasized the need for broad base learning among doctors belonging to all the specialities. She stressed upon the need for updating the basic medical knowledge.

14.0 DEPARTMENT OF FORENSIC MEDICINE

Professor & Head

Dr K. Bhaskar Reddy

Faculty

Dr B. Rupesh Kumar Naik

Dr K. Jyothi Prasad

14.1 Conferences attended, Lectures delivered:

1. Dr B. Rupesh Kumar Naik, Assistant Professor is participated 'APFORMEDCON-2019' and presented a paper titled 'Pattern of thoraco Abnormal Injuries Sustained in RTA An Autopsy based Observational Study' in the State Conference held on 9th and 10th November 2019 at Great Eastern Medical School & Hospital, Srikakulam, Andhra Pradesh, India.
3. 10th International e-Conference of Crime Scene Investigation during 29th – 30th September 2021.
4. NCHPE-2021, Amritsar- E-Conference during 26th – 30th October 2021.
5. National Conference on Innovations in Health Professions' Education during 17th -18th November 2021.

14.2 Publications

1. Naik RK. Pattern of Thoraco-abdominal Injuries Sustained in Road Traffic Accidents: An Autopsy Based Observational Study. J Punjab Acad Forensic Med Toxicol 2021;21(1) ISSN :0972-5687.
2. Naik RK, Shaha KK, Chaudhari VA. A Case Report of a Death Caused by Depression in Custody. Highlights on Medicine and Medical Science Vol. 11. 2021 Jul 17:69-73.
3. Naik RK, Patra AP. Clinical presentation and Renal dysfunction in Supervasol 33TM poisoning. J Ind Soc Toxicol 2021;17:1.
4. Kumar R, Priyanka J, Vinay Goud B. Chemotherapeutic agents and its role in periodontics. 1st ed, Mauritius; Lambert academic pub;2020.
6. 11th Annual Medical Educators Association Conference during 19th–20th November 2021.
7. 29th Annual Conference of Karnataka Medico legal society during 3rd – 4th December 2021.
8. Participated online short term programme on Disaster Management during 13th -16th December 2021.

14.5. 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.

14.3 CME/Seminars/Workshops/Orations held by the department:

CME organised along with the Department of Physiology on 30th January 2021.

14.4 CME/Seminars/Workshops attended

Dr B. Rupesh Kumar Naik, Assistant Professor has attended

1. 9th Conference (Virtual) "National Conference on Hematology" on 29th August 2021.
2. 9th Conference (Virtual) "National Conference on Reproductive Medicine & Surgery" on 26th September 2021.
3. **Dr B. Rupesh Kumar Naik, Assistant Professor**, has received "**Certificate Of Excellence In Reviewing**" in recognition of outstanding contribution to the quality of journal from Journal of Pharmaceutical research international on 02.10.2021

15.0 DEPARTMENT OF GENERAL SURGERY

Professor & Head

Dr Y. Mutheeswaraiah

Faculty

Dr B. Ramakrishna
Dr M.C.Narendra
Dr B.Hari Prasad

Dr B. Srihari Rao
Dr M. Pradeep

Dr P. Suresh Babu
Dr T.K.V.Kishore

Residents

Dr Arpan Kumar Patel
Dr A.Mallikarjun Pavan

Dr I.Uday Kumar

Dr K.Aditya Sarma

15.1. Research work

Ongoing thesis work

1. Arpan Kumar Patel. Study of utility of Raja Isteri Pengiran Anak Saleha Appendicitis (RIPASA) and modified alvarado scores in the diagnosis of acute appendicitis (MS).
2. Indravathi Uday Kumar. A prospective study to predict the outcome of diabetic foot ulcers using diabetic ulcer severity scoring system as a tool (MS).
3. Dr Kadivella Aditya Sarma. Evaluation of Desarda's repair for inguinal hernia (MS).
4. Dr A. Mallikarjuna Pavan. A comparative study of necrotizing fasciitis in patients with and without type 2 diabetes mellitus (MS).

15.2. Conferences attended:

International

Dr B.Hari Prasad, attended

1. Indian Podiatry Association Conference (IPACON-2021) organized by IPA (Indian Podiatry Association) during 24th & 25th July 2021 as a faculty.
2. Indian Podiatry Association Conference (IPACON-2021) organized by IPA (Indian Podiatry Association) held on 24th & 25th July 2021 as a delegate.

3. Asian & 3rd Global Wound Conference 2021 at Selangor, Malaysia during 3rd-5th December 2021.

National

1. IASO 2020, Mid Term Annual Conference of Indian Association of Surgical Oncology organised by department of Surgical Oncology, Sri Venkateswara Institute of medical Sciences, Tirupati as a Delegate, 29th February, 1st March, 2020
2. 80th Annual Conference of the Association of surgeons of India during 17th-19th December 2020.
3. Accredited Webinar-GI case presentation on 3rd June, 2021.
4. 81st Annual Conference of The Association of Surgeons of India during 16th-18th December 2021.

15.3 CME's/Workshops attended

1. Dr B.Hari Prasad attended
 - Inter State Seminar (On line)- "Seminar on Endocrinology" at SVMCAA Golden Jubilee & SV Medical College Diamond Jubilee, SVMC Tirupati on 30th May 2021.
 - Inter State Seminar (On line)- "Seminar on Oncology" at SVMCAA Golden Jubilee & SV Medical College Diamond Jubilee, SVMC Tirupati on 27th June 2021.

- Advanced Laparoscopy training program organized by Johnson & Johnson, Ethicon Institute of Surgical Education on 18th -19th December 2021, Chennai.
- 2. “Safe laparoscopic Cholecystectomy” by Dr Lakshmi Kona, Hyderabad, organized by Karl Storz on 18th December, 2021.
- 3. Dr B.Rama krishnaiah, advanced Laparoscopy training program organized by Johnson & Johnson, Ethicon Institute of Surgical Education during 18th -19th December 2021, Chennai.
- 4. Dr P.Suresh Babu, advanced Laparoscopy training program organized by Johnson & Johnson, Ethicon Institute of Surgical Education during 18th -19th December 2021, Chennai.
- 5. Dr M.C. Narendra, simulation work shop, SUMMAN 3G & leap software training during 14th -17th December 2021, SVIMS, Tirupati.

15.4 Fellowship Received:

Dr B.Hari Prasad, Associate Professor of General surgery was awarded the prestigious Fellowship of the Association of Surgeons of India (FAIS) by Association of Surgeons of India on 16th December, 2021.

15.5 Research Work

Research projects completed:

National:

1. An open label study to evaluate the efficacy and safety of oral herbal liquid formulation Rborium Plus in the treatment of Diabetic foot syndrome.

Co-guide in the ICMR study. Reference ID: 2019-04353

2. The safety and efficacy of oral ARborium plus, a herbal liquid formulation in the treatment of diabetic foot syndrome: An open label study. (International Journal of Basic & Clinical Pharmacolgy; April2020, Vol 9, Issue 4, page528).

15.5 Other academic activities

Permanent membership:

1. Indian Podiatry Association (IPA), Membership No.399.
2. Executive Board Member of Indian Podiatry Association of Andhra Pradesh & Telangana Chapter.

16.0 DEPARTMENT OF HAEMATOLOGY

Professor & Head

Dr C.Chandra Sekhar

16.1 Awards, achievements and felicitations:

1. Dr C.Chandra Sekhar appointed speciality Assessor for Hematology by National Broad of Examinations in Medical Sciences (NBEMS)

16.2 Research projects

Research projects completed

1. Analysis of EFE mutations in Idiopathic Erythrocytosis.
2. Association of Anti-Helicobacter pylori antibodies with serum intrinsic factor antibodies and serum Homocysteine. A non-invasive study on patients with Vitamin B12 deficiency anemia.

16.3 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, Pasupuleti SK, Sarma PVGK. Novel mutations in the EPO-R, VHL and EPAS1 genes in the Congenital Erythrocytosis patients. Blood Cells Mol Dis. 2020;85:102479.

Papers under Review:

1. “Low-cost screening of multi-group nutritional Anaemia’s using receiver Operating characteristic curve analysis.” (European Journal of Clinical Nutrition.)

17.0 DEPARTMENT OF MEDICAL ONCOLOGY

Associate Professor & HOD i/c

Dr D.Bhargavi

Faculty

Dr Kiran Kumar DVS

Dr R.Ramesh Reddy

DM PG Senior Residents

Dr Dr.Rajiv Gandhi K

Dr Ravi Teja C

Dr Sindhu P

Dr Advait M.K

17.1 Research Work

Thesis work

Theses submitted:

1. Phaneendra M. The utilization of G8 screening tool to assess toxicities in elderly patients with lung or gastrointestinal cancers from Andhra Pradesh (DM Thesis).
2. Sravan Kumar Reddy V. Evaluation of the tolerability and response rates with dose dense neoadjuvant chemotherapy for breast cancer (DM Thesis).

Ongoing thesis work:

1. Sindhu P. A study of olanzapine for the prevention of chemotherapy induced nausea and vomiting (CINV) in patients receiving highly emetogenic chemotherapy (HEC) (DM Thesis).

2. Rajiv Gandhi K. 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 Thesis).
3. Raviteja Cherukuri V. A study to assess serum CA 125 and CEA levels in carcinoma breast with different stages and subtypes (DM Thesis).
4. Advait MK. Evaluation of baseline stool culture and its association with microbiologically documented infection during febrile neutropenia in acute leukemia patients undergoing induction chemotherapy (DM Thesis).

17.2 Publications

1. Lakshmi Priyadarshini K, Bhargavi D. Serum Procalcitonin Versus Crp Levels As Early Diagnostic Markers Of Sepsis In Cancer Patients With Febrile Neutropenia. Indian J App Res 2021;11.

18.0 DEPARTMENT OF MEDICINE

Professor (Senior Grade) and Head

Dr B. Siddhartha Kumar

Dean, Professor (Senior Grade)

Dr Alladi Mohan

Faculty

Dr D.T. Katyarmal
Dr V. Manolasya
Dr V. Sameeraja
Dr M. Babu

Dr M.Monica Sai
Dr M.Krishna Kumar
Dr V.Pradeep
Dr R.Suryudu

Dr K.M. Bhargav
Dr K. Chandrasekhar
Dr M.C.R.Rama

Senior Residents

Dr S.Lavanya
Dr CVS Manasa
Dr K.Hemsai

Dr N.Mounika
Dr C.Sunil Kumar
Dr G.Mounika

Dr M.Haneesha
Dr N.Sai Ram

MD PG Junior Residents

I Year

II Year

Dr M.Arjun
Dr A.Nabeel
Dr G.BindhuMadhavi
Dr P.ChandanaSree
Dr K.Ragamayi
Dr B.Venkatarami Reddy
Dr D.Bhavitha
Dr N.Sandhya Reddy
Dr M.Vijaya Krishna

III Year

Dr M. Shriramya
Dr K. Anil kumar
Dr N. Madhuvanthini
Dr S. Vijayalakshmi
Dr M. H. Archana
Dr A. Anil kumar
Dr M. Siva Kumar
Dr I. Siva Sai Sireesha
Dr P. Prasanthi

18.1. Awards, achievements and felicitations

1a. Dr Alladi Mohan is

- *International Advisory Board Member* for *Hutchison's Clinical Methods*, 24th Edition (Glynn M, Drake WM, editors. Hutchison's clinical methods. An integrated approach to clinical practice. International Edition. 24th edition. Edinburgh: Elsevier; 2018).
- *Editor*, Indian Journal of Chest Diseases and Allied Sciences (Indexed in PUBMED), since 2010.
- *Associate Editor*, Lung India (Indexed in PUBMED), since 2010
- Editor, Journal of Clinical and Scientific Research, since 2012
- *Section Editor*, Journal of Advanced Lung Health since 2021.
- *Member, Editorial Board*, CHEST (Indian Edition), Official publication of American College of Chest Physicians, since 2017.
- Member, Board of Studies, General Medicine, KAHER, Belgaum since 2020
- Member, District Zoonosis, Committee since 2021
- Expert for assessing PhD research protocols, JIPMER, Puducherry, 2021
- Expert for Case Discussion in the 42nd CME Programme in Internal Medicine organised by the Medical Education & research Trust, Association of Physicians of India, Karnataka Chapter 26 October, 2021

- Expert for Case Discussion in the 1st Annual Conference of South Zonal (SZ) & South Mid Zonal (SMZ) Association of Physicians of India 2021 & 17th Annual Conference of Association of Physicians of India, Tamil Nadu State, 25 November, 2021.

Dr Alladi Mohan was awarded

- **Professor P. Ravindran Oration** titled “Diagnostic approach to extra-pulmonary tuberculosis” in CME Programme on Extra-Pulmonary TB organised by State TB Cell, Kerala & State Task Force on 04-07-2021.
- **Dr T.V.S. Chalapathi Rao Memorial Oration and Gold Medal** titled “COVID-19 - dengue coincidence, and co-existence” organised by Bezawada Medical Association, Indian Medical Association, Vijayawada, on 10 October 2021, at Vijayawada

1b. Dr M. Shriramya, Postgraduate Junior Resident in MD (Medicine) won the PG Gold Medal For Clinical Excellence (*Seventh position out of Ten Gold Medals; highest rank in Andhra Pradesh State Level*) awarded to postgraduates in MD (General Medicine) from four South Indian states of Tamil Nadu, Andhra Pradesh, Karnataka and Telangana states in the 1st Annual Conference of South Zonal (SZ) & South Mid Zonal (SMZ) Association of Physicians of India 2021 & 17th Annual Conference of Association of Physicians of India, Tamil Nadu State 25 November, 2021.

18.2. Research projects:

Research Projects Completed

1. DrAlladi Mohan is Co-Principal Investigator for the following projects funded by funded by Sri BalajiArogyaVaraPrasadini scheme of Sri Venkateswara Institute of Medical Sciences, Tirumala TirupatiDevasthanams, Tirupati.
2. Detection of IgG antibodies and neutralizing antibodies against SARS CoV2 in health-care workers, comparison of seven IVD approved SARS-CoV2 RT-PCR kits.
3. To determine the effect of delay in sample processing and the sample storage temperature on the COVID-19 RTPCR result.

Ongoing Research Projects

DrAlladi Mohan is Principal Investigator for the following Research Projects

1. Intravenous TREATment for Scrub Typhus (INTREST) Trial. Multicentric Project, funded by Wellcome Trust - DBT Alliance.
2. Prevalence, risk factors and laboratory diagnosis of nontuberculous mycobacterial (NTM) disease: a multicentre study, funded by ICMR, New Delhi.

Funded by Sri Balaji ArogyaVara Prasadini scheme of Sri Venkateswara Institute of Medical Sciences, Tirumala TirupatiDevasthanams, Tirupati:
3. Evaluation of the sensitivity and specificity of a rapid antigen-based point-of-care test for early detection of SARS-CoV-2 antigen/
4. Saliva as an alternative to nasopharyngeal swab for detection of SARS CoV2 using RT-PCR as diagnostic method.
5. Detection of COVID-19 variants in clinically suspected patients attending SVIMS hospital

18.3. Research work

Theses submitted

Thesis work carried out in the Department of Medicine

1. **Shriramya M.** Study of nutritional status in patients with various forms of tuberculosis (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Archana MH.** Burden of hepatitis B, hepatitis C and human immunodeficiency virus associated arthritis in patients with rheumatic diseases (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. **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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
4. **Vijayalakshmi S.** A study on aetiology clinical features and outcome in patients admitted with coma in a tertiary care institute (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

5. **Madhuvanthini N.** Assessment of quality of life and associated factors in patients of non diabetic chronic kidney disease in various stages [predialysis, dialysis (peritoneal dialysis and hemodialysis) and post renal transplant] (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
6. **Prasanthi P.** Comparison of C-reactive protein and plasma lactate in assessing the severity and outcome of community acquired pneumonia in a tertiary care institute (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
7. **Anil Kumar A.** A study on clinical features and complications of scrub typhus in a tertiary care institute in Andhra Pradesh, India (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
8. **Siva Kumar M.** Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
9. **Siva Sai Sireesha I.** 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 (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
6. **BindhuMadhavi G.** Study of serum markers of bone minerals metabolism among patients with type 2 Diabetes Mellitus (MD thesis).
7. **Venkatarami Reddy B.** Clinical presentation, imaging finding and in-hospital outcome in patients with posterior circulation stroke (MD thesis).
8. **Vijay Krishna M.** Utility of Urinary creatinine to plasma creatinine ratio in predicting the Onset of Diuretic phase in Acute Kidney Injury (MD thesis).
9. **Ragamayi K.** A study on Burden of Hypertension from among Patients with Type 2 Diabetes Mellitus (MD thesis).

Thesis work carried out in other Departments

Dr Alladi Mohan was Co-guide for the following theses

1. **Dilip Kumar D.** Study of cerebral white matter hyperintensities in young and middle aged clinical patients and their association with symptoms (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Rishi Gowtham R.** Molecular characterization and identification of potential inhibitors of E protein of dengue virus. (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

18.4. Conferences/ Orations/lectures conducted

DrAlladiMohan was Quizmaster and Anchor for NAPCON 2021 Postgraduate Quiz for Andhra Pradesh State

18.5. Conferences attended, lectures delivered

DrAlladi Mohan delivered the following lectures:

1. “Choice Vs chance: mathematics behind clinical decision making” in the e-APICON 2021, Virtual National Conference of the Association of Physicians of India. At Mumbai, 4-7 March, 2021.
2. “Snake bite: problems, complications, management” in the CME Programme organized by Indian Society of Critical Care Medicine, Tiruapti Chapter 28 March, 2021at Tirupati.
3. “Coping with COVID-19: The way forward” in the Webinarorganised by Andhra Pradesh State Council of Science &Technology (APCOST), Government of Andhra Pradesh, on 28 May, 2021

Ongoing thesis work

1. **Arjun M.** Study of clinical presentation and pattern of cardiac involvement in patients with rheumatic heart disease (MD Thesis).
2. **Bhavitha D.** Study of the sequelae of severe acute respiratory syndrome (SARS) Coronavirus-2 (SARS-CoV-2) disease – 2019 (COVID-19) in survivors (MD thesis).
3. **Nabeel.** Study of semiology and treatment delivery in patients with epilepsy (MD thesis).
4. **ChandanaSree P.** A study on incidence, etiology and clinical profile of ventilator associated pneumonia – a prospective study (MD thesis).
5. **Sandhya Reddy N.** Study of abnormalities in urine evaluation, biochemical investigations, imaging and clinical course between patients with acute kidney injury due to pre renal versus acute tubular necrosis (MD thesis).

4. "Epidemiology, risk factors, clinical features" in Online CME on Mucormycosis (black fungus) organized by District Collector, Chittoor on 4 June, 2021
 5. "Respiratory consequences" in Webinar "Post-COVID-19: Long-term consequences of COVID-19" held on 26 June, 2021.
 6. "New management guidelines" in online CME "An update on COVID 19" organized by Indian Medical Association Academy of Medical Specialty Andhra Pradesh State on 13 June, 2021.
 7. "Public health aspects of COVID-19" in Seminar on COVID-19, 3rd wave preparedness organized by Chittoor District Administration on 7 July, 2021 at Tirupati.
 8. "Diagnosis of extra-pulmonary tuberculosis: What is new?" in the Virtual Annual Conference of Andhra Pradesh Chapter of Association of Physicians of India (eAPAPICON 2021) held at Amalapuram, 11-12 September, 2021.
 9. "Role of breath in COVID-19 - infection, intensification and relief" in International Webinar organised by Indian Institute of Technology, Madras on 20 August, 2021.
 10. "Acute Undifferentiated fevers" in National Webinar Organised by Indian Medical Association Academy of Medical Specialty (IMA AMS) Andhra Pradesh State on 26 August, 2021.
 11. "Clinical presentation, diagnosis" #AP-COVinar, 46 COVID-19 and Dengue Co-Infection on 14 Sept 2021.
 12. "Extrapulmonary tuberculosis: challenges in diagnosis" In: 38th Annual Conference of the API Karnataka Chapter (KAPICON 2020-21) held at Manipal, 18-19 September, 2021.
 13. "Hypothesis testing, P-value" in 5th Annual Conference of Telangana State Association of Physicians of India on 24 October, 2021.
 14. "Extra-pulmonary tuberculosis: Diagnosis and management" in the 1st Annual Conference of South Zonal (SZ) & South Mid Zonal (SMZ) Association of Physicians of India 2021 & 17th Annual Conference of Association of Physicians of India, Tamil Nadu State Chapter on 26 November 2021.
 15. "Post COVID-19 sequelae and consequences" in 11th Conference (Virtual) International Conference on COVID-19 organised by S.V. Medical College Alumni Association (SVMCAA), India Medical Association, Tirupati, Sri Venkateswara Medical College, Tirupati and Sri Venkateswara Institute of Medical Sciences, Tirupati on 28 November 2021.
 16. "TB in the elderly" in 18th Annual Indian Geriatric Conference (GERICON 2021), held at Hyderabad, 18-19 December, 2021
- 18.6. Expert/Chairperson/Panelist/Co-ordinator/Judge**
- Dr Alladi Mohan** was
1. Panelist for 54th Annual CME of Obstetrics and Gynecological Society Vishakapatnam Webinar "Fever in pregnancy" on 5 December, 2021.
 2. Panelist for Webinar on Snoring and Sleep Apnoea organised by M3India 25 January, 2022.
 3. National Expert, Panelist speaker for NITRD-CTD-NTF Difficult to treat TB Clinic on 24 November, 2021.
- 18.7. Paper presentation in conference**
- By postgraduate students**
- Postgraduate students pursuing MD (Medicine) presented the following papers at the 48th Virtual Annual Conference of Andhra Pradesh Chapter of Association of Physicians of India (eAPAPICON 2021) held at Amalapuram, 11-12 September, 2021.
1. Shriramya M, Alladi Mohan, Bhargav KM, Sarma KVS, Venkataramana B, Vijayalakshmi Devi B, Rukmangadha N, Aparna R Bitla. Study of nutritional status in patients with various forms of tuberculosis at the time of initial presentation.
 2. Anil Kumar K, Alladi Mohan, Bhargav KM, Sarma KVS, V. Vanajakshamma, Vijayalakshmi Devi B, Rukmangadha N. 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.
 3. Archana MH, Sirisha K, Alladi Mohan, Bhargav KM, Kalawat U, Sarma KVS. Burden of hepatitis B, hepatitis C and human immunodeficiency virus

associated arthritis in patients with rheumatic diseases.

4. Madhuvanthini N, B.Siddhartha Kumar, V.Siva Kumar, Sarma K.V.S. Assessment of quality of life and associated factors in patients of non diabetic chronic kidney disease in various stages [predialysis, dialysis (hemodialysis and peritoneal dialysis) and post renal transplant].
5. Vijayalakshmi S, B.Siddhartha Kumar, A.Krishnasimha Reddy, M.Babu ,K.V.S.Sarma. A study on aetiology, clinical features and outcome in patients admitted with coma in a tertiary care institute.
6. Sivakumar M, Katyarmal DT, Sandeep Reddy A, Suresh V, KusumaKumari M, Sarma KVS. Etiology and clinical profile in patients with hypokalemia at our tertiary care hospital.
7. Anil Kumar A, B.Siddhartha Kumar, M.Babu, UshaKalawat, K.V.S.Sarma. A study on clinical features and complications of scrub typhus in a tertiary care institute in Andhra Pradesh, India.
8. Iraga Siva Sai Sireesha, D.T.Katyarmal, B.Vengamma, S.V.Naveen Prasad, B.Vijayalakshmi Devi, M.Harika, N.Rukmangadha, B.V.Ramana. 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.
9. Prasanthi P, KatyarmalDT, ManolasyaDT, Kalawat U, LakshmiAY, KusumaKumari M, Sarma K.V.S. Comparison of C-reactive protein and plasma lactate in assessing the severity and outcome of community acquired pneumonia in a tertiary care institute.
10. Arjun M, Krishna Kumar M, Sairam N, Siddhartha Kumar B, Vijayalakshmi Devi B, Jayaprada R. Melioidosis presenting with multiple liver abscesses: a case report.
11. Vijay Krishna M, Sameeraja V, Alladi Mohan, Vengamma B. Post COVID-19 neuropathy.
12. Bindhu Madhavi G, Mounika G, Rama MCR, Alladi Mohan, Bhanu Prakash R, Vijaya Lakshmi Devi B. Lamotrigine – induced drug reaction with eosinophilia and systemic symptoms (DRESS).
13. Sandhya Reddy N, Krishna Kumar M, Hemsai K, Siddhartha Kumar B, Siva Kumar V, Mathini S.

Hemolytic uremic syndrome associated with paraphenylene diamine intoxication.

14. Bhavitha D, Alladi Mohan, Bhargav KM, Rama MCR, Vijayalakshmi Devi B, SreeSatyavathi D, Abha Chandra. Pulmonary alveolar microlithiasis.
15. Nabeel, Mounika N, Sireesha K, Alladi Mohan, Vanajakshamma V. Juvenile idiopathic arthritis with rare extra articular manifestations.
16. Venkata Rami Reddy B, Sunil Kumar C, Sandeep Reddy A, Katyarmal DT, Pavankumar K, Vanajakshamma V. Hereditary haemorrhagic telangiectasia (Osler-weber-rendu syndrome): a case report.
17. Chandanasree P, Siddhartha Kumar B, Chandrasekhar K, Mounika N. Methaemoglobinemia due to nitrobenzene poisoning.
18. Ragamayi K, Alladi Mohan, Sameeraja V, Vijayalakshmi Devi B. Charcot's foot in diabetes mellitus.

18.8. Publications

Publications in indexed journals

1. Sharma SK, **Mohan A**, Kohli M. Extrapulmonary tuberculosis. Expert Rev Respir Med 2021;15:931-48.
2. Keerthi C, Arun R, Babu BS, Babu KV, **Mohan A**, Chandrasekhar C, et al.Serological Characterisation of auto-antibodies in patients with direct antiglobulin test positive autoimmune haemolytic anaemia at a tertiary care teaching hospital in Tirupati, India. J Clin of Diagn Res 2021;15(8):EC12-EC15.
3. **ManolasyaV, Katyarmal DT**, SuneelBabu TM, Prasad TS, Preethi T, Priyanka B, Robin G. Burden of comorbidities and their treatment in patients with active tuberculosis: A prospective study. J ClinSci Res 2021;10:202-7.
4. **Harikrishna J, Pradeep V, Reddy VD, Kumar MK**, Surekha A, Surya Durga Devi PS, **Mohan A**. Stevens–Johnson syndrome/toxic epidermal necrolysis overlap syndrome due to oral phenytoin. J ClinSci Res 2021;10:115-7.

Books and Book Chapters

1. **Raja A**, Suneetha P, Mohan A. Anticonvulsant hypersensitivity syndrome. In: Prasad R, editor.

Clinical Allergy. New Delhi: Jaypee Brothers Medical Publishers; 2020.p.317-25.

2. **Mohan A**, Vikramchandra A. Choice Vs Chance: Mathematics behind clinical decision-making. In: Tewary K, Editor. Medicine update 2021. Mumbai: Evangel Publications, for The Association of Physicians of India; 2021(31):729-32.
3. **Mohan A, Pradeep V**. Lymphadenopathy: causes and evaluation. In: Wander GS, Editor-in-Chief. Postgraduate Medicine. Vol.1. New Delhi: Jaypee Brothers Medical Publishers; 2021.p.35-9.
4. **Pradeep V, Mohan A**. Sleep apnea and hypertension. In: Muruganathan BA, Editor-in-Chief. Manual of Hypertension. 2nd edition. New Delhi: Jaypee Brothers Medical Publishers for the Hypertension Society of India; 2021.p.296-300.

Public awareness lectures

Dr Alladi Mohan delivered public awareness lectures:

COVID-19 in All India Radio, Tirupati.

- “Sensing pain and temperature” in Series of webinars on Nobel Prizes 2021 organised by Regional Science Centre, Tirupati, National Council of Science Museums, Ministry of Culture, Govt. of India, on December 11, 2021.
- “COVID-19: Virus strains, recent advances and future prospects” Webinar organised by World Arya VysyaMahasabha, Bengaluru on 19 June 2021.
- “COVID-19 and the lungs: during the acute infection and thereafter” in Webinar organised by Sri PadmavathiMahilaViswavidyalayam, Tirupati, on 14 June, 2021.
- “Diabetes mellitus” in the Mega diabetic awareness programme, held at Puttur on 12 December 2021.

18.9. Others

Dr Alladi 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).

- **NMC Assessor** for MD (Medicine/General Medicine), MBBS
- **NMC Observer** for Revised Basic Course Workshop held on 22–24 September 2021 at Sri Venkateswara Medical College, Tirupati.
- **Faculty Resource Person** for the Revised Basic Course Workshop held on 29-30 September, 2021, at Sri Venkateswara Institute of Medical Sciences Sri Padmavathi Medical College for Women, Tirupati.

Dr B Siddhartha Kumar was **Examiner** for

- MBBS (Dr MGR Medical University)
- MD (General Medicine) Maharashtra University of Health Sciences (MUHS)
- Evaluator for DNB Medicine thesis

ACKNOWLEDGEMENT:

The Department of Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati thankfully acknowledges the munificence, extreme kindness and invaluable help rendered by *IIT Madras Alumni charitable Trust; Dr Prof. Mahesh Panchagnula, Dean (Alumni & Corporate Relations); and Dr Hiranmayee Vedam* for their timely donation of 1120 vials of Liposomal Amphotericin-B (LAMB) for the treatment of COVID-19 patients with mucormycosis at the Sri Venkateswara Institute of Medical Sciences, Sri Padmavathi Medical College for Women State COVID-19 Hospital.



Dr Prof. Alladi Mohan, Dr KM Bhargava, Department of Medicine, handing over Liposomal Amphotericin B vials donated by IIT Madras Alumni Charitable Trust to Dr B.Vengamma, Director Cum-Vice Chancellor.

19.0 DEPARTMENT OF MICROBIOLOGY

Professor & HOD i/c

Dr B. Venkataramana

Faculty

Dr Abhijit Chaudhury
Dr R. Jayaprada
Dr S. Yamini

Dr Anju Verma
Dr N. Rama Krishna

Lecturer / Resident Specialist

Dr. S. Noble Ujesh
Dr. V. Harika

Tutors

Dr. M.Sreehari
Dr. K. Vineela

Research Scholars

Rishi Gowtham R

Meenakshi K

Srikar A

19.1 Awards, Achievements and felicitations

1. Dr R. Jayaprada Awarded “Certificate of excellence in reviewing in recognition of an outstanding contribution to the quality of the Journal of Pharmaceutical Research International Certificate No: SDI/HR/PR/Cert/67647/RJA.

19.2 Research Projects

Research Projects Completed

1. **Principal Investigator:** Dr R.Jayaprada, **Title:** Molecular and Biochemical Characterization of clinical isolates of group B Streptococci.
2. **Co Investigator:** Dr R.Jayaprada, **Title:** Overlooked Risk for Chronic Kidney Disease after Leptospirosis Infection.

Ongoing Research Projects:

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

2. **Principal Investigator:** Dr R. Jayaprada, **Title:** UTI due to Enterobacteriaceae-A multicentre study conducted by Sathyasai Institute and BIRAC.
3. **Principal Investigator:** Dr R. Jayaprada, **Title:** Impact of conducting hand hygiene audit in COVID-19 care locations of India— A large scale national multicentric study.
4. **Principal Investigator:** Dr R. Jayaprada, **Title:** V-AMR study ‘Surveillance of multidrug-resistant, extensively drug-resistant and pandrug-resistant bacteria for the VITEK®2 user centres.
5. **Principal Investigator:** A Srikar, **Title:** Genetic diversity of Mycobacterium tuberculosis complex isolated from sputum smear positive previously treated patients with pulmonary tuberculosis. **Funding Agency:** SBAVP

19.3 Research Work

Thesis Work

Theses submitted

1. **Vineela K.** Study of diagnostic accuracy of Xpert MTB/RIF in pulmonary tuberculosis in a tertiary

care teaching hospital, SVIMS, Tirupati, Andhra Pradesh (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis Work

1. Sriharirao M. A study of phenotypic and molecular characterization of Carbapenem resistant Enterobacteriaceae in clinical specimen from Medical Intensive Care Unit in a tertiary care hospital, SVIMS, Tirupati (MD Thesis).

Dissertation work

Ongoing dissertation work

1. Venkata Komali B. Evaluation of direct blood culture disk diffusion antimicrobial susceptibility testing in patients with Gram negative bacteremia and its usefulness in patients outcome in a tertiary care hospital (MSc).
2. Girija D. Detection of methicillin resistance in clinical isolates of staphylococcus aureus in tertiary care hospital, Tirupati (MSc).
3. Vijaya Chandra J. A study on susceptibility of clinical isolates of methicillin resistant *staphylococcus aureus* to ceftaroline (MSc).

19.4. Conference attended, lectures delivered

1. **Dr Abhijit Choudhury**, delivered Guest lecture on “New and Potential Anti-Parasitic Drugs” at TROPACON 2021; XVth National Conference of Indian Academy of Tropical Parasitology, PGIMER, Chandigarh in December, 2020.
2. **Dr R. Jayaprada**, attended the following
 - Webinar “Drug induced kidney injury in critically ill patients” on 10/2/2021.
 - Participated in webinar organized by SPECT titled “NABH 5th edition update about CSSD – Role of CSSD in COVID-19 pandemic.”
 - Completed online training on Biostatistics from January 21-27, 2021, conducted by Science tech Institute Lucknow, INDIA
 - Webinar on Anaerobic infections by AIIMS –ASM 2021 on March 4&5 2021.

- CME cum News letter release on AMSP on February 13th, 2021.
- Webinar on “current global practices and policies for antimicrobial resistance” on 12th February 2021.
- Carbapenem resistance - the North Indian summer” on Feb 12/2021.
- Participated AMR master class 2.0 “Learn from the experts - reporting AST results. What’s in it for a treating physician” 17/02/2021.
- Participated in VTE management (Venous thrombo embolism) Hospital Acquired infections by Sanofi pharmaceuticals on 25th February 2021.
- Participated in CME on item in Dermatophytosis on 25th February 2021.
- Attended National webinar on “the Baffling pandemic – COVID -19 addressing the challenges today & tomorrow” on 25th February 2021.
- Participated in– Panel discussion in IPC’s on 4th March 2021
- Webinar on Quality Management 9th March 2021
- Participated in “Virtual workshop on implementing CBME Curriculum by Dept. of Microbiology and IAMM, Tamilnadu chapter”. Awarded 2 credit points on March 4-6th 2021.
- Actively involved in NABH Final Accreditation inspection during 4-6 March 2021.
- Webinar on Insights on Feluda – the first indigenously developed CRI SPR based SARS COV-2 test on 5th March 2021.
- Webinar from 4-5 PM “CBME – New Era in teaching of Microbiology with Dr. C.P. Baveja” on March 13th 2021.
- Participated in Webinar on Febrile Encephalopathy in children - case based discussion on March 13th 2021.
- Participated in CME Recurrent UTI in transplant patients on March 13th 2021.
- Webinar on “The threat of CRE – Detection, Diagnosis and decision” on March 11th 2021.

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- CME on “TB Elimination: The clock is ticking” by AIIMS, Raipur (Chhattisgarh) on March 24th, 2021.
- Participated as speaker in Symposium on opportunities and challenge to eliminate tuberculosis by AIIMS, Bhopal 24th March 2021.
- Virtual CME on” COVID – 19 pandemic lessons learnt” on 27.03.2021 by Dept. of Transfusion of Medicine, ESIC Medical College Hospital, Sanath Nagar, and Hyderabad.
- Participated in National CME Theme: COVID – 19 Vaccination and surveillance of potential adverse events following Immunization on 3rd April 2021.
- Participated in Panel discussion webinar on “Updates in diagnosis and Management of Drug Resistant TB – case based discussion on 7th April, 2021.
- Participated in CIDS COVID – 19 webinar, “Tacking the new wave on April 10th, 2021.
- Participated in “COVID – 19 vaccines vs Waves”, e-CME on April 28th, 2021. Organized by Vinayaka Missions Krupananda Variyar Medical College and Hospitals, Salem.
- Participated in E-CME on “Rise of carbapenem resistant Enterobacterales – addressing the issue with novel BL-BLI on April 28th, 2021.
- Participated in CME on Quality Control and Accreditations requirements in Microbiology and Serology organized by F & G.
- Participated in AMR Master Characterizing Co-infections in Paediatric COVID – 19 patients by BD.
- Participated in webinar entitled “Points to ponder-Antimicrobial in Paediatric sepsis on 19.05.2021 by MMC, Chennai.
- Participated in One week online training program “Statistical data analysis using SPSS” by Science Tech Institute, Lucknow, UP, India from 21.05.2021 to 27.05.2021.
- Participated in Theme “Disinfection and Sterilization practices update 2021” CME series – An initiative of CAHO Quality professional’s wing association with ASQUA on 29th May, 2021.
- Attended Webinar on COVID-19 Q &A for Health Care Professionals and Families in India by Standard University on 13th May 2021.
- Participated in COVID – 19 Double Mutant Prevention and Vaccination Awareness on 13th May 2021.
- Participated in IAMM Delhi Chapter webinar “Rise of the Titans after COVID” on 22nd May 2021.
- National CME on COVID-19 vaccination and surveillance of potential adverse events following immunization held on 3rd March, 2021.
- Completed Training on “Internal Quality Control in Clinical laboratory on 30th May 2021.
- Completed online training session on Disinfection and Sterilization Process update 2021 by CAHO on 29th May 2021.
- COVID – 19 Associated Mucormycosis (CAM) – Are we doorstep away from next pandemic facts and myths on 29th May, 2021.
- “Setting up SARS COV 2 sequencing lab – Its potential in Genome testing and surveillance on 1st June, 2021.
- Webinar “Emerging fungal infection challenges in COVID – 19 patients”.
- COVID – 19 Neutralization test and detection on 4th June 2021.
- Webinar on point to ponder – Antimicrobials in paediatric sepsis on 19th May, 2021.
- Conducted and presented as a speaker in Webinar on Mucormycosis – SVIMS on 4th June 2021.
- Webinar on “Emerging fungal Infectious challenges in COVID – 19 patients conducted by dept. of Microbiology, MMIMSR, MMDO, Mullana, Ambala (Haryana) on 5th June, 2021.
- Webinar on IPC master class sessions on 6th July, 2021.
- Lecture on “COVID – 19 irrational treatments and what should be avoided on 13th May 2021.

- COVID webinar on topic “COVID-19 Neutralization test and detection on 04.07.2021 by J.Mitra.
- A multi disciplinary management during COVID – 19 pandemic on 07.06.2021.
- Presented lecture in webinar on mucormycosis on 04.06.2021.
- CPC for webinar on diagnostics of different COVID strains on 07.06.2021.
- Participated in IDEA 2021 Conference International debate on Examination and Assessment 2021 – 8th June to 11th June, 2021 organized by Council of Examiners, India.
- Participated in HCP forum, mutant strains spread, scale and virulence how accurate is your Rt-PCR test on June 12th, 2021.
- Participated in IAMM Rajasthan Chapter – “Laboratory diagnosis of Mucormycosis by Dr. Jagdish Chandra on 17.06.2021.
- Participated online live conference on Global sepsis Expert, meeting conducted by Medical Learning Hub on 13.06.2021.
- Participated in Pressure Ulcer Awareness campaign and structured in service education programs as a quality improvement project on 18.06.2021.
- Participated in Hospital Infection Society India – Aligarh chapter and Hospital Infection Control Committee JNMCH – AMU – Aligarh – Interdisciplinary Approach for Mucormycosis on 17.06.2021.
- Participated in CME on third wave of COVID – 19 with Dr. Pravin Hisseni – CLIRNET on 17.06.2021.
- Completed course in Internal Quality Control in clinical laboratory online organized by UDEMY On 23.06.2021.
- Participated in COVID 19 Control – Success and failures public health webinar by SRM University, Sikkim on 18.06.2021.
- Participated in Relevance of Antibody testing by J.Mitra Co. Pvt. Ltd. On 23.06.2021.
- Participated in Medical Education and Global Advancement webinar series 2021 on Mucormycosis organized by Vinayaka Mission College and Hospital , Salem on 29.06.2021.
- Participated in Panel discussion on Mucormycosis by SRM Hospital and Research Centre, Trichy.
- Participated in Managing COVID 19 Biomedical Waste in India on 30.06.2021.
- Participated in Objective Structured Practical Examination by Dr. Suchete Dandekar on 25.06.2021.
- Participated in World Zoonoses Day by MAHE Institute of Virology, MAHE, Manipal.
- Participated in HISICON workshop on 27.06.2021.
- Participated in Impact of mutant variants on COVID testing current insights on 03.07.2021.
- Participated in Observance of World Zoonoses Day on 6th July, 2021 organized by School of Tropical Medicine, Kolkata.
- “International webinar on world Zoonoses Day organized by Manipal Institute of Virology on 6th July, 2021.
- “Learning Soft skills for successful practice by Dr. K.R.Sethuraman, MD, PGDHE at SDVAHER, Kolar on 10.07.2021.
- Webinar on COVID 19 associated Mucormycosis by SRMC, Chennai on 16.07.2021.
- CME on Paediatric infection and Infection Control on 21 to 24th July, 2021.
- Environmental Disinfection and its nuances – COVID 19 and beyond by ASP on 16.07.2021.
- Participated in Live webinar on Diagnosis COVID 19 by AMR masterclass 2.0 from AIIMS Delhi on 16.07.2021.
- Participated in Natural webinar on COVID 19 associated Mucormycosis on 16.07.2021 by WCC Biotech.
- “Cross infectious of Malaria and Dengue better avenues in Diagnostic approaches” organized by J. Mitra and Co. Pvt. Ltd. On 16.07.2021.

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- “Evolution of COVID 19 variants in India: Impact on diagnosis and surveillance of SARS COV 2 towards outbreak prepared in India – lessons from pandemic.
 - CIDSCON 2021 virtual conference from August 25th to 29th, 2021 by virtual meeting.
 - “Vaccine and SARS – COV 2 variants in India: a fight against COVID – 19” on 23.07.2021.
 - Participated in INASL world hepatitis day conclave “Hepatitis can’t wait” on 24th July, 2021.
 - Webinar - Knowledge Edge series : clinical decision support, improving patient and practice outcomes for general practitioners on 27.07.2021.
 - National webinar on Biomedical Waste Management organized by IMA and CAHO on 13.09.2021.
 - Participated in Practical surveillance to improve IPC practices on 16.09.2021 organized by KMC, Manipal and ACM.
 - Participated in National CME on Hepatitis B – Mitigation and working towards elimination on 28.07.2021.
 - Participated in Programme CAHO’s world patient safety day 2021 programme on WHO’s theme safe maternal and newborn care on 17.09.2021 in association with National Society Obstetrics (FOGSI), Paediatrics (IAP), Neonatology (NNF), VQOCN.
 - MDR expert X week series focussing on the management of infections due to CRE, ESBL – producing Gram negative organisms and MDR pseudomonas from 22nd to 28th September, 2021.
 - “A two day International webinar on “Biotechnology: Modern molecular Approach” organized by Dept. of Biotechnology on 10th and 11th September, 2021 at Sri Padmavathi Mahilaviswavidyalayam.
 - 3rd virtual chapter meet of IAMM, Delhi chapter on 11th and 12th September, 2021 dedicated to World Sepsis Day.
 - Webinar titled “Diagnostic Stewardship” A first step towards effective patient management” conducted by Dept. of Microbiology, KMC, Mangalore on 9th October, 2021.
 - Participated in the webinar on “Antibiotic Resistance – where do we stand?”, by Vinayaka Medical College and Hospitals, Salem held on 19.11.2021.
 - Participated in the webinar on “Road to new normal” COVID 19 Impact on Infection Prevention and Control on 22.10.2021 by Panimalar Medical College Hospital and Research Institute.
 - Webinar titled “Nipah Virus” organized by Dept. of Microbiology, Sri Devaraj Urs Medical College, Kolar on 22.10.2021.
- Dr S. Yamini**, attended the following
1. World Antibiotic Awareness week 2021, Spread awareness, stop resistance, held on 18-24 November, 2021.
 2. XVII annual conference of Hospital Infection Society held on 29-31 July, 2021.
 3. Participated in characterizing coinfections in paediatric COVID 19 infections conducted by AMR masterclass on 14th May, 2021.
 4. Participated in Antimicrobial stewardship in health care institutions conducted by CAHO 30th January, 2021.
 5. Participated in reporting AST results: What is in it for a treating physician, conducted by AMR masterclass on 17th February, 2021.
 6. Attended CIDSCON 2021 from 25th to 29th August, 2021.
 7. Participated in Sepsis management: what has changed, conducted by SVIMS on 13th September, 2021.

19.5. Publications

Original Articles

1. Chaudhury A. The forgotten malariologist: Giovanni Battista Grassi (1854–1925). Trop Parasitol 2021;11:16-8. (PMID: 34195055)

2. Saha P, Chaudhury A, Maji AK. Sir U.N. Brahmachari and his battle against Kala-Azar. *Trop Parasitol* 2021;11:89-91. (PMID: 34765528)
3. V Manyala PV, Chaudhury M, Anagoni S, Pulicherla B, Chaudhury A. Nasal carriage of antibiotic-resistant staphylococci among undergraduate medical students, with special reference to methicillin-resistant *Staphylococcus aureus*. *J Clin Sci Res* 2021;10:2-8.
4. Jayaprada R, Ramakrishna N, Sharma K K. A surveillance study of multidrug-resistant organisms among clinically significant Gram negative bacteria in a tertiary care teaching hospital from South India. *J Clin Sci Res* 2021;10:25-30.
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. Accepted to JCSR, in January 2021.
6. Yamini S, Tirumala, Jayaprada R, Ramana BV. Microbiome and antimicrobial sensitivity patterns of endotracheal secretions in mechanically ventilated patients in ICUs in tertiary care hospital. Accepted in *Journal of Evolution of Medical and Dental sciences/ Volume 11/ Issue 01/ January, 2022*.
7. 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.
8. 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.
9. S. Nagaraju, Jayaprada R, N Ramakrishna*, K.K. Sharma, B V Ramana, "Epidemiology and AntibioGram of Non fermentative Gram negative bacilli isolated from various clinical samples in a tertiary care teaching hospital in South India". *IJMACR* 2020;3(2): 123–31.
10. Sneha P, Ramakrishna N, Jayaprada R*, Sharma K K. prevalence and antimicrobial susceptibility pattern of *Acinetobacter* species among various clinical samples in a tertiary care teaching hospital, SVIMS, Tirupathi. *IJSR* 2020;9(9): Print ISSN No. 2277 – 8179.
11. Rangineni J, Nukanaboina R, Sharma KK. A surveillance study of multidrug-resistant organisms among clinically significant Gram-negative bacteria in a tertiary care teaching hospital from South India. *J Clin Sci Res* 2021;10:25-30.
12. Vineela K, Jayaprada R, Ramakrishna N, Yamini S, Bhargav KM. 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. jcsr_40_21. (under review).
13. Dr. S. Yamini - Microbiome and antimicrobial sensitivity pattern of endotracheal secretions in mechanically ventilated patients in ICUs in tertiary care hospital. Submitted and accepted in JEMDS.

19. CMEs / Seminars / Workshops / Trainings attended:

1. Dr B. Venkataramana, Participated

- CME on "Microbiology Teaching Learning Then and Now" through Microsoft Teams held on 6th February, 2021 conducted by Kasturba Medical College, Mangalore.
- National CME on COVID 19 Vaccination and Surveillance of Potential Adverse Events following Immunization held on 3rd March, 2021 organized by Deccan College of Medical Sciences.
- Webinar on COVID 19 organized by Clinical Infectious Diseases Society held on 22nd May, 2021.
- e-CME on "Infectious Control of Operation Theatre" organized by the Dept. of Microbiology, Vinayaka Mission's Kirupananda Variyar Medical College and Hospitals, Salem on 21st August, 2021.
- e-Learning Module titled "Mucormycosis : Clinical Management and Case Presentation" organized by Medical Learning Hub on 19th June, 2021.

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- National CME on Hepatitis B – Mitigation and Working towards Elimination organized by AIIMS, Bibinagar, Hyderabad on 28th July, 2021.
- IAMM KC First Chapter Meet CME programme held at Vydehi Institute of Medical Sciences & Research Centre on 30th July, 2021.
- 2. Dr Anjuverma attended Revised Basic Course in September, 2021 at SVIMS.
- 3. Dr N. Ramakrishna, attended
- CME on quality & accreditation in clinical laboratories. (Organized by breach candy hospitals, Mumbai-Jan 2021).
- Resource person in Medical Education Unit SVIMS-SPMCW, participated in recent RBCW training (2021).
- MCI **curriculum implementation support program (CISP)** at SVIMS, Tirupati.
- Completed **Basic Course in Bio-medical Research** online certification course conducted by ICMR.
- 4. Dr S. Yamini got certificate in basic course in biomedical research, mandated by NMC and attended Revised Basic Course in September, 2021 at SVIMS.

19.7 Other academic activities

Dr Abhijit Choudhury

1. Reviewer for:
 - i. Indian Journal of Medical Research
 - ii. PLOS-Neglected Tropical Diseases
 - iii. BMC Microbiology
2. MBBS and MD examiner at TN Dr MGR Medical University, SUM University, Bhubaneswar, NTRUHS.
3. NAAC assessor for SRMC, Chennai, BLDE University, Vijayapura; SDUAHER, Kolar; JSS Institute of Physiotherapy, Mysore; NKP Salve Medical College, Nagpur.
4. Resource Person in the International certificate course by Sri Balaji Vidyapeeth (SBV), Puducherry and Indian Academy of Tropical Parasitology on “Research to Publication” 2021.
5. Member, Board of Studies, Department of Microbiology, IMS, BHU, Varanasi.

Dr N. Ramakrishna

1. As an external examiner attended for II MBBS undergraduate practical examinations conducted at S.V Medical College, Tirupati by Dr NTRUHS, A.P.

20.0 DEPARTMENT OF NEPHROLOGY

Professor & Head

Dr R. Ram

Faculty

Dr V. Siva Kumar

Dr Maria Bethsaida Manual

Dr R.D.Nagaraj

DDM PG Senior Residents

Dr Murali M

Dr Lakshmi Aishwarya P

Dr Prasanna Kumar N

Dr Mathini S

20.1. Thesis work

Theses submitted

1. **Naga Alekya B.** A study on markers of oxidative stress and inflammation in patients of ESRD with peritonitis on chronic peritoneal dialysis (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Maria Bethsaida Manual.** A study on correlates of atherosclerotic vascular disease in stable post renal transplant patients (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. **Lakshmi Aishwarya P.** A study of oxidative stress, inflammation and endothelial dysfunction in snake bite induced acute kidney injury patients (DM Thesis).
2. **Murali M.** A study of non invasive assessment of bone disease in chronic kidney disease in various stages (DM Thesis).
3. **Mathini S.** Assessment of Nutrition, Adipocytokines, Insulin resistance, oxidative stress, inflammation, Endothelial dysfunction, and Cardiovascular risk in Non-diabetic CKD patients on Chronic Peritoneal Dialysis (DM Thesis).

4. **Prasanna Kumar.** Assessment of oxidative stress, Inflammation and Urinary podocalyxin in patients of active Lupus nephritis (DM Thesis).

20.2 Conferences attended

Dr Ram, attended

1. ISNCON 2021 DEBATE – HCV treatment pre and post transplant.
2. SRMCON 2021 Judge to posters.
3. APNCON 2021 Judge for papers.
4. PD Update 2021- APD Future.
5. NBE-PD fluids

Dr V Sivakumar, attended

1. ISNCON 2021 Chairperson- COVID 19 & Ethical challenges in Nephrology.
2. ISN Southern chapter, Kurnool 2021 chairperson- COVID 19 experience.
3. NBE- CAPD APD Prescription.

20.3 Presentations by post graduate students

1. Dr Murali attended
ISNCON 2021 COVID 19 & IRGN presented a paper on “- Single centre experience”

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- APSICON presented a paper on “Role of AV Fistula in improving renal functions- A observational study”.
- 2. Dr Aishwarya, presented a paper on “Cystinosis .. A 12yr follow up study” and poster “Thrombotic microangiopathy due to COVID 19 in pregnancy”

ISNCON 2021

3. Dr Mathini, presented posters on “Study of SLE patients with biopsy proven Lupus Nephritis- Clinical profile outcome after covid 19 disease” and “A case of Hydatid cyst disease in Renal transplant recipients”.
4. Dr Prasanna, presented posters on “AKI secondary to Rhabdomyolysis in COVID 19” and “Water drinking practices in ADPKD-A questionnaire based study”.

20.4 Publications

1. Alekhya B N, Varalakshmi B, Lakshmi B S, Manuel MB, Amarendra M R, Naveen K, Sameera N S, Sunnesh A, Ram R, Kumar V S. Water drinking practices in adpkd patients: A questionnaire based study. Indian J Nephrol [Epub ahead of print] [cited 2021 Jul 6].
2. Muthina RA, Koppara NK, Bethasaida Manuel M, Bommu AN, Anapalli SR, BojuSL, Rapur R, Vishnubotla SK. Cerebral abscess and calvarial osteomyelitis caused by Burkholderiapseudomallei in a renal transplant recipient. Transpl Infect Dis. 2021Apr;23(2):e13530. doi: 10.1111/tid.13530. Epub 2021 Jan 25. PMID: 33248011.

21.0 DEPARTMENT OF NEUROLOGY

Senior Professor and HOD

Dr B. Vengamma

Faculty

Dr R. Nandhagopal

Dr M. K. Usha

Dr S. Venkata Naveen Prasad

Dr G. Sateesh

Senior Residents

Dr K. Srikanth

Dr Y. Raghu Nandini

Dr A. Yamini

Dr S.K. Abdul Hakeem

Dr A. Sunitha

Dr P. Phani Kumar

Dr K. Sai Arun

Dr S. Srija

21.1 Awards

1. Dr B. Vengamma, Senior Professor & Head, received **“Heartful Professor Award”** from Heartfulness Education trust Kanha santhivanam India on 13th January 2021.

Achievement and felicitations

2. Dr B. Vengamma, Senior Professor & Head and Dr Nandhagopal: Guided the DM (PG) resident doctors in the study conceptualisation, provision of intellectual inputs and preparation of the different conference abstracts (as listed below) in the different Neurological conferences/meetings (mentioned below)
3. Dr S.V. Naveen Prasad, Associate Professor, won **Master piece award** for the best paper presentation in stroke category, titled “A study of pattern of acute information and angiographic findings in Takayasu arteritis ; a single centre experience from south India” in Asian Ocean Congress of Neurology held by AOCN during Taiwan, April, 2021.

21.2 Poster Presentation

International:

Dr S.V. Naveen Prasad, Associate Professor, presented by posters on

1. “Charcot Marie -Tooth disease (CMT 4A): First genetically confirmed case from india”. Monsoon Summit International Neurology Update in August 2021.
2. “Corpus callosal infarction presenting as Allen hand syndrome. A case report from south India” World Stroke Congress in October, 2021.

National:

Postgraduate students pursuing DM (Neurology) presented the following posters at IANCON on 14th November 2021

1. Dr A. Yamini. “A case of Neurological disorder in the early after math of covishield vaccination”.
2. Dr P. Phani Kumar. “Phenotypic heterogeneity of child hood adrenoleukodystrophy - SVIMS Experience”.
3. Dr Y.Raghu Nandini. “Spectrum of neurological manifestation of ataxia telangectasia”.

AP NEUROCON on 25th December 2021.

1. Dr A. Yamini. “A case of genetically conformed myotonia congenita” .
2. Dr P.Phani Kumar. “A case of chronic poly neuropathy mimicking CIDP – Araidite poisoning”.

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3. Dr Y.Raghu Nandini. “Accidental inhalation of fenpyroximate exposure with acute neurotoxicity”.

21.3 Research Projects

Ongoing Research Projects

1. **Co investigator:** Dr B. Vengamma, Senior Professor & Head, **Title:** Evaluation of the sensitivity and specificity of a rapid antigen-based point-of-care test for early detection of SARS-CoV-2 antigen.
2. **Co investigator:** Dr B. Vengamma, Senior Professor & Head, **Title:** Detection of COVID-19 variants in clinically suspected patients attending SVIMS hospital
3. **Principle investigator:** Dr S.V. Naveen Prasad, **Title:** HTA implementation of hospital – based stroke registries across the different regions of India SVIMS Tirupati. Funding agency: ICMR – NCDIR Project.

1. Research Work

Thesis work

Dr. B. Vengamma, Senior Professor & Head is guide for the following DM students and Dr. R. Nandhagopal . DM ; Professor Department of Neurology had corrected the following thesis of DM (PG) Residents (mentioned below) and provided intellectual input and fine tuned the scientific contents for clarity, thought flow and relevance.

Thesis submitted

1. Sunitha A. A study of Neuromyelitis optica spectrum disorders in tertiary care centre in South India (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Sateesh G. A prospective study of clinical profile and outcome of patients with acute ischemic stroke receiving intra venous thrombolysis (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. Srikanth K. A clinical study on the utility of nerve biopsy in peripheral neuropathy (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work:

1. Yamini A. A study of clinical electrophysiological and serological profile and short term outcome of acquired myasthenia gravis SVIMS experience (DM Thesis).
2. Phani Kumar P. A study of etiology and clinical profile of new onset seizure in adults in a tertiary care hospital (DM Thesis).
3. Raghu Nandini Y. A comparative study of stroke in predialysis CKD and non CKD patients (DM Thesis).

2. Conferences attended

International:

1. Dr B. Vengamma, Senior Professor & Head attended
 - Asian Ocean Congress of Neurology (AOCN), TICC Taipei Taiwan during 1-4 April, 2021.
 - 13th World Stroke Congress, 28-29th October, 2021 virtual
2. Dr Nandhagopal, Professor attended MDS Congress 2021 from September 17-22, 2021
3. Dr S.V. Naveen Prasad, Associate Professor attended World Stroke Congress, during October, 2021.
4. Dr S.V. Naveen Prasad, Associate Professor attended
 - Canadian Stroke Consortium Residents stroke review course during March 12 -13, 2021.
 - Asian Ocean Congress of Neurology AOCN, during Taiwan, April, 2021.
 - Calgary Stroke Distance Learning programme (CASTLE) 2021

National:

1. Dr. B. Vengamma, Senior Professor & Head, attended
 - XIV Indian National Stroke Conference (Virtual). 19th – 21st March 2021
 - XXVIII Annual Conference of Andhra Pradesh Neuroscientists Association, APNEUROCON 2021, 27th & 28th November 2021, ASRAM Medical Collage, Eluru

- **28th annual conference of Indian Academy of neurology IANCON 2020-21 as Hybrid Conference (Virtual and In-person) from 11 to 14 November 2021 at Clarks Exotica Resort, Bengaluru.**
- 11th Annual International Conference of Clinical Neurology SHINE 2021 3rd- 5th December 2021 organized by Institute of Neurology, Chennai
- 2. Dr S.V. Naveen Prasad, DM (Associate Professor) attended
- Video EEG certificate course Indian epilepsy society during January - August, 2021.
- Indian National stroke conference (INSC), during at March 19 -21 / 2021.
- KAN MANSOON SUMMIT, during August, 2021.
- Stroke summer School. during August, 2021.
- 4. **“Implementation of a Covid 19 vaccine educational campaign: Challenges and solutions Vaccine hesitancy” during the seminar on COVID 19 VACCINATION: SHIFTING INTO OVERDRIVE at 10th session of SBV CONNEcT** organized by Sri Balaji Vidyapeeth (SBV) Deemed-to-be-University, Pondicherry, **on 17th March 2021**
- 5. “Surviving Covid 19 Do’s and Don’ts” at Awareness webinars series on Contours of Covid 19 Pandemic –Management and Innovative Strategies organized by Sri Padmavathi Mahila visvavidyalayam, Tirupati on 29th May 2021
- 6. “Mucar Mycosis 10 Commandments” in the seminar on Update on Multidisciplinary approach to Mucar mycosis organized by District health department of chittoor for Primary care physicians at PHCs on 6th June 2021.
- 7. “Maintaining essential health services during COVID-19: Challenges faced” at 13th session of SBV CONNEcT Webinar session on maintenance of essential non - COVID health services during the COVID 19 Pandemic organised by Sri Balaji Vidyapeeth (SBV) Deemed-to-be-University, Pondicherry, **on 16th June 2021.**
- 8. “Post covid and long term complications of Covid” on 1st July 2021 organised by department of management studies, Ramaiah collage of Arts and sciences Bengaluru
- 9. “Need for Women Empowerment” at 16th session of SBV Connect on the webinar “Women Empowerment” organised by Sri Balaji Vidyapeeth (SBV) Deemed-to-be-University, Pondicherry, on 15 Sept 2021
- 10. “Epilepsy Diagnosis” at workshop on epilepsy for physicians organised by Epilepsy Foundation of India, Mumbai (Associate Chapter of IBE) in association with National Health mission Govt of Maharastra on 18th November 2021.
- 11. “Neurological Manifestations of COVID” **at 11th Conference (Virtual) “International Conference on COVID-19” on 28.11.2021 with “Theme: Recent advances & trends in “COVID-19” Special focus on Diagnostic Challenges- Therapeutics – Acute and**

21.6 Guest Lectures delivered

National:

Dr B. Vengamma, Senior Professor & Head has delivered lectures on

1. “Epilepsy – Diagnosis and management” on the occasion of International Epilepsy Day 2021 at SVIMS-SPMCW Medical Collage for women on 8th February 2021(hybrid)
2. “History of Women scientists and medical Doctors” on the occasion of International year of women and girls in Science 2021 at SVIMS-SPMCW Medical Collage for women on 11th February 2021(hybrid).
3. “Neurological disorders in Women” in “seminar in Neuroscience” orgnaised by S.V.Medical Collage Alumni Association(SVMCAA) Tirupati on the occasion of SVMCAA Golden Jubilee and S.V.Medical collage tirupati Diamond Jubilee celebrations on 21st February 2021 organised for doctors from both states of Andhra Pradesh and Telangana at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar reddy Building, SVMC Alumni Association Golden Jubilee Knowledge Home SVMC Campus.

long Covid – Pediatric – Respiratory – Gastric – Cardiac - Neurological and other manifestations and its management “organized by S.V. Medical College Alumni Association (SVMCAA) (SVMCAA Golden Jubilee Celebrations, Tirupati), in collaboration with Indian Medical Association, TIRUPATI, (Celebrating 40 years in Medical Service) Sri Venkateswara Medical College, Tirupati & Sri Venkateswara Institute Of Medical Sciences (SVIMS - University, Tirupati).

12. “Overview on Authorship, Copyright and Ethical issues” as part of certificate course (INSPIRE 2021) jointly organized by Sri Balaji Vidya Peeth (SBV) and Indian Association of Tropical Parasitology (IATP) on 9th December 2021.
13. “Management of Epilepsy in Eldely” at Gericon 2021 on 18th & 19th December, organised by division of Geriatric medicine ,Dept of Internal Medicine MGM medical Collage Warangal Telangana state

21.7 Publications

Publications non indexed journal:

1. Al-Senani M, Al-Salti A, Nandhagopal R et al. Epidemiology of multiple sclerosis in the Sultanate of Oman: A hospital based study. Mult Scler Relat Disord. 2021 Aug;53:103034
2. Naveen Prasad SV, Vengamma B, Krishnasai Reddy O, Bhagyalakshmi G, Lahari Reddy K, Chamundeswari G “Stroke awareness : Knowledge, attitude and health seeking behaviour of rural population attending a tertiary care hospital “ WJPR2021;10(3):1653-1663.
3. Vengamma B, and P. Srinivasa Rao. “The Journal of Clinical and Scientific Research: The first decade!” Journal of Clinical and Scientific Research, vol. 10, no. 1, Jan.-Mar. 2021, p. 1
4. Usha Chowdary M.K, Naveen Prasad S.V, Satish Gudla, Vengamma Bhuma :Imaging of Dentate Nucleus Pathologies: A Case Series · J Neurosci Rural Pract 2022; 13(01): 146-150 DOI: 10.1055/s-0041-1740611

Book Chapters

- 1 **Vengamma B.** Patient with Altered sensorium: Evaluation and management for the book Postgraduate Medicine 2021 Jaypee Brothers, Medical Publishers

21.8 CMEs Seminars/Workshops/Orations conducted by the Department

1. Organised International Epilepsy Day 2021 on 2nd Monday of February (8th Feb 2021) at SVIMS and Sri Padmavathi collage of women with million steps walkathan and CME on diagnosis of epilepsy to medical students.
2. World stroke day celebrations 2021 29th oct – Conducted Quiz for MBBS students and Stroke orientation lecture for SVIMS faculty, students and employees.

21.9 Other academic activities significance.

1. Dr S.V. Naveen Prasad / Associate Professor chaired session on “A case of hereditary neuropathy” organized by Indian Association Pediatrics, AP state Chapter. Oct 21 2021

22.0 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.V. Ramesh Chandra
Dr. Murali Mohana Krishna
Dr. Hanuma Naik Banavath

MCh PG Senior Residents

Dr K Chandra Sekhar Reddy
Dr Praveen Y
Dr Bharat

Dr K Shiva Kumar Reddy
Dr Venkatesh Kharalkar

22.1 Awards, achievements and felicitations

1. **Dr BCM Prasad, Dr Ramesh Chandra VV, Dr K Venkat, Dr T Goutham Hanu**, were awarded Dr Subhashini and Dr Kamalakar Reddy Endowment Award for the **Best Original Article** published in 2020 for the paper - “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. at SVIMS, Tirupati on 26 February 2021.
2. **Dr K Venkat**, was received **Best paper** presentation in APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.
3. **Dr K Venkat**, was received WFNS **Best video presentation** of a surgical technique on Management of complex ACOM Aneurysms in APNEUROCON 2021 held at Asram Medical College, Eluru during 27th-28th November 2021.
4. **Dr Mohana Murali Krishna N** was awarded Best paper presentation in APNEUROCON 2021 held at Asram Medical College, Eluru during 27th-28th November 2021.

22.2 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.
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.
3. **Principal Investigator:** Dr VV Ramesh Chandra. **Title:** A Study Of Highly Sensitive –C Reactive Protein And Serum Homocysteine Levels In Patients With Intracranial Aneurysm Patients. **Funding agency:** SBAVP.
4. **Principal Investigator:** Dr VV Ramesh Chandra, **Title:** A Study To Correlate The Microsurgical Anatomy Of Intracranial Aneurysms With Highly Sensitive –C Reactive Protein And Serum Homocysteine Levels. **Funding agency:** SBAVP.
5. **Principal Investigator:** Dr VV Ramesh Chandra **Title:** A study of utility of video-ICG in patients with cerebral aneurysm. **Funding agency:** SBAVP.

6. **Principal Investigator:** Dr VV Ramesh Chandra
Title: Navigation Assisted Placement Of Pedicle Screws In Sub Axial Cervical Spine- A Prospective Analysis In 30 Patients. Year of beginning: 2021, **Funding agency:** SBAVP.
7. **Principal Investigator:** Dr VV Ramesh Chandra
Title: An Evaluation of accuracy of placement of lumbar interbody Cages using navigation in Comparison to that without navigation. **Funding agency:** SBAVP.
8. **Principal Investigator:** Dr VV Ramesh Chandra
Title: Comparison Of Navigated And Non Navigated Technique Placement Of Pedicle Screws In Minimally Invasive Spine Fixation. **Funding agency:** SBAVP.
9. **Principal Investigator:** Dr VV Ramesh Chandra
Title: A Prospective Study Of Clinical And Radiological Outcomes Following Neuro-Navigation Assisted Minimally Invasive Approach To Deep Seated Brain Tumors. **Funding agency:** SBAVP.
10. **Principal Investigator:** Dr VV Ramesh Chandra
Title: A Comparative Study Of Neuronavigation Assisted Trajectory Planning For Deep Brain Biopsy With Susceptibility-Weighted Imaging And T1W Contrast Imaging. **Funding agency:** SBAVP.
11. **Principal Investigator:** Dr VV Ramesh Chandra
Title: A Study Of Clinical And Radiological Predictors Of Ease Of Surgery In Interlaminar Endoscopy **Funding agency:** SBAVP.
12. **Principal Investigator:** Dr VV Ramesh Chandra
Title: Study of the outcomes of Inter laminar endoscopy for Lumbar canal stenosis - Analysis of predictors of poor outcome. **Funding agency:** SBAVP
13. **Principal Investigator:** Dr VV Ramesh Chandra
Title: Comparative Study Of Microsurgical Lumbar Discectomy (Mld) And Percutaneous Endoscopic Lumbar Discectomy (Peld) Based On Clinical Outcome, Muscle Injury Markers And Imaging Changes. **Funding agency:** SBAVP.
14. **Principal Investigator:** Dr VV Ramesh Chandra
Title: Utility Of Spinal Endoscopy In Cervical Canal

Stenosis - Analysis In 15 Patients. **Funding agency:** SBAVP

22.3 Research work

Thesis work

Theses submitted

1. Dr Sreeram Gokanapudi - Root cause analysis of patients with road traffic accidents with head injury attending a tertiary care hospital at Tirupati (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. 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 (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. Dr Hanuma Naik Banavath - A Prospective study of clinical and radiological outcomes with cisternostomy in the management of traumatic brain injury (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work:

1. Dr Shiva Kumar Reddy - Correlation of imaging findings and ease of resectability in intracranial meningiomas (MCh Thesis).
2. 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(MCh Thesis).
3. Dr Y Praveen: Clinical And Radiological Predictors Of Poor Outcome In Patients Undergoing Oblique Lumbar Interbody Fusion For Lumbar Spondylolisthesis(MCh Thesis).
4. Dr Venkatesh V K: A Comparative Analysis Of The Outcome Of Two Surgical Procedures For Vestibular Schwannoma Excision - Extra Capsular Approach Without Neuro Monitoring And Excision With Intra Operative Neuro Monitoring (MCh Thesis).
5. Dr Bharath A: Outcomes in patients undergoing Lateral mass cage placement for CVJ anomalies –

A Clinical and Radiological Observational study (MCh Thesis).

22.4 Conferences attended, lectures delivered

1. **Dr B C M Prasad**, has

- Gave a talk on Surgical aspects of CP angle tumours at Brain - CP angle tumour - symposium webinar organised by Mamata Educational society, Khammam Telangana on 12th June 2021
- Gave a talk “Trends in Pituitary surgery” at SVMC Diamond Jubilee celebrations for Seminar on Neuroscience on 21st February 2021.
- Attended 69th Annual conference of Neurological society of India NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021.

2. **Dr V V Ramesh Chandra** has

- Delivered lectures on “Surgical principles of reduction techniques: Maneuvers and osteotomies” A panelist for discussion on “OLIF” in the SGPGIMS COMPREHENSIVE SPINE COURSE 2021, Advanced spine course conducted on virtual basis on 9th May 2021 at SGPGI Lucknow..
- Delivered lectures on “Approaches to Posterior Circulation Aneurysms” and “Cardiac standstill in aneurysm surgery” in the 21st Annual Conference of cerebrovascular society of India, NEUROVASCON 2021 conducted by the Department of Neurosurgery, PGIMER Chandigarh, on 25th and 26th September 2021.
- Delivered lecture on “Principles of Deformity correction” MISSAB (Minimally invasive Spine Surgeons Association of Bharat) Surgical Symposium, 9th and 10th April 2021.
- A expert panelist in the “Management and surgical principles in MIS surgery – VIPER PRIME system” Conducted by Jhonson-Jhonson and DePuy Synthes on 4th December 2021.
- Attended Seminar on Neuroscience for SVMC Diamond Jubilee celebrations on 21st February 2021.

3. **Dr K Venkat** has

- Chaired a session in MISSAB 9th and 10th April 2021

- Attended Seminar on Neuroscience for SVMC Diamond Jubilee celebrations on 21st February 2021.
 - Attended SGPGIMS comprehensive spine course 2021, Theme: Surgical Anatomy and Technique (Virtual), Lucknow, on 8th and 9th May 2021
 - Participated as a delegate in 10th International Neurosurgery Update by World Federation of Skull Base Society (WFSBS) (Virtual) from 23rd to 25th July 2021.
 - Participated as a delegate in Virtual meeting of World Federation of Skull Base Societies’21 from 23rd to 25th July 2021.
- ### 4. **Dr Goutham Hanu**, has attended
- 23rd Annual Microneurosurgery hands-on Workshop from 18th – 20th March 2021, conducted at SET facility, Convergence block, AIIMS, New Delhi.
 - MISSAB (Minimally invasive Spine Surgeons Association of Bharat) Surgical Symposium, 9th and 10th April 2021
 - SGPGIMS comprehensive spine course 2021, Theme: Surgical Anatomy and Technique (Virtual), Lucknow, on 8th and 9th May 2021.
 - 10th International Neurosurgery Update by World Federation of Skull Base Society (WFSBS) (Virtual) from 23rd to 25th July 2021.
 - Virtual meeting of World Federation of Skull Base Societies’21 from 23rd to 25th July 2021.
 - 29th Annual conference of Neurotrauma society of India NEURO TRAUMA 2021 (Virtual) Theme: Advances and Opportunities in the management of Neurotrauma. Conducted at Madurai on 27th and 28th of August 2021.
 - Participated online in 12th WFNS Neurosurgical Anatomy Webinar conducted by WFNS Neuroanatomy Committee Topic: Neuroanatomy, honoring the legendary Prof. Albert Rhoton Jr. on 14th – 15th September 2021.
 - 28th Annual conference of Andhra Pradesh Neuroscientists Association APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.

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- Seminar on Neuroscience for SVMC Diamond Jubilee celebrations on 21st February 2021.
 - 69th Annual conference of Neurological society of India NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021.
5. **Dr Mohana Murali krishna** attended
- 28th Annual conference of Andhra Pradesh Neuroscientists Association APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.
 - Seminar on Neuroscience for SVMC Diamond Jubilee celebrations on 21st February 2021.
 - 69th Annual conference of Neurological society of India NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021
 - SGPGIMS comprehensive spine course 2021, Theme: Surgical Anatomy and Technique (Virtual), Lucknow, on 8th and 9th May 2021
6. **Dr Hanuma Naik** attended
- SGPGIMS comprehensive spine course 2021, Theme: Surgical Anatomy and Technique (Virtual), Lucknow, on 8th and 9th May 2021.
 - 28th Annual conference of Andhra Pradesh Neuroscientists Association APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.
 - Seminar on Neuroscience for SVMC Diamond Jubilee celebrations on 21st February 2021.
 - 69th Annual conference of Neurological society of India NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021.
7. **Dr Siva Kumar K, Dr Chandra Sekharn, Dr Venkatesh K V, Dr Praveen Y, Dr Shiva Kumar,** were attended 28th Annual conference of Andhra Pradesh Neuroscientists Association APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.
8. **Dr Chandra Sekhar K, Dr Siva Kumar K** were attended Shine 2021, Chennai on 3rd, 4th and 5th December 2021.

9. **Dr Siva Kumar, Dr Chandra Sekhar, Dr Praveen Y, Dr Venkatesh V K** were attended 69th Annual conference of Neurological society of India NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021.

21.8 Presentations by Faculty:

MISSAB (Minimally invasive Spine Surgeons Association of Bharat) Surgical Symposium during 9-10 April 2021

1. **Dr K Venkat** has presented a paper on Minimally invasive X tube assisted key hole approach for removal of intradural extra medullary tumours.
2. **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”.

APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021.

1. **Dr K Venkat** has presented papers on “Role of surgery in Intracranial Tuberculoma and proposal of a novel diagnostic criteria- (SVIMS criteria)”, “Surgical management of mucormycosis in post COVID” and a video presentation on “Surgical technique on management of complex Acom Aneurysm
2. **Dr Mohana Murali Krishna N**, has presented a paper on factors predicting poor surgical outcome inpatients with thoracic ossified ligamentum flavum – analysis of 160 patients in a tertiary care hospital in South India.
3. **Dr Hanuma Naik B** presented “ACNS webinar on 29th december -. Topic: decompressive craniectomy vs cisternotomy: A randomised controlled trial

22.6 Presentations by Postgraduate Students:

APNEUROCON 2021 held at Asram Medical College, Eluru on 27th and 28th November 2021

1. Dr Kalakoti Chandra Sekhar Reddy, presented papers and poster Paper “27th: Skull base meningiomas an institutional review of

complications” and posters on “Skull base meningiomas an institutional review of complications”, “Out institutional management of cerebellar hemangioblastoma a case series of 20”, “Surgical preferences in colloid cyst a 40 case series” & “Management of cerebellar hemangioblastoma a case series”.

2. Dr Venkatesh KV, presented a paper on “Case series of craniopharyngioma resection in a tertiary care centre in south India” and poster on “Surgical management of the aneurysm of the internal carotid artery”.
3. Dr Praveen Y, presented posters on “Institutional experience in surgical management of intramedullary tumors” and “Institutional experience in management of arachnoid cyst”
4. **Dr Siva Kumar Reddy K** presented a paper on “Vertebral artery anomalies at craniovertebral junction visualized by 3-Dimensional computed tomographic angiography in Dr Siva Kumar Reddy K” and presented posters on “varied presentation

of schwannoma at a tertiary institute”, “Various presentation of calvarial lesions at a tertiary centre” and “Comparative study of post operative complications with U versus S shaped skin incisions in retro sigmoid approach at tertiary institute” at NSICON 2021 conducted at Kolkata (Virtual) from 10th – 12th December 2021

22.7 CMEs/Seminars/Workshops/Orations conducted by the Dept:

1. The 5th Srinivasa Oration was conducted on 26.10.2021 by the Department of Neurosurgery, SVIMS, Tirupati. Dr. Anil kumar Peethambaran Professor and HOD, Dept. of Neurosurgery, Government medical college, Thiruvananthapuram was the invited faculty.

22.8 CMEs/Seminars/Workshops attended

1. **Dr Goutham Hanu** attended 23rd Annual Microneurosurgery hands-on Workshop from 18th – 20th March 2021, conducted at SET facility, Convergence block, AIIMS, New Delhi.

23.0 DEPARTMENT OF NUCLEAR MEDICINE

Professor & Head

Dr. T.C. Kalawat

Faculty

Dr. R. Ramya Priya

Senior Residents

Dr. N. Ajit

D.S Hemalatha

Dr. K. Sai Krishnaja

Dr. T.M. Suma

MD PG Junior Residents

Dr. N.C. Valaiyapathy

Dr. K. Sankari

Dr. G. Surya Teja

Dr. P. Sireesha

23.1. Awards, Achievements and Felicitations:

1. **Dr. N.C. Valaiyapathy**, MD, Nuclear Medicine Resident was awarded **Best Paper award** for paper presentation in 13th Biennial conference of Nuclear cardiological Society of India (NCSI)- on “Utility of Adenosine stress induced ECG changes with ^{99m}Tc-MIBI Myocardial perfusion Scintigraphy in evaluation of Coronary Artery disease”.

23.2. Research work

Thesis work

Theses submitted:

1. Kommi Sankari. Utility of 18F-FDG PET/CT in the initial Staging and management of patients with Oesophageal Carcinoma (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences: 2021.
2. **Valaiyapathy** NC – “Utility of Adenosine Stress induced ECG changes while reading ^{99m}Tc-MIBI Myocardial Perfusion Scintigraphy in evaluation of Coronary Artery Disease.(MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences-2021.

Ongoing thesis work:

1. **Dr Surya Teja**. Utility of ^{99m}Tc-DTPA Orbital SPECT CT Scintigraphy over clinical activity score in diagnosis of Thyroid associated Orbitopathy in Graves Disease.(MD Thesis).
2. **Dr P.Sireesha**. Study of left ventricular function using radionuclide Ventriculography in patients with Type-II Diabetes mellitus”(MD Thesis).

23.3. Conferences attended, lectures delivered

Dr TC. Kalawat, attended Virtual conferences

1. Chaired a Session in Association of Nuclear Medicine Physicians of India, on 19th Sept. 2021 Annual Conference of Association of Nuclear Medicine Physicians- ANMPI CON-2021, organized by AIIMS, Bhubaneswar on 18th-19th September-2021.
2. Chaired a Session in Society of Nuclear Medicine, India, (SNMI) organized by NIMS, Hyderabad From 16th – 18th Dec.-2021
3. Chaired a Session in **CME programme** on Neuro-Inflammation, organized by Dr. Chandana, NIMHANS, Bangalore, on 31st October-2021.

4. Delivered a Guest lecture in 13th Biennial Conference of Nuclear Cardiological Society of India (NCSI) **Virtual Conference** on “Changing face of Nuclear Cardiology Beyond MPI” organized by Forts Escorts Heart Institute, Delhi during 2nd & 3rd October, 2021.

23.4 Presentations by post graduate students:

19th Annual Conference of Association of Nuclear Medicine Physicians of India (ANMPI 2021) held on **18th-19th September-2021** organized by AIIMS, Bhubaneswar, Orissa - **virtual conferences**:

1. Dr.G.SuryaTeja, presented a Poster on “A seldom presentation of Leptomeningeal metastasis in breast carcinoma detected by F-18 FDG PET-CT” in.

53rd Annual Conference Society of Nuclear Medicine, India, SNMI CON-2021:

2. Dr.K.Sankari, presented Oral presentation on “Role of 18F-FDG PET/CT in detection of dedifferentiated thyroid tissue in TENIS Patients: SVIMS experience” (SNMP 039) On 18-12-2021.
3. Dr. P. Sireesha, MD Nuclear Medicine PG attended, presented E-Poster titled: A rare case of ROSAI-DORFMAN disease with multiorgan involvement in F-18-FDG PET CT.
4. Dr. N.C. Valaiyapathy, MD, Nuclear Medicine Resident presented a paper in 13th Biennial conference of Nuclear cardiological Society of India (NCSI) on “Utility of Adenosine stress induced ECG changes with ^{99m}Tc-MIBI Myocardial perfusion Scintigraphy in evaluation of Coronary Artery disease (awarded **Best paper award**).

All Postgraduate students have attended the following conferences in **Virtual mode**:

1. 19th Annual Conference of Association of Nuclear Medicine Physicians of India (ANMPI-2021) held on **18th-19th September-2021**, organized by AIIMS, Bhubaneswar, Orissa.
2. 13th Biennial Conference of Nuclear Cardiological Society of India (NCSI) organized by Forts Escorts Heart Institute, Delhi during 2nd & 3rd October, 2021

3. 53rd Annual Conference Society of Nuclear Medicine, India, **SNMI CON-2021** organized by NIMS, Hyderabad From 16th – 18th Dec.-2021

23.5. Publications

Dr.TC. Kalawat, Professor & HoD:

1. Reddy S CT, Jeepalem SM, Manthri R, Kalawat T, Reddy V V, Hulikal N, Devi B VL. Utility of 18F-FDG PET/CT in Management of Pancreatic and Periapillary Masses—Prospective Study from a Tertiary Care Center. Ind J Surg Oncol. 2021;23:1-1.
2. Vanajakshamma V, Latheef K, Reddy PM, Anusha ND, Rajasekhar D, Prayaga A, Kalawat T. General health check up of employees aged? 40 years at a tertiary care hospital for their health status and to diagnose their health problems. J ClinSci Res. 2021;10(1).
3. Kommireddy S, Manthri R, Reddy SA, Ravisankar D, Kalawat T. Clinical utility of 18 fluorodeoxyglucose positron emission tomography-computed tomography in rheumatology. J ClinSci Res. 2021;10:97-102
4. K. B. Sricharan¹, Rayudu Amrutha Lakshmi¹, V. S. Krishna Mohan¹, Gali Sai Chandana², Ranadheer Manthri Gupta¹, Mutheeswaraiiah Yootla³, Tekchand Kalawat¹ et al. A case of predominantly chief cell parathyroid adenoma showing early washout of ^{99m}Tc MIBI detected by single-photon emission computerized tomography-computed tomography (SPECT-CT). J ClinSci Res 2021;10:118-21.
5. Guleria M, Amirdhanayagam J, Sarma HD, Rallapeta RP, Krishnamohan VS, Nimmagadda A, Ravi P, Patri S, Kalawat T, Das T. Preparation of ¹⁷⁷Lu-PSMA-617 in Hospital Radiopharmacy: Convenient Formulation of a Clinical Dose Using a Single-Vial Freeze-Dried PSMA-617 Kit Developed In-House. Biomed Res Int. 2021;20:2021.
6. Valaiyapathy NC, Mohan VS, Priya RR, Sarala S, Bhargavi D, Chandra VR, Kalawat TC. F-18 fluorodeoxyglucose positron emission tomography computed tomography findings in an interesting case of primary caudaequina lymphoma with literature review. Ind J Nucl Med. 2021;36(4):425.

7. Kommi S, Ajit N, Sricharan KB, Priya RR, Mohan VK, Kalawat T. An uncommon presentation of extrapulmonary tuberculosis masquerading as ovarian malignancy in a young female. Ind J Nucl Med. 2021;36(4):437.

Dr R. Ramyapriya, Associated Professor:

1. Guleria M, Amirdhanayagam J, Sarma HD, Rallapeta RP, Krishnamohan VS, Nimmagadda A, Ravi P, Patri S, Kalawat T, Das T. Preparation of ¹⁷⁷Lu-PSMA-617 in Hospital Radiopharmacy: Convenient Formulation of a Clinical Dose Using a Single-Vial Freeze-Dried PSMA-617 Kit Developed In-House. Biomed Res Int. 2021;20;2021.
2. Valaiyapathy NC, Mohan VS, Priya RR, Sarala S, Bhargavi D, Chandra VR, Kalawat TC. F-18 fluorodeoxyglucose positron emission tomography computed tomography findings in an interesting case of primary caudaequina lymphoma with literature review. Ind J Nucl Med. 2021;36(4):425.
3. Kommi S, Ajit N, Sricharan KB, Priya RR, Mohan VK, Kalawat T. An uncommon presentation of extrapulmonary tuberculosis masquerading as ovarian malignancy in a young female. Ind J Nucl Med. 2021;36(4):437.

23.6 CMEs/Seminars/Workshops/Orations conducted by the Dept.

A joint **CME** was conducted by Dept. of Radiology and Dept. of Nuclear Medicine on the theme: “Imaging in Parkinsonian Syndrome”, on 04-12-2021. In this CME programme Lectures were delivered by Dr A.Y. Lakshmi, Professor, Dept. of Radiology, SVIMS on “Structural Imaging in Parkinsonian Syndrome” and Dr. S.Sarala, Professor, Dept. of Radiology, SVIMS delivered a lecture on “Imaging the substantia nigra in Parkinsonian Syndrome” followed by Dr N.Ajit, Senior Resident, Dept. of Nuclear Medicine, SVIMS delivered a lecture on “Role of Nuclear Medicine in Parkinsonian Syndrome”.

23.7 Other academic activities of significance

- Dr T.C. Kalawat, attended as External Examiner for Practical Exams of MD, Nuclear Medicine students of JIPMER, Pondicherry December, 2021 and also DNB Nuclear Medicine External Examiner, AIIMS, New Delhi during December-2021.
- A.Sailaja, Radiopharmacist, Participated in SNMI international annual conference.

24.0 DEPARTMENT OF OBG

Assoc. Professor & HoD i/c

Dr Malathi J

Faculty

Dr Akila B

Dr Mrudula Chelamkuri

Dr M.Usha Brindhini

Dr Ganesh Kumar K.R.

Dr Shruti Bhatia

24.1 Awards, Achievements and felicitations

1. Dr Malathi J, Associate Professor received achievement in **IOTA Certification** Course.
2. Dr Akila B, Assistant Professor received achievement in Conference:IAGE, Pride-III conference on them 'PCOS & Fertility' enhancing surgeries during 18-19 September 2021 as faculty. IOTA Certification Course.
3. Dr Usha Brindhini M, Assistant Professor attended
 - "National Conferences on Hematology" in August -2021.

- Conferences on Reproductive Medicine & Surgery on September-2021.
- Obtained additional degree of DNB in Obstetrics & Gynaecology in 2021.

24.2 . Publications

1. Dr Meghana Puttaswamy, Usha Brindhini Mathialagan, Ramesh Kumar, Rathnamala Desai, study of Serum B-hcg and Lipid Profile in second trimester as Predictors of Pre-eclampsia in a Tertiary Care Teaching hospital, J.Res.Med Dent sci, 2021, 9(7):432-5.

25.0 DEPARTMENT OF OPHTHALMOLOGY

Faculty

Dr Krishna Murthy

Dr P.PrabhanjanKumar

Dr G.RamaChandraiah

25.1 Publications

1. Vrij Bhushan, P.Prabhanjan Kumar, PriyadarshiniRangari Assessment and Alterations in Retinal nerve Fiber Layer Thickness before and following Glaucoma Filtration Surgery Using Optical Coherence Tomography: A Clinical Study. Internation Journal of Health and Clinical Research 2021;4: 61-3.

25.2 CMEs/Seminars/ Workshops attended

1. Dr P.Prabhanjan Kumar attended RBCW workshop conducted by Medical Education Unit SVIMS during

29th September, 30th September and 1st October 2021 at Sri Padmavathi Medical College for Women, SVIMS.

2. Dr G.RamaChandraiah attended CMES Oral cancess by Dr.ANIL.K during 16 September 2021 at SVIMS.

25.3 Other activities:

1. Dr P.Prabhanjan Kumar attended for Final M.B.B.S part-I Ophthalmology examination at KAPV Medical College, Trichy during 13th-17th September 2021 as External Examiner.

26.0 DEPARTMENT OF OTORHINOLARYNGOLOGY

Associate Professor & Ho Di/c

Dr.S.B.Amarnath

Faculty

Dr P.BhanuPradeep

Dr Prerana Anthwal

Dr Prajakta Vinayak Bhalerao

26.1. Fellowship received

1. Dr S.B.Amarnath, Associate Professor, Department of ENT, participated & received certificate in “the certificate course in Juvenile Nasopharyngeal Angiofibroma Surgery workshop” during 11th & 12th November 2021 at Institute of Medical and Minimal Access Surgery Training at Mumbai

26.2 Conference attended, Lectures delivered

National

1. Dr S.B.Amarnath, attended as Guest faculty and delivered lecture on “Basic Anatomy of Skull Base” in Entire PG Academic-03 during 18 & 19 December 2021 at Narayana Medical College, Nellore

26.3 CMEs/Seminars/ Workshopsattended-

1. Dr S.B.Amarnath, attended workshop on “The Certificate Course in Juvenile Nasopharyngeal Angiofibroma Surgery workshop” during 11th & 12th November 2021 at Institute of Medical and Minimal Access Surgery Training at Mumbai.

26.4 Other academic activities

1. Dr S.B.Amarnath attended for Final M.B.B.S part-I ENT examination at Chittoor Apollo Institute of Medical Sciences during 16th April to 21 April 2021 as External Examiner

27.0 DEPARTMENT OF PAEDIATRICS

Associate Professor & Ho Di/c

Dr N.PunithPatak

Faculty

Dr Vamsi Krishna

Dr Shanmugam Billu

27.1. Other activities:

1. Dr N.PunithPatak, Associate Professor, attended as External examiner for Final Post Graduate Paediatrics examination at SVRRGH, Tirupati during 20th-22th October 2020.

28.0 DEPARTMENT OF PATHOLOGY

Professor & Head

Dr N.Rukmangadha

Faculty

Dr.Aruna Kumari Prayaga

Dr.V.SivaKumar

Dr B.V.Phaneendra

Dr.B.Deepthi

Dr A.Sreelekha

Dr.M.Alekhyia

Dr. B.Suguna

Senior Residents

Dr. G. Swyriatha

Dr.Varaprasad K.G.

Junior Residents

Dr.Gopinath Reddy. V

Dr.R.Thenmozhi

Dr.B.Swathi

Dr.G.Radha Bai

28.1. Awards, achievements and felicitations.

1. **Dr Aruna Kurmari Prayaga**, attended as member co-ordinator NAAC peer time 27th -29th February, 2021.

28.2. Fellowships received

1. **DrBadiginchala Suguna**, Assistant professor, Dept of pathology Completed Fellowship in Oncopathology at Amrita Institute of Medical Sciences & Research Centre (AIMS), KOCHI, Kerala during March 2020 – July 2021.

28.3. Research Projects

Ongoing research projects

1. **Principal Investigator:** Dr N. Rukmangadha, **Title:** Study of Extra-nodal Non-Hodgkin's lymphomas using Immunohistochemistry-A retrospective study in a tertiary care center. Submitted for publication under review.
2. **Principal Investigator:** Dr N. Rukmangadha, **Title:** Intra-operative frozen section in the diagnosis of

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ovarian neoplasms-An oncology centre experience. Submitted for publication under review.

3. **Principal Investigator:** Dr B. Deepthi, **Title:** Study of Assesment of Venous Invasion in Colorectal carcinoma using Elastin stain A sample technique to delect an under reported yet important prognosticator.
4. **Principal Investigator:** Dr Alekhy M, **Title:**“DBT-NIDAN Kendra at SVIMS submitted to Department for financial support under DBT UMMID.
5. **Principal investigator:** Dr V.Siva Kumar, **Title:** Study of tumour budding as histopathological marker and prognostic tool in gastric carcinomas.
6. **Principal investigator:** Dr B.Suguna, **Title:** Comparison Of Tumor Infiltrating Lymphocytes Density with Histopathological Diagnostic parameters in oral Squamous cell carcinomas.

28.4. Research work

Theses submitted

1. Swathi B. Study of Immunoexpression of Bcl-2, CyclinD1, Ki-67 and P53 in Oral Sqaumous cell carcinoma (MD Thesis). Tirupati. Sri venkateswara Institute of Medical sciences; 2021.
2. 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 Thesis). Tirupati. Sri venkateswara Institute of Medical sciences; December-2021.

Ongoing thesis work:

1. Thenmozi. Utility of CD24 IHC expression in Urothelial carcinoma of bladder (MD Thesis).
2. Radha Bai. Evaluation of megakaryocytic morphology in bone marrow aspiration and biopsy and it is association with platelet parameters and degree of bone marrow fibrosis in Myeloprolifertative Neoplasam (MD Thesis).

28.5. Conference attended, lectures delivered

1. **Dr V. Shanthi**, attended National conference on WHO classification of tumors – updates in Genitourinary system 2021. Organized on 30th October, 2021 by Department of Pathology & Medical Education Unit of Balaji Medical College & Hospital Chennai.
2. **Dr Sreelekha. A**, attended 69th APCON Conference held on dates December 1st -5th 2021.
3. **Dr B. Suguna**: attended “Creed doesn’t always establish Reed – A lesson learnt in perception of deception” presented in IAPM KERALA conference 86th chapter held in March 2021.
4. **Dr B. Suguna**: Completed the Certificate course of study for “Flow Cytometry” between September 2021 to November 2021.

28.6. Presentations by postgraduate students

1. **Dr B. Swathi**, attended 48th Annual conference of KCIAPM, KAPCON 2021 and presented on oral paper titled Clinicopathological “Evaluation of Appendiceal Mucinous Tumors in a single tertiary care centre” held online from 1 to 3 October, 2021.
2. **Dr Gopinath Reddy**, attended 39th Annual National CME Virtual Jmmc and presented an Oral paper titled “Study of molecular classification of breast carcinomas using IHC – A retrospective study in a tertiary care centre” during 24-26 June 2021.
3. **Dr R. Thenmozhi, Dr Radha Bai** have attended KAPCON – 2021 “Rare case presentation – metastatic Renal cell carcinoma” and PESCOME – 2021 – “Sinonasal Teratocarcinosarcoma – A rare case report”.

28.7 Publications

Accepted for publication

1. Rukmangadha N. Udyagiri .D, Aruna k. Prayaga, V. Venkat, R.Reddy, Amit K.Chowhan, B.V. Phaneendra. Differential expression of CK7, CK20, CDX2 in intestinal and pancreaticobiliary types of preampullary carcinoma UPM_1440_20R4_OA.

Case report:

1. **Shanth Vissa**, N. Rukmangadha, Aruna K. Prayaga, Venkatarami Reddy, B, Swathi . enlargina retroperitoneal mass after chemotherapy in Mixed Germ Cell tumor of Testis. Growing teratoma syndrome. Sandi journal of pathology & Microbiology July 2021, 6(7) : 254-257.

28.8 CMEs/Seminars/Workshops/Orations conducted by the Dept.

1. **Dr Aruna K prayaga**- Organized a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

28.9. CMEs / Seminars/Workshops attended

Dr N. Rukmangadha attended

- **VIRTUAL MID-TERM CME 2021 -19.09.2021** Indian Association of Pathologists & Microbiologists AP State Chapter, organized by Dept. of pathology, PES Institute of Medical Sciences & Research Kuppam 517425, Chittoor Dist, Andhra Pradesh.
- 6th interstate seminar “seminar on oncology” conducted by S.V.Medical college Alumni Association, held on 27-06-2021 at SVMC, Tirupati, Chittoor District, Andhra Pradesh.
- Guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr B.Deepthi, attended

- 84th National Course on education science for Teachers of Health professionals at JIPMER, Puducherry from 22.2.2021 to 5.3.2021.
- International Congress on Oral pathology & Oral Medians (online) on Wednesday 23rd June, 2021.
- “Virtual CME on Gastrointestinal pathology” on 28th August, 2021.
- CME on “Breast Cancer’ Core Issues” held on 13th November, 2021, for which Karnataka Medical Council granted One credit hour. Conducted by A.J. Insititute of Medical Sciences and research centre.

- “Papillary Lesions of Bresat what we know and what’s New” held on 9th September , 2021 by Jawaharlal Nehru Medical College.
- Guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr V.Siva Kumar, attended

International:

- AIPNA ICP International pathology virtual CME organised by Amrita Institute of Medical Sciences, Kochi, Kerala on 4,5,6th of February 2021.
- Liver weninar on International Master class in Breast Cancer 2021 from 16th to 23rd October – 2021.
- 5th Annual International Precision Oncology & IBC Virtual Conference 2021//22nd – 25th October 21 Organised by Indian society of oncologists from 22nd to 24th October 2021.
- Guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

National:

- Seminars in Oncopathology on January 7th , February 5th and March 4th 2021.
- CME on infections, held on 13th August, 2021 by Vydehi Institute of Meidcal Sciences and Research centre.
- CME in Pathology organised by department of Pathology MVJ Medical College and Research Hospital, Bengaluru on 17.12.2021.

Dr Alekhya M, attended

- Virtual Mid-Term CME 2021 -19.09.2021 Indian Association of Pathologists & Microbiologists AP State Chapter, organized by Dept. of pathology, PES Institute of Medical Sciences & Research, Kuppam.
- Delivered CME as present on current challenges in colorectal cancer reporting on 30.1.2021 in SVIMS, Tirupathi.
- A guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

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Dr A. Sreelekha

- Attended NCGEQAS Annual meet held on 18th December 2021.
- Participated in Annual poster competition 2021 held by the British Association of Gynaecological pathologists in April/May 2021 and awarded participation certificate.
- Attended AIPNA ICP International Pathology CME 2021 conducted by AIMS, Kochi on dates 4th -6th February, 2021.
- Attended Organised a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.
- Revised Basic course workshop conducted by SVIMS on date, 29th, 30th September & 1st October.

Dr Alekhya M

- Workshop: participated in the 1st Virtual National Workshop on Cervical Cancer Screening for Pathologists organized by Division of Cytopathology, ICMR-NICPR, Noida from 26th till 30th July 2021.
- Attended Revised Basic course workshop conducted by SVIMS on date 29th, 30th September and 1st October, 2021.

Dr B. Suguna,

- Attended CME on “BREAST CANCER’ CORE ISSUES” held on 13th November, 2021, for which Karnataka Medical Council granted One credit hour. Conducted by A.J. Institute of Medical Sciences and research centre.
- Attended CME on “PAPILLARY LESIONS OF BREAST WHAT WE KNOW AND WHAT’S NEW” held on 9th September, 2021 by Jawaharlal Nehru Medical College.
- Attended National webinar “UPDATES IN LUNG PATHOLOGY” organized by Vinayaka Missions Kirupannanda Variyar Medical College and Hospitals, Salem held on 26.8.2021.
- Attended AIPNA ICP CME 2021 organized by department of pathology, Amrita Institute, Kochi on 4th to 6th February 2021.

- Attended CME AAPUD 2021 – update in dermatologic diseases organized by department of pathology, Amrita Institute, Kochi held on July 15th, 16th, 17th 2021.

Dr K.G. Varaprasad,

- Virtual SPARRC–Sri Ramachandra pathology Rapid review course attended on 4th January 2021 to 10th January 2021.
- PES institute of Medical science and research “VIRTUAL MID TERM CME 2021 – 19.9.2021” - IAPM – AP State chapter.
- “Conventional PAP Vs LBC in cervical lesions” - hosted by Sri Ramachandra Medical College and Research Institute, Chennai & BD India on 8th January 2021.
- Attended a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr G. Swyritha,

1. Virtual SPARRC –Sri Ramachandra pathology Rapid review course attended on 4th January 2021 to 10th January 2021.
2. PES institute of Medical science and research “VIRTUAL MID TERM CME 2021 – 19.9.2021” - IAPM – AP State chapter.
3. “Conventional PAP Vs LBC in cervical lesions” - posted by Sri Ramachandra Medical College and Research Institute, Chennai & BD India on 8th January 2021.
4. Attended a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr Swathi,

1. 48th Annual conference of KCIAPM, KAPCON2021 state paper presentation done.
2. Virtual IAPM – AP Midterm CME2021, state participated on 19/9/2021
3. 39th Annual National CME, Virtual JNMC, National participated on 24th – 26/6/2021
4. TAPCON-2021 – Tamil Nadu and Pondicherry chapter of IAPM- Virtual CME on 4-6 June, 2021.

5. Neuropathology workshop (IRTUS) as a part of KAPCON2021 – state participated held between 30/9/2021.

Dr V.Gopinath Reddy, attended

- TAPCON 2021 VIRTUAL CME – 2021 attended on 4.6.21 to 6.6.2021.
- 48th Annual conference of KCIAPM KAPCON VIRTUAL 2021 participated 1.10.2021 to 3.10.2021.
- PES institute of Medical science and research “VIRTUAL MID TERM CME 2021 – 19.9.2021” – IAPM – AP State chapter.
- Attended a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr R. Thenmozhi, attended

- KLE Academy of Higher education & Research, Jawaharlal Nehru Medical College, Belagavi, Karnataka 39 Annual National CME (Virtual) 26th – 29th June 2021.
- PES institute of Medical science and research “VIRTUAL Mid – TERM CME 2021 – 19.09.2021” – IAPM – AP State chapter.
- KAPCON – 2021 – Karnataka chapter of IAMP October 01-03,2021
- B-Kon 2021 – Diagnostic dilemmas in platelet and coagulation disorders by Department of pathology, Government Medical College, Kottayam, Kerala.
- TAPCON – 2021 – Virtual CME Tamil Nadu and Pondicherry chapter of IAPM 4,5,6th June, 2021.
- Organised a guest lecture on pathology of Squamous cells carcinoma or oral cavity 14th March, 2021.

Dr.G. Radha Bai.

- KLE Academy of Higher education & Research, Jawaharlal Nehru Medical College, Belagavi, Karnataka 39 Annual National CME (Virtual) 26th – 29th June 2021.
- PES institute of Medical science and research “VIRTUAL Mid – TERM CME 2021 – 19.09.2021” – IAPM – AP State chapter.

- KAPCON – 2021 – Karnataka chapter of IAMP October 01-03,2021
- KAPCON – 2021- Workshop on Understanding on Uropathology.

28.10.Other academic activities

Dr. N. Rukmangadha:

1. Organized EQAS activity conducted by IAC (Indian Association of Cytology)-2021
2. Attended as Examiner for MBBS & MD pathology
 - internal examiner for MD pathology, university examination held on May 5th 2021
 - Internal examiner for 2nd MBBS, pathology UNIVERSITY EXAMINATIONS held in the month of February, 2021.
 - External examiner for 2nd MBBS pathology UNIVERSITY EXAMINATIONS at SVMC, Tirupati from April 15th 2021 to 17th 2021.
 - External examiner for 2nd MBBS, Pathology at Savitha Medical college, Chennai from December 20th to 23th 2021.
 - External examiner for MD, Pathology UNIVERSITY EXAMINATIONS at Savitha Medical college, Chennai FROM JULY 29th 2021 to 31th 2021.
 - External examiner for MD, Pathology, UNIVERSITY EXAMINATIONS at SV Medical college, Tirupati, from AUGUST 10th 2021 to 14th 2021.

Professor & HOD Completed Basic course – Biomedical research, April to October 2021. Conducted internal audit 2 times

Dr. B.Deepthi:

- a. Intradepartmental internal audit: Organized 2 times
- b. EQAS : Organized EQAS activity conducted by AIIMS & CMC
- c. MBBS, Paramedical (BSC Nursing, MLT & Physiotherapy) Invigilation duty for theory exams and correction of theory papers

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- d. Assistant professor Completed Basic course – Biomedical research, April to October 2021.

Dr. Siva kumar .V :

- a. Deputy Quality Manager/ NABH, NABL accreditation work.
- b. As external examiner for 2nd MBBS in Chettinad Academy of Research and Education.
- c. Kelambakkam, Kancheepuram District from 16th to 17th August, 2021.
- d. MBBS, Paramedical (BSC Nursing, MLT & Physiotherapy) Invigilation duty for theory exams and correction of theory papers.
- e. Completed Basic course – Biomedical research, April to October 2021

Dr.V. Shanthi :

- a. Conducted MBBS practicals University exams and corrected theory paper.
- b. Completed Basic course – Biomedical research, April to October 2021.

Dr. Sreelekha. A:

- a. Completed Basic course – Biomedical research, April to October 2021.
- b. Intradepartmental internal audit: Organized 3 times
- c. EQAS : Organized EQAS activity conducted by National Cancer Grid, TMC, Mumbai for diagnostic histopathology, Immunohistochemistry and tissue processing

- d. MBBS, Paramedical (BSC Nursing, MLT & Physiotherapy) Invigilation duty for theory exams and correction of theory papers.

Dr. Alekhya. M:

- a. Completed Basic course – Biomedical research, April to October 2021.
- b. Intradepartmental internal audit: Organized 3 times
- c. EQAS : Organized EQAS activity conducted by Neuberg Anand Academy of Laboratory Medicine – Quality Assessment programme, Bangalore for Histopathology.
- d. MBBS, Paramedical (BSC Nursing, MLT & Physiotherapy) Invigilation duty for theory exams and correction of theory papers

Dr. B.Suguna :

- a. Completed Basic course – Biomedical research, April to October 2021.
- b. MBBS, Paramedical (BSC Nursing, MLT & Physiotherapy) Invigilation duty for theory exams and correction of theory papers

Dr. V.Gopinath Reddy:

PG Completed Basic course – Biomedical research, April to October 2021.

Dr. B. Swathi :

PG Completed Basic course – Biomedical research, April to October 2021.

29.0 DEPARTMENT OF PHARMACOLOGY

Professor & Head

Dr. K. Umamaheswara Rao

Faculty

Dr. K.R. SUBASH

Dr. C. PALLAVI

Dr. THULASI GOKUL

Dr. N.J. SIVA SHANKAR

Dr. K. VIJAYA CHANDRA REDDY

Dr. G. RAVINDRA KUMAR

Mr. K. MANJUNATH

29.1 Awards, achievements and felicitations

1. **Dr K.R.SUBASH** Participated as “**Resource person in the APPSCON 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.
2. **Dr K.R.SUBASH** Participated as “**Judge an oral session in the APPSCON 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.
3. **Dr K.R.SUBASH** Participated in a workshop as **Resource person for conducting a Hands on Training Session on “Pharmacovigilance an Overview”** conducted by the department of pharmacology, Sri Padmavathi Medical College for Women in collaboration with National Coordinating center, Pharmacovigilance Programme of India, Ghaziabad, Delhi held on 22nd December 2021
4. **Dr. Ravindra Kumar G.** Honoured as one of the Judge for scientific session in APPSCON 2021 held on 19th & 20th Nov 2021 on virtual platform at SPMCW, SVIMS, Tirupati.
5. **Dr. Ravindra Kumar G.** Contributed as Treasurer in APPSCON 2021 held on 19th & 20th Nov 2021 on virtual platform at SPMCW, SVIMS, Tirupati.
6. **Dr.Thulasi Gokul** Participated as “Resource person in the APPSCON 2021” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.
7. **Dr Thulasi Gokul** Participated as “Judge an oral session in the APPSCON 2021” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.
8. **Dr Thulasi Gokul** Participated in a workshop as Resource person for conducting a Hands on Training Session on “Pharmacovigilance an Overview” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with National Coordinating center, Pharmacovigilance Programme of India, Ghaziabad, Delhi held on 22nd December 2021.
9. **Mr. K. Manjunath** Participated as “**Resource person in the APPSCON 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.
10. **Dr. N.J. Siva Shankar** Participated as “**Resource person in the APPSCON 2021**” conducted by the department of pharmacology, Sri Padmavathi

Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.

29.2 Fellowships received

i. National

1. Dr. K.R. Subash has completed certification courses on

- Basic Course in Biomedical Research” from march to June 2021
- “Ethics Review in Health Research” from April to July 2021
- SIMULATION BASED MEDICAL EDUCATION Course 2021

2. Dr. Ravindra Kumar G. has completed certification courses on:

- Completed “Basic course in biomedical Research” in Jun 2021.
- Completed “Ethics Review of Health Research” in July 2021.

3. Dr. Thulasi Gokul has completed certification courses on:

- “Basic Course in Biomedical Research” from march to June 2021
- “Ethics Review in Health Research” from April to July 2021

29.3 Research Projects

Research projects completed

National

1. **Dr. Vijaya Chandra Reddy Konda** - Adverse Events Following Immunization to Covid-19 Vaccines in A Tertiary Care Hospital - A Descriptive Study.
2. **Dr. Thulasi Gokul** - Adverse Events Following Immunization to Covid-19 Vaccines in A Tertiary Care Hospital – A Descriptive Study

29.4 Ongoing Research Projects

National

1. Dr. K.R. SUBASH

- i. Phyto chemical screening , acute toxicity study of *Boswellia ovalifolia* in rodents and *insilico* pharmacokinetic and toxicological profiling of its known chemical constituents
- ii. Phyto chemical screening , acute toxicity study of *Cycas Beddomei* in rodents and *insilico* pharmacokinetic and toxicological profiling of its known chemical constituents
- iii. Phyto chemical screening , acute toxicity study of *Syzygium alternifolium* in rodents and *insilico* pharmacokinetic and toxicological profiling of its known chemical constituents

2. Dr. K. VIJAYA CHANDRA REDDY

- i. Principal Investigator: Dr. Vijaya Chandra Reddy Konda, Title: “Effect of ‘Heartfulness’ Meditation Practices on Endothelial Function and Inflammation in Patients with Coronary Artery Disease”
- ii. Co-investigator: Dr. Vijaya Chandra Reddy Konda, Title: “Effect of ‘Heartfulness’ Meditation Practices in Hypertensive Patients”

3. Dr. G. RAVINDRA KUMAR :

- i. “Assessment of simulation based learning experience in second year MBBS students on subcutaneous injection technique- a questionnaire study” at SVIMS, SPMCW, Tirupati.

4. Dr. THULASI GOKUL:

- i. “Assessment of simulation based learning experience in second year MBBS students on subcutaneous injection technique – A questionnaire study” at SVIMS, SPMCW, and Tirupati.

5. Dr. C. PALLAVI:

- i. A study to evaluate the prescription pattern of Antimicrobials in patients with chronic kidney disease in a tertiary care hospital

29.5 Conferences attended, lectures delivered:

i. National

1. DR. K. UMAMAHESWARA RAO

- i. 3rd APPSCON2021 “**Current and Future trends in Pharmacology**” was organized by Pharmacology in association with the dept. of Pharmacology, SVIMS on 19th & 20th November, 2021.

2. Dr K.R.SUBASH

- i. Participated in an “**APPSCON – 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.

- ii. Participated in a workshop on “**Pharmacovigilance an Overview**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with National Coordinating center, Pharmacovigilance Programme of India, Ghaziabad, Delhi held on 22nd December 2021.

- iii. Participated in 3rd National Simulation Conference “**SIMULCON2021**” on 3rd, 4th and 5th Dec 2021 – INDIA.

3. DR. K. VIJAYA CHANDRA REDDY

- i. **Delivered** in the 14th Annual Conference of Indian Society of Clinical Research (Virtual) – “Clinical Research - Transforming Lives: 2021 and Beyond” held from 19th to 20th March 2021.

- ii. Participated in the 3rd Annual Conference of Andhra Pradesh Pharmacologists Society - “Current and Future Trends in Pharmacology” organized by Department of Pharmacology, Sri Padmavathi Medical College for Women, Sri Venkateswara Institute of Medical Sciences, Tirupati held virtually on 19th and 20th November 2021

4. Dr. C. Pallavi

- i. Attended Andhra Pradesh Pharmacologists Society third State Conference – 2021 held on 19th and 20th November on Virtual Platform at SVIMS, Sri Padmavathi Medical College for Women, Tirupati.

- ii. Delivered a lecture on “**Pharmacovigilance- An Overview & Current status**” during the Workshop for Pharm -D students on “**Pharmacovigilance and Reporting of Adverse drug Reactions**” conducted on 22-12-2021 at SVIMS, SPMCW, Tirupati.

- iii. Delivered a lecture on “Effect of drugs affecting Thyroid function” at a CME on “**Fundamental Concepts in Thyroidology Revisited**” organized by Pharmacology in association with the dept. of Endocrinology, Biochemistry & Pharmacology, SVIMS on 13th March, 2021.

5. Dr. G. Ravindra Kumar

- i. Attended APPSCON 2021 held on 19th & 20th Nov 2021 on virtual platform at SPMCW, SVIMS, Tirupati.

- ii. Presented Oral paper in APPSCON 2021 held on 19th & 20th Nov 2021 on virtual platform at SPMCW, SVIMS, Tirupati.

6. Dr. Thulasi Gokul

- i. Participated in the Virtual National Conference “**PSYCHOPHARMACON 2021**” conducted by the Department of Pharmacology, A.C.S. Medical College and held on 17/09/2021.

- ii. Participated in an “**APPSCON – 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.

- iii. Participated and presented an e – Paper session on “Invitro study on methotrexate with Piperine on comparing with 5 fluorouracil with Piperine in MG 63 cell lines using the MTT assay and DNA fragmentation.”

- iv. Participated in a workshop on “**Pharmacovigilance an Overview**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with National Coordinating center, Pharmacovigilance Programme of India, Ghaziabad, Delhi held on 22nd December 2021.

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7. Mr. K. Manjunath

- i. Participated in the 3rd Annual Conference of Andhra Pradesh Pharmacologists Society “Current and Future Trends in Pharmacology” organized by Department of Pharmacology, Sri Padmavathi Medical College for Women, Sri Venkateswara Institute of Medical Sciences, Tirupati held virtually on 19th and 20th November 2021.

8. Dr. N.J. Siva Shankar

- i. Participated in the 3rd Annual Conference of Andhra Pradesh Pharmacologists Society - “Current and Future Trends in Pharmacology” organized by Department of Pharmacology, Sri Padmavathi Medical College for Women, Sri Venkateswara Institute of Medical Sciences, Tirupati held virtually on 19th and 20th November 2021

29.6 Publications

1. Dr. K.R. Subash

- i. S. Radha, S. P. Rajalakshmi, K. Subash and K. Samraj A Perspective Review on Siddha System of Medicine in the Management of Corona Virus Disease 2019. Journal of Natural Remedies. 2021; Apr 21: (2) 109-123.

2. Dr. Vijaya Chandra Reddy Konda:

- i. Konda V. C. R, Gokul T, Poojitha M, Rao K. U. Adverse Events Following Immunization to Covid-19 Vaccines in A Tertiary Care Hospital – A Descriptive Study. Biomed Pharmacol J 2021;14(4).

3. Dr. Thulasi Gokul

- i. Konda VC, Gokul T, Poojitha M, Rao KU. Adverse Events Following Immunization to Covid-19 Vaccines in a Tertiary Care Hospital–A Descriptive Study. Biomedical and Pharmacology Journal. 2021 Oct 9;14(4). (Scopus).

29.7. CMEs/Seminars/Workshops/Orations conducted by the dept.

1. A CME on “**Fundamental Concepts in Thyroidology Revisited**” was organized by Pharmacology in association with the dept. of Endocrinology, Biochemistry & Pharmacology, SVIMS on 13th March, 2021.

2. 3rd APPSCON2021 “**Current and Future trends in Pharmacology**” was organized by Pharmacology in association with the dept. of Pharmacology, SVIMS on 19th & 20th November, 2021.

3. Workshop for Pharm-D students on “**Pharmacovigilance and Reporting of Adverse drug Reactions**” was conducted on 22-12-2021.

29.8 CMEs/Seminars/Workshops attended

1. Dr. K. Umamaheswara Rao attended:

1. Participated in the Webinar on “Clinical Trails in Research – Students Point of View” on 28th Jan, 2021 Organized by Department of Pharmacology & The Scientific Society in Collaboration with IQAC.
2. Participated in the Webinar on “Medication Error Significance & Patient Safety in ICU Settings; Awareness, Challenges & Advanced Solutions” conducted by Peerless Hospital and BK Roy Research Centre on 10th Feb, 2021.
3. Attended in the Webinar on “Adverse Event Following Immunization Covid – Interim Report” organized by Amritha Institute of Medical Sciences & Research Centre on 11th Feb, 2021.
4. A CME on “**Fundamental Concepts in Thyroidology Revisited**” “was organized by Pharmacology in association with the dept. of Endocrinology, Biochemistry & Pharmacology, SVIMS on 13th March, 2021.
5. Attended in the workshop entitled “Intellectual Property Rights-Copyrights” conducted by Narayana Translational Research and Incubation Centre (NTRIC) & Institution’s Innovation Council on 6th Aug, 2021.
6. Participated in the Webinar on “FDP’s – Role in strengthening CBME Implementation” organized by University Centre For Health Professions Education, SDUAHER, Kolar on 11th Dec, 2021.
7. Participated in the Webinar on “Introduction to Research methodology” conducted by Central Research Laboratory and Department of Pharmacology, Tagore Medical College and Hospital, on 8th Dec, 2021.

8. Workshop for Pharm -D students on “**Pharmacovigilance and Reporting of Adverse drug Reactions**” was conducted on 22-12-2022.

2. Dr. K.R. Subash

1. Pharmacovigilance workshop 2021 –organized by Dept of Pharmacology – SVIMS
2. Simulation Based Medical Education Training workshop program for SVIMS Medical and Nursing Faculty **Member Secretary**-Institutional Animal Ethics committee
3. **Chair Person Scientific committee for APPSCON 2021** conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.

3. Dr. Vijaya Chandra Reddy

1. Participated in the National Education Conclave on “Re-imagining University Education with a Heart-Centered Approach” organized by Heartfulness Education Trust held on 12th and 13th January 2021.
2. Participated in the national e-workshop on “Animal Handling and Experimental Pharmacology” organized by Department of Pharmacology, Indira Gandhi Institute of Medical Sciences, Patna under the aegis of Indian Pharmacological Society on 9th February 2021.
3. Participated in the national webinar on “Adverse Event Following Immunization Covid –19 Interim Report” organized by Amrita Institute of Medical Sciences & Research Centre on 11th February 2021.
4. Participated in the pre-conference workshop titled “Effective authoring of Clinical Study Reports (CSRs) in the evolving landscape of data transparency – a competency building workshop” organized by Indian Society for Clinical Research held (online) on 12th March 2021.
5. Participated in the pre-conference workshop titled “How to Conduct Real World Studies (Registries and Retrospective studies)” organized by Indian Society for Clinical Research held (online) on 13th March 2021.

6. Participated in the webinar on “Publication Ethics” conducted by National Journal of Clinical Anatomy under the aegis of Society of Clinical Anatomists on 10th April 2021

7. Participated in the Research Webinar Series titled “Building Heterogeneity in Research” organized by Institutional Research Committee and Medical Education Unit, Aarupadai Veedu Medical College & Hospital, Puducherry from 6th to 17th July 2021.

8. Participated in the virtual training on “Good Clinical Practice, New Clinical Trial Rules-2019 (EC perspective) and ICMR Guidelines (EC perspective)” conducted by Quinary Clinical Research on 9th July 2021.

9. Participated in the national CME cum workshop on “Pharmacovigilance and Drug Safety” organized by Department of Pharmacology, Government Medical College, Jammu in collaboration with National Coordination Centre, Pharmacovigilance Programme of India on 18th September 2021.

10. Participated in online symposium on “Patient Safety through Pharmacovigilance” organized by Department of Pharmacology, Amrita Institute of Medical Sciences, Kochi in collaboration with National Coordination Centre, Pharmacovigilance Programme of India on 18th September 2021.

4. Dr. C. Pallavi

1. Has undergone training in One week (Online) Faculty Development Programme on “Exploratory Data Analysis using Statistical Software R and SPSS” from 07th January-13th January, 2021 organised by Department of Statistics and Internal Quality Assurance Cell (IQAC) Mata Sundri College for Women, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.
2. Has participated in Revised basic course workshop at SVIMS, Sri Padmavathi Medical College for Women, Tirupati on 29, 30th Sep & 1st Oct, 2021 conducted by Medical Education Unit, SVIMS, SPMCW.

5. Dr. G. Ravindra Kumar

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1. Participated in webinar on “Implementation of National Education Policy 2020” conducted by Sri Devarajurs academy of higher education and research.

2. Participated as resource person in “Pharmacovigilance and reporting of adverse drug reactions” workshop held on 22nd Dec 2021 at SVIMS- SPMCW, Tirupati

6. Dr. Thulasi Gokul

1. Participated in Workshop “Induction cum training programme on Pharmaco vigilance” Organized by National Coordination Centre, Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, and Ghaziabad. India during 27th - 28th April, 2021.

2. Participated in the Webinar on “**Designing and Validation of a Questionnaire**” conducted by the Department of Pharmacology on 4th February’ 2021.

3. Participated in “**6th Hello Diabetes academia 2021: Digital conclave**” on 23rd July to 25th July 2021.

4. Participated in the “**8th Dr Mohans International Diabetes update**” on 30th July to 1st August 2021.

5. Participated in the workshop on “**IMPLEMENTATION OF NATIONAL EDUCATIONAL POLICY 2020**” conducted by Sri Devaraj Academy Of Higher Education and Research held on 27th October 2021.

6. Participated as Delegate in the National “**Webinar on “Covid 19 Vaccine: Global Perspectives**” held on 7th August 2021 organized by Department of Pharmacology, SDUMC, Kolar, and Karnataka.

7. Participated in the Virtual National Conference “**PSYCHOPHARMACON 2021**” conducted by the Department of Pharmacology, A.C.S. Medical College and Hospital, held on 17/09/2021.

8. Participated in an “**APPSCON – 2021**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with Andhra Pradesh Pharmacologists Society on 19th & 20th of November 2021.

9. Participated in a workshop on “**Pharmacovigilance an Overview**” conducted by the department of pharmacology, Sri Padmavathi Medical College for Women & in collaboration with National Coordinating center, Pharmacovigilance Programme of India, Ghaziabad, Delhi held on 22nd December 2021.

7. Mr. K. Manjunath

1. Workshop for Pharm -D students on “Pharmacovigilance and Reporting of Adverse drug Reactions” was conducted on 22-12-2022.

8. Dr. N.J. Siva Shankar

1. Workshop for Pharm -D students on “Pharmacovigilance and Reporting of Adverse drug Reactions” was conducted on 22-12-2022.

30.0 DEPARTMENT OF PHYSIOLOGY

Professor & Head

Dr Sharan B Singh M

Faculty

Dr.N.Sharvani

Mr.K.Munisekhar

Dr.Arpana Bhide

Dr.G.Sunil Naik (Resigned on 15.10.2021)

Tutor

Mrs.K.Pujitha

Mrs.M.Hari Priya

Mrs.P.Vani

Research Scholar

Mr.K.Munisekhar

Mrs.K.Pujitha

Mrs.M.Hari Priya

30.1. Research Projects:

a) Research projects completed:

1. Dr.Sharan B Singh M

1. 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, Associate Professor, Dept of Physiology, SVIMS, SPMC-W, Co Investigator: Dr. Sharan B Singh, Professor and Head, Dept of Physiology, SVIMS, SPMC (W)

2. Study of perception of online video based practical classes and face to face practical classes among first year MBBS students. Principal investigator: Dr Arpana Bhide, Associate Professor, Dept of Physiology, SVIMS, SPMC-W, Co- Investigator- Dr Sharan B Singh, Professor and Head, Dept of Physiology, SVIMS, SPMC-W.

2. Dr.Arpana Bhide

1. 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**, Associate Professor, Dept of Physiology,

SVIMS, SPMC-W, Co Investigator: Dr. Sharan B Singh, Professor and Head, Dept of Physiology, SVIMS, SPMC (W)

2. Study of perception of online video based practical classes and face to face practical classes among first year MBBS students. Principal investigator: Dr Arpana Bhide, Associate Professor, Dept of Physiology, SVIMS, SPMC-W, Co- Investigator- Dr Sharan B Singh, Professor and Head, Dept of Physiology, SVIMS, SPMC-W.

30.2. Research work

Ongoing thesis work:

1. **Mr.K.Munisekhar, PhD Scholar:** Effects of (Cow) Ghee on Lipid Peroxidation and Lipid Profile changes in healthy human volunteers before and after consuming .
2. **Mrs.K.Pujitha, PhD Scholar:** The Effect of Heartfulness meditation on Biomarkers of stress in young healthy female students.
3. **Mrs.M.Haripriya, PhD Scholar:** Effect on Heartfulness meditation practioners on oxidative stress markers in Patients with coronary artery diseases

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4. **Mrs.V.S.Bhavani, 3rd MSc:** Comparative study of influence of 6-minute walk test on heart rate and oxygen saturation in post covid-19 patients and healthy individuals
5. **Mr.M.Raviteja, 3rd MSc:** Effects of aerobic exercise training on post exercise heart rate, blood pressure and arterial oxygen saturation among young adults

Dissertation work

Ongoing dissertation work

P. Ashok Kumar. Orthostatic hypotension in type 2 diabetics (MSc)

30.3 Conferences attended, lectures delivered

1. Dr.Sharan B Singh M

Presented at topic on “Role of sleep and CIRCADIAN rhythm in the prevention of cancer” conference organized by SPOC and Apollo Spectra Hospitals, Karnataka Medical Council on 13th & 14th November 2021.

Attended the 2nd contact session of NMC Advance Course in Medical Education at NMC nodal centre for national faculty development, Christian Medical College, Vellore on October 29th, 30th and November 1st 2021.

2. Dr Arpana Bhide

1. Participated as delegate in virtual conference on “i-MECON :International Medical Education Conference” held between 25th – 27th March 2021 conducted by the University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar
2. Participated as delegate in oral presentation of ‘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’ in ASSOPICON 2021 held from 7th to 9th September 2021.
3. Attended the 2nd contact session of NMC Advance Course in Medical Education at NMC nodal centre for national faculty development, Christian Medical

College, Vellore on October 29th, 30th and November 1st 2021.

3. Dr.Sharan B Singh M

P.Vani, Sharan B SinghM .Effect of smoking on Cardiovascular autonomic functions-International Journal of Physiotherapy & Research 2021, Vol 9(2):3780-84

4. Dr.Arpana Bhide

K. Pujitha, Bhide A. Effect of Aging on Postural tachycardial index in healthy Subjects. Int J Physiother Res 2021;9(2):3789-92.

5. Mrs.K.Pujitha

K. Pujitha, Bhide A. Effect of Aging on Postural tachycardial index in healthy Subjects. Int J Physiother Res 2021;9(2):3789-92.

6. Mrs.P.Vani

P.Vani, Sharan B SinghM .Effect of smoking on Cardiovascular autonomic functions-International Journal of Physiotherapy & Research 2021, Vol 9(2):3780-84

30.4. CME’s /Seminar/Workshops/Orations conducted by the department.

In a CME conducted by three Dept. of Physiology, Pathology and Forensic Medicine on 30th January 2021

Dr.N.Sharvani: CME talk on “Physiology of Large Intestine” on 30th January 2021

30.5. CME’s /Seminar/Workshops attended

Dr.Sharan B Singh M

Attended CME on “Physiology of Large Intestine” at SVIMS on 30th January 2021

Dr.N.Sharvani

Attended CME on “Physiology of Large Intestine” at SVIMS on 30th January 2021

Dr.Arpana Bhide

Attended CME on “Physiology of Large Intestine”
at SVIMS on 30th January 2021

Dr.G.Sunil Naik:

Attended CME on “Physiology of Large Intestine”
at SVIMS on 30th January 2021

Mr.K.Muni Sekhar

Attended CME on “Physiology of Large Intestine”
at SVIMS on 30th January 2021

Mrs.K.Pujitha

Attended CME on “Physiology of Large Intestine”
at SVIMS on 30th January 2021

Mrs.M.Hari Priya

Attended CME on “Physiology of Large Intestine”
at SVIMS on 30th January 2021

30.6.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. Chairman of Medical Education Unit
4. Resource faculty for RBCW, undergoing ACME training
5. Member of Purchase committee and Library Committee

Dr.Sharvani,

1. Deputy warden of SPMCW girls hostel
2. Assistant Dean Student affairs, SVIMS University
3. Medical Education Unit Member
4. Undergone Basic course in Biomedical Research cycle-2 conducted by SWAYAM-A Govt. platform for online courses, in association with ICMR -NIN
5. NABH - Team leader for standards PRE 2 & 3 of Chapter 4

Dr Arpana Bhide

1. Medical Education Unit Member
2. Purchase committee member at SVIMS, Tirupati
3. Instructor for BLS and ACLS courses

31.0 DEPARTMENT OF PSYCHIATRY

Assistant Professor & Ho Di/c

Dr M. Ganesh Kumar

Faculty

Dr B.Sivanandh

Dr G.Swetha Rao

31.1 Conference attended, Lectures delivered

1. **Dr M. Ganesh Kumar, Assistant Professor, Lectures delivered on :**Stress and burnout in medical professionals and coping strategies” at SVIMS, Tirupati on 10th June 2021

31.2 Publications

1. Budarapu, S; Garg, V; Austin, M, Eating Disorders Anonymous: Could this fill the gap of peer support in anorexia nervosa? (Letter), Australian & New Zealand Journal of Psychiatry, 2021.
2. Swetha Rao G, Ram R, Vengamma B. Reasons for Hesitancy to take COVID-19 Vaccine : A survey on Health care workers, SVIMS Tirupati accepted JCSR_26_21.

31.3 CMEs/Seminars/ Workshops attended

Dr M. Ganesh Kumar, Assistant Professor, attended

- Workshop on CBT for OCD and related disorders – 28th and 29th October 2021.
- Essentials of CBT from BECK institute.
- IACAM child psychiatry.
- Medical student wellness challenges and initiatives on 10th July 2021

32.0 DEPARTMENT OF PLASTIC SURGERY

Professor& Head

Dr Praveen Kumar Reddy C.V

32.1 Conferences attended

1. **Dr Praveen Kumar Reddy & Dr Naga Teja**, attended the National Plastic Surgery Conference, APSICON 2021 in October 2021, virtually.

32.2 Papers presented

1. **Dr Naga Teja** presented paper on “Comparison of pre operative MRI and intra operative findings in upper Brachial plexus palsy in Adults” at APSICON 2021 in October 2021.

32.3 Other academic activities

1. **Dr C.V. Praveen Kumar Reddy** is promoted to Professor in January 2021.

Dr Naga Teja joined as Resident in Department from October

33.0 DEPARTMENT OF RADIOLOGY

Professor & Ho Di/c

Dr B. Vijayalakshmi Devi

Faculty

Dr A.Y.Lakshmi
Dr S.Sarala

Dr Silpa kadiyala
Dr Pavan Kumar G Kale

Senior Residents

Dr Vishnu Prasad M
Dr Subramanyam L
Dr Prasanthi M

Dr Venkatesh V C
Dr Sravani D
Dr Poojitha R.V

Junior Residents

Dr Sunay.G.D
Dr Meghana
Dr Bharath kumar
Dr Manasa
Dr Sana Asfiya

Dr Sahitya
Dr Akhil Anirudh
Dr Sanjay
Dr Jyothirmayi
Dr Naveen

Dr Dilipkumar
Dr Ragini
Dr P.Pooja Venavi
Dr Bhavani

33.1 Awards, achievements and felicitations

1. Dr Sahitya, Junior resident has won **2nd prize** for poster titled on Intraventricular masses:A pictorial essay of MRI findings in GRS 2021 .

33.2 Research work

Thesis work

Thesis submitted

1. **Vishnu**. Diagnostic accuracy of prostate imaging reporting and data system version 2 (PIRADS V2) for detection of prostate cancer (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Venkatesh**. Role of MR fistulography with percutaneous instillation of aqueous jelly in pre operative evaluation of perianal fistulas – A prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
3. **Subramanyam L**. To Study the utility of high resolution ultrasound and magnetic resonance

imaging in patients presenting with shoulder joint pain (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

4. **Sravani**. Prospective Study of whole body diffusion weighted imaging compared with F-18, FDG , PET-CT in staging of lymphomas (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
5. **Prasanthi**. An observational study on CT guided percutaneous nephrostomy (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
6. **Harshith Soni**. Study of changes in mean diffusivity and fractional anisotropy in intra axial brain lesions and its utility in management (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
7. **Meghana**. Diffusion weighted imaging with ADC mapping in differentiation of glioblastoma from solitary metastatic lesions (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

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8. **Sunay.** Determining Gastric cancer resectability using multidetector computed tomography (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
9. **Bharath.** Study of utility of ACR TIRADS scoring in classification of Thyroid Nodules (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
10. **Ragini.** Magnetic resonance imaging morphological features , ilio lumbar ligament location for characterization of lumbosacral transitional vertebrae (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
11. **Sahithya.** Assessment of ultrasound as diagnostic biomarker for prognosis of breast cancer (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
12. **Akhil Anirudh.** Quantitative ADC value as imaging biomarker in evaluation of patients of cervical cancer (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
13. **Dilip.** Study of cerebral white matter hyperintensities in young and middle aged clinical patients and their association with symptoms (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
5. **Bhavani.** Ultra sound guided surgical clip placement for tumour localization in patients undergoing neoadjuvant chemotherapy for carcinoma breast (MD Thesis).
6. **Sana Asfiya.** Tricuspid annular diameter measurement on routine CECT chest to detect significant tricuspid regurgitation (MD Thesis).
7. **Naveen.** Prognostic value of CT in intra cerebral haemorrhage on patient outcome (MD Thesis).

33.3 Conferences attended, Lectures delivered

National

- **Dr B.Vijayalakshmi Devi**, attended
- Delivered guest lecture on “USG in Breast Diseases” in 7th APIRIA state conference held in March 2021.
- Delivered guest lecture on “Imaging in mucormycosis” in a webinar conducted by SVIMS and IMA Tirupati chapter on 4th June 2021
- Judge for PG paper presentation conducted by TN and Pondicherry state chapter IRIA August monthly meet
- CME programme conducted by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- Global Radiology summit 1 , held on 23rd, 24th October 2021 (Virtual)
- 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India 17th – 19th September, 2021 (Virtual)
- **Dr A.Y.Lakshmi**, attended
- Delivered a guest lecture “CT guided chest biopsies , Techniques and Results ” on 19.12.2021 in “International conference on interventional Radiology ” in SVVRRGH, Tirupathi.
- Delivered a guest lecture “ Structural imaging in parkinsonian syndromes “ on 4.12.2021 in combined CMD organised by Department of Radiology and Nuclear Medicine in SVIMS , Tirupathi.

Ongoing thesis work

1. **Sanjay.** Assessment of Spinopelvic parameters measured in patients with prolapsed inter vertebral discs on erect lumbar spine lateral radiographs on MRI (MD Thesis).
2. **Pooja Venavi P.** Radiological features in Relation to epidermal growth factor receptor mutation status of exon 19th and 21st in Lung Adenocarcinoma (MD Thesis).
3. **Manasa.** Prediction of resectability of pancreatic malignancy based on contrast enhanced computed tomography (MD Thesis).
4. **Jyothirmayi.** Distinctive patterns of three dimensional Arterial spin labelled perfusion MRI imaging in subtypes of stroke (MD Thesis).

• **Dr S.Sarala**, attended

- Guest lecture delivered on ‘Imaging the substantia nigra in Parkinson disease and other parkinsonian syndromes’ at CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India 17th – 19th September, 2021 (Virtual)

4. Dr Pavankumar G Kale, attended

- Completed revised basic course workshop at SVIMS-SPMCW in October 2021.
- Completed the basic course in biomedical research in October 2021.
- Neuro radiology stroke management one day CME at AIIMS Managalgiri in November 2021

33.4 Presentations, CME's and Conferences attended

Conferences / CME'S attended by Senior Residents

1. **Dr Vishnu, Dr Venkatesh**, attended CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi on Imaging in parkinsonian syndrome on 4th December 2021.
2. **Dr L.Subramanyam**, attended on “National Seminar on Hematology” as virtual member on 29th September 2021.
3. CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
4. **Dr Sravani** : Dr Harnam Singh midterm CME 2021 (Virtual) Delhi Medical council on 12th September 2021.
5. IRIA Resident education program 2021, Bihar council of Medical registration (Virtual) -10th October 2021.
6. Global Radiology summit 2021 (Virtual) - 23rd to 24th October 2021

Final year PG's

1. **Dr Sunay G.D** : *Poster Presentation* : Presented Clinico Radiological and pathological correlation in a rare case of Rosai Dorfman disease – A pictorial presentation
2. **Dr Sahithya**, attended
 - Conferences 2021 : Conferences attended : Dr Gyan P.LAI CME 2021 IRIA hosted by Assam state chapter online 30th May 2021.
 - 19th Annual conference of Indian society of paediatric Radiology (ISPR) held online 31st October 2021
 - Global Radiology summit 2021 held from 23rd October - 24th October by Delhi Medical council virtual 4 credit hours.
 - 23rd Asian musculoskeletal society Annual conference 17-19 September Novotel – Vizag
 - IRIA Resident education programme online held on 10th October 2021 Bihar state chapter IRIA 4 credit hours
 - CME programme by department of Radiology and Nuclear Medicine imaging in parkinson syndrome – SVIMS Tirupathi 4th December.
 - Paper Presentation : Assessment of ultra sound as diagnostic biomarker for prognosis of breast cancer – GRS 2021
 - Poster presentation : Intraventricular masses : A pictorial essay of MRI findings, *Poster presented* in GRS 2021 (Second prize)
3. **Dr Dilipkumar**, attended
 - Conferences 2021 at 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India 17th – 19th September, 2021 (Virtual)
 - Global Radiology summit 2021 virtual conference 23rd – 24th October 2021
 - Global Radiology summit II 2021 – Virtual conference 11th to 12th October 2021.
 - Indian society of Gastro intestinal and abdominal radiology 18th to 19th September 2021 virtual conference.

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- World conference of emergency Radiology 23rd Apr, 2021 , virtual conference.
 - CME by department of radiology and Nuclear Medicine , SVIMS, Tirupathi – Imaging in parkinsonian syndrome -4th December 2021.
 - Poster presentation : Eposter title “ Rare case of pleomorphic adenoma Arising from heterotopic salivary tissue in submandibular lymph node “: in GRS I conference dated 23/24th October 2021.
 - Paper presentation : Paper presented title “ Study of cerebral white matter hyper intensities in young and middle aged clinical patients and their association with symptoms in GRS II , conference, during 4-12 December 2021.
4. **Dr Meghana**, attended
- Conferences 2021 : 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India – 17th to 19th September 2021 , Hotel Novotel, Vishakapattanam, India.
 - Global Radiology summit 2021 virtual conference 23rd October – 24th October 2021
 - 19th Annual conference of the Indian society of paediatric Radiology (ISPR) – (Virtual) – 30th and 31st October 2021.
 - Dr Harnam Singh mid term CME 2021 (Virtual) Delhi medical council -12th September 2021
 - IRIA Resident education program 2021 , Bihar council of medical registration (Virtual)10th October 2021
 - CME by department of radiology and Nuclear Medicine, SVIMS, Tirupathi – Imaging in parkinsonian syndrome -4th December 2021
 - Paper Presentation : Presented “ CT Cerebral Angiography in Assessment of size, anatomical location and aspect ratio of ruptured intra cranial aneurysms “ paper in Global Radiology summit 2021 virtual conference (23rd to 24th October 2021)
- Poster presentation : Presented “ CT Imaging in various carotid space pathologies – A pictorial review “ in Global radiology summit 2021 virtual conference from 23rd – 24th October 2021
5. **Dr Akhil Anirudh**, attended Physics conference held in the Bangalore Medical college February 2021 and Virtual IRIA – West Bengal conference November 2021 Global Radiology summit 2021 virtual conference 23rd – 24th October 2-21 Paper presentation : Doing paper work on “ Imaging finding in patients of tolosa – hunt syndrome ”
6. **Dr Ragini**, attended
- 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India 17th to 19th September 2021 held at Hotel Novotel, Vishakapatnam , AP.
 - Global Radiology summit I 2021 virtual held on 23rd – 24th October 2021
 - Global Radiology summit II 2021 virtual conference conducted on 11th – 12th December 2021
 - CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi , Imaging in parkinsonian syndrome -4th December 2021
 - Poster presentation : Presented E-poster on “ Pictorial Representation of MECT findings in anomalous pulmonary venous drainage “ in global Radiology summit I 2021 – Virtual conference held from 23rd October – 24th October
 - Paper presentation : Presented oral e-paper for competitive / prize in global Radiology summit II 2021 virtual conference held on 11th – 12th December 2021 on “ Location of ilio lumbar ligament in identification of lumbo sacral transitional vertebrae ”
7. **Dr Bharth Kumar**, attended
- 23rd Asian musculoskeletal society annual conference 2021 with 9th annual conference of musculoskeletal society of India 17th to 19th September 2021 held at Hotel Novotel, Vishakapatnam , AP.

- Global Radiology summit I 2021 virtual held on 23rd – 24th October 2021
- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021
- Poster presentation : Presented “ Pilomyxoid Astrocytoma “ A rare aggressive CNS Tumor ” in Global Radiolgy summit 2021 virtual conference from 23rd – 24th October 2021.
- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram held at SVIMS, Tirupathi on 14th December 2021
- International conference on interventional Radiology held on December 19th, 2021 by SVMC and SVIMS, Tirupathi (Virtual)

Second year PGs:

8. **Dr Sanjay**, attended

- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram held at SVIMS, Tirupathi on 14th December 2021

9. **Dr P.Pooja Venavi**, attended

- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram held at SVIMS, Tirupathi on 14th December 2021,
- International conference on interventional Radiology held on December 19th, 2021 by SVMC and SVIMS, Tirupathi (Virtual).
- *Poster Presentation* : Presented CT Imaging finding in mycotic aortic aneurysm of abdominal aorta in Global Radiology summit II 2021 virtual conference on 11th, 12th December

10. **Dr Manasa**, attended

- IRIA resident education program 2021, Bihar council of Medical registration (Virtual) 10th October 2021.
- Global Radiology summit 2021 II held between 11th, 12th December 2021 (Virtual)

11. **Dr Jyothirmayi, Dr Bhavani, Dr Sana Asfiya** attended

- Global radiology summit II held between 11th and 12th December, 2021 (Virtual)
- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021.
- Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram held at SVIMS, Tirupathi on 14th December 2021

12. **Dr Naveen**, attended

- CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi, Imaging in parkinsonian syndrome -4th December 2021
- Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram held at SVIMS, Tirupathi on 14th December 2021

33.5. Publications :

1. Chandra Teja Reddy S, Krishna Mohan V. S, Sai Moulika Jeepalem, Ranadheer Manthri, Tekchand Kalawat, Venkatarami Reddy V, Narendra Hulikal, Vijaya Lakshmi Devi B. Utility of 18F?FDG PET/CT in Management of Pancreatic and Periapillary Masses—Prospective Study from a Tertiary Care Center. Indian journal of surgical oncology (2021). <https://doi.org/10.1007/s13193-021-01434-1>
2. Sriram Naresh1, Aparna R. Bitla1, P. V. L. N. Srinivasa Rao1, Alok Sachan, Yadagiri Lakshmi

Amancharla. Efficacy of oral rosuvastatin intervention on HDL and its associated proteins in men with type 2 diabetes mellitus Endocrine (2021) 71:76–86 <https://doi.org/10.1007/s12020-020-02472-5>.

3. PG Kale, GPV Choudary, P Sandeep, AY Lakshmi, VS Kumar, R Mantri. Correlation of three-dimensional computerized tomographic renal parenchymal volumetry with DTPA split renal function in prospective donors-A retrospective study.. Indian Journal of Transplantation 15 (3), 211.

33.6 CMEs / Seminars/Workshops / Orations held by Department :

1. CME programme by Department of Radiology and Nuclear Medicine, SVIMS, Tirupathi , Imaging in parkinsonian syndrome -4th December 2021.
2. Guest Lecture on “ Value and evidence based neuro imaging in clinical practice” by Dr V.Shriram MBBS, MD,DM,MSc, Working as Neujiro radiologist , Kovai Medical centre and hospital, coimbatore , Tamilnadu on 14.12.2021 . 12noon , Sri Padmavathi auditorium , SVIMS, Tirupathi.

34.0 DEPARTMENT OF RADIOTHERAPY

Professor & HOD

Dr B.V.Subramanian

Faculty

Dr Pranabhanu Das
Dr K. Dinakar
Dr P.Masthan Basha

Dr B. Sreenivasa Rao
Dr V. Pavan Kumar Reddy

Senior Resident

Dr J.Mohan Krishna Dr G.Haripriya Dr G.Anusha, Dr Sravani

PG Junior Residents

Dr V. Divya Sowjanya
Dr B.Sravanthi

Dr P.Harika Bhavani
Dr R.Yamini kumar

Dr P.Angelina shiny
Dr S.Soubhagyavathi Susan

Lecturer in Radiological Physics

S.Balaraju
M.Sangeetha
A.Praveen kumar

A.Srinivasa Raghava
N.Saidulu

J. Anitha Kumari
M. Manmohan

Research scholars

Mr.Shaleem Raj

34.1. Research Projects

Research projects completed

1. **Principal Investigator:** Dr K.Dinakar, **Title:** Efficacy of low dose lung Radiotherapy in the management of Covid 19 patients – a randomized open label study.

Ongoing research projects

1. **Principle Investigator:** Dr Pranabandhu Das **Title:** To compare the incidence of radiation induced hypothyroidism after exposure to more than Vs less than 50% of total thyroid volume to 45Gy following EBRT in patients with head and neck cancer. Funded by : SBAVP

34.2. Research Work

Thesis work

Theses submitted

1. **Divya sowjanya.** A prospective study to the impact of patients immobilization using a belly board device on small bowel toxicity among patients with carcinoma cervix receiving pelvic external beam radiotherapy (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Harika A.** prospective study of comparison between volumetric versus point based planning for intra cavitary brachytherapy in carcinoma cervix (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3. **Shiny A.** Comparative study of concomitant boost radiotherapy versus conventionally fractionated chemo radiotherapy in treatment of locally advanced carcinoma of head and neck (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. **Susan.** A prospective study to evaluate the occurrence of pneumonitis following adjuvant radiotherapy in breast cancer patients (MD Thesis).
2. **Sravanthi,** A prospective study to evaluate the clinical outcome and dose volume histogram (DVH) parameters of adaptive intensity modulated radiotherapy in the treatment of patients with head and neck cancers (MD Thesis).
3. **Yamini,** A prospective study to compare tumor response and toxicities in unresectable non small cell lung cancers treated by concurrent chemotherapy using two chemotherapy regimens

such as cisplatin and etoposide Vs carboplatin and paclitaxel (MD Thesis).

34.3. Publications

Publications in indexed journals

1. Anusha G, Subramanian BV, Das P, Kalawat TC, Aruna K Prayaga. Hepatoid Adeno carcinoma of lung presenting as unknown primary with cervical lymphadenopathy. A rare case report. J Clin Diagn Res 2021;5(8).
2. Haripriya G, Das P, Subramanian BV, Rukmangadha N, Lakshmi AY. A rare clinical scenario of central Neurocytoma of brain among two young adult patients. J Clin Diagn Res 2021;15(9).
3. Sravani K, Das P, Subramanian BV, Kalawat TC, Rukmangadha N. Recurrent thymoma mimicking T-Lymphoblastic lymphoma. An unusual case presentation. J Clin Diagn Res 2021;5(10).

35.0 DEPARTMENT OF RHEUMATOLOGY

Assistant Professor & Head

Dr K.Sirisha

Junior Resident

Dr G.Yamini

36.0 DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Professor & Head

Dr Venkatarami ReddyV

Faculty

Dr G.Siva Rama Krishna
Dr Sravanti.B

Dr C.Chandramaliteeswaran
Dr Lokesh Arora

M.Ch Residents

Dr Sudish. D

Dr PrudhviRaj.K

PDF Residents

Dr Gourappa.K

Dr Dinakara

Senior Residents

Dr Reddy Dilip Kumar

36.1. Awards, achievements and felicitations

1. **Dr Siva Rama krishnaGavini** has successfully completed the Certificate Level year of the FAIMER-Keele *Master's in Health Professions Education: Accreditation and Assessment* between September 2019 and August 2020, UK.
2. **Dr Siva Rama KrishnaGavini** was awarded Master's in Clinical Research from Lancaster university on 15th Oct 2020.

Fellowships received.

1. **Dr Sravanti.B**, was awarded Fellowship of FIAGES by the Indian Association of Gastrointestinal Endo-surgeons in September 2021 at Chennai.
2. **Dr Lokesh Arora**, was awarded Fellowship of FIAGES by the Indian Association of Gastrointestinal Endo-surgeons in September 2021 at Chennai.
3. **Dr Sravanti.B**, was awarded FALS (Colorectal) Fellowship in Advanced Colorectal Laparoscopy by the Indian Association of Gastrointestinal Endo-surgeons in October 2021 at Chennai.

4. **Dr Lokesh Arora**, was awarded FALS (Colorectal) Fellowship in Advanced Colorectal Laparoscopy by the Indian Association of Gastrointestinal Endo-surgeons in October 2021 at Chennai.

36.2. Research work:

Thesis work

Theses submitted

- 1 Lokesh Arora. Effect of Antecolic or Retrocolic Gastrojejunostomy on delayed gastric emptying after Pancreaticoduodenectomy (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

- 1 Sudish D. Comparison of delayed gastric emptying following pyloric ring resection Whipple's with classical Whipple's procedure (MCh Thesis).
- 2 Prudhvi Raj K. A prospective randomised study comparing Frey's procedure alone with combined Frey's and intra-operative celiac plexus neurolysis in pain control in chronic pancreatitis (MCh Thesis).

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36.3 Conferences attended; lectures delivered

1. Dr G. Siva Rama Krishna, attended

- Online training program on occupational health for Health care workers on 9th Nov 2021, organised by Consortium of Accredited health care organisations (virtual).
- NABH program on implementation (5th Edition) on 10th to 12th December 2021 (virtual)

2. Dr Sravanti.B, attended XXXIst National Conference (IASGCON 2021 Virtual) on 9th & 10th October 2021

3. Dr Lokesh Arora, attended

- IASGCON 2020 Virtual and presented oral paper “Effect of antecolic vs Retrocolicgastrojejunostomy on Delayed gastric emptying after nonpylorus preserving Pancreaticoduodenectomy” on 20th & 21st February 2021.
- XXXIst National Conference (IASGCON 2021 Virtual) on 9th & 10th October 2021

36.4. Presentations by postgraduate students

1. Dr Sudish.D, attended

- XXXth National Conference (IASGCON 2020 Virtual) and presented an e-Poster “Benign mesenchymal hamartoma liver” on 20th & 21st February 2021.
- XLIV Annual State conference APASICON 2021 in the online Virtual conference and presented a free paper titled “Comparison of pyloric ring resection Pancreaticoduodenectomy (PRPD) vs Classical Pancreaticoduodenectomy (CPD) in terms of post operative delayed Gastric emptying” at Kakinada held on 2nd & 3rd October 2021.
- XXXIst National Conference (IASGCON 2021 Virtual) and presented a paper in the free oral paper

session “Interim analysis of comparative study between pyloric ring resection Whipples with classic Whipples in terms of delayed gastric emptying” on 9th & 10th October 2021.

2. Dr Reddy Dilip Kumar, attended

- XLIV Annual State conference of ASI AP Chapter (APASICON 2021) and presented a free paper titled “Cyto-reductive surgery combined with HIPEC in treatment of peritoneal carcinomatosis” in the online virtual conference at Kakinada held on 2nd & 3rd October 2021.

36.5. Publications

Publications in indexed journals

1. GaviniSiva and Janke, Katharina and Gadoud, Amy and Salifu, Yakubu. *A systematic review of the resource use of a palliative care approach in adult non-cancer patients with a life-limiting illness*. PROSPERO International prospective register of systematic reviews 2020.

36.6 CMEs / Seminars / Workshops attended:

1. Dr Sravanti Balaga, attended the Advanced Laparoscopy training programme conducted by the Johnson & Johnson Ethicon Endosurgerydivision at Chennai on 18th and 19th of December, 2021.
2. Dr Lokesh Arora attended the Advanced Laparoscopy training programme conducted by the Johnson & Johnson Ethicon Endosurgerydivision at Chennai on 18th and 19th of December, 2021.

36.7 Other academic activities of significance:

1. Department organizes GUT CLUB meeting last Tuesday of every month for practicing surgeons and physician in Tirupati.
2. Department has conducted DNB practical exam twice in the last academic year

37.0 DEPARTMENT OF SURGICAL ONCOLOGY

Professor & Head

Dr H.Narendra

Faculty

Dr B.Manilal

Dr S.Nagesh Kumar

MCh PG Senior Residents

Dr B.Bhavya

Dr GVV Prasad Reddy

Dr P.Vinodhini

Dr C.SaiPraneeth

Dr M.Jayachandra Reddy

Dr Shathak S Baikady

Dr S.Chaitanya Vani

Ph.D Scholar

S. Raghava Krishna

37.1 Awards, achievement and felicitations :

1. Dr M.Jayachandra Reddy, MCh Resident was awarded **“Vyaghreswarudu Best Paper”** for the paper “Dynamic contrast enhanced Magnetic Resonance Imaging (VS)18 FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer” at APASICON 2021 Kakinada 44th Annual State Conference of ASI AP Chapter during 2 – 3 October 2021(Virtual).
2. Dr M.Jayachandra Reddy, MCh Resident was awarded **“Best State Chapter Paper”** for the paper “Dynamic contrast enhanced MRI vs PET CT in assessing response following Neo Adjuvant Chemotherapy in patients with Breast Cancer” at 81st Annual Conference of ASI Virtual ASICON-2021 during 17 – 19 December 2021.
3. Dr M. Jayachandra Reddy, MCh Resident was awarded **“2nd Prize in Best Research Paper”** for the paper “Dynamic contrast enhanced Magnetic Resonance Imaging (VS)18 FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer” at 81st Annual Conference of ASI Virtual ASICON-2021 during 17 – 19 December 2021.

37.2 Fellowships received

1. Dr M.Jayachandra Reddy, MCh Resident was Fellow of International College of Surgeons (FICS)

2. Dr M.Jayachandra Reddy, MCh Resident was Fellow of American College of Surgeons (FACS)

37.3 Research project

Completed research projects

1. **Principal Investigator** : Dr H.Narendra, **Title** : Rapid Molecular Evaluation of Surgical Resection Margin of Cancer Using Mass Spectrometric Imaging.
2. **Principal Investigator** : Dr H.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** : SBAPV, SVIMS.

37.4 Research Work

Thesis work

Theses submitted

1. Bhavya B. A Prospective study to Assess the Involvement of Lesser Sac and the Role of Lesser Omentectomy in the Management of Advanced Epithelial Ovarian Cancers (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. Sai Praneeth C. A prospective study to evaluate the prevalence and pattern of axillary lymphnode metastasis in patients undergoing surgery for

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carcinoma breast (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3. Chaitanya Vani S. A retrospective analysis of implications of lymph node positivity and lymph node ratio on survival in node positive women with breast cancer (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. Prasad Reddy GVV. A prospective evaluation of diagnostic accuracy of intraoperative consultation (Frozen section) and its influence in management of complex ovarian masses (MCh Thesis).
2. Jayachandra Reddy M. Correlation of plasma 25-hydroxy vitamin D levels with risk of breast cancer – A case control study (MCh Thesis).
3. Vinodhini P. A prospective evaluation of role of imaging, HPV and EBV detection in lymph node biopsy specimens of patients with squamous cell carcinoma of unknown primary in neck (MCh Thesis).
4. Shathak S Baikady. A prospective study to evaluate the role of prophylactic contralateral selective neck dissection in clinical T3 and T4 oral cavity squamous cell cancer (MCh Thesis).
5. Raghava Krishna S. 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 (PhD Thesis).

37.3 Conferences attended, lectures delivered

National:

1. Dr H.Narendra, Professor and Head, attended

- Delivered a lecture on “Types of Stoma and Complications: Webinar” organized by Coloplast India Limited on 27th February 2021.
- Delivered a lecture on “Changing paradigm in the surgical management of Breast Cancer” in CME organized by Indian Medical association, Tirupati Chapter during 27th May 2021.

- 6th Regional Inter State Seminar - Seminar on Oncology organized by SV Medical College Alumni Association & IMA at Tirupati on 27th May 2021.
- NATCON 2021 34th Annual Conference of IASO during 23-24 & 30-31 October, 2021 (Online Mode).
- Guest speaker “Recent advances in Pulmonary metastatectomy” during NATCON IASO, October 2021
- 81st Annual Conference of ASI Virtual ASICON-2021 during 17-19 December 2021.
- Invited faculty Panel discussion on Management of Colorectal liver secondaries at ASICON 2021, December 2021

37.4 Presentations by postgraduate students:

APASICON 2021, Kakinada 44th Annual State Conference of ASI AP Chapter during 2 – 3 October 2021 (Virtual).

1. Dr GVV Prasad Reddy, presented a paper “Diagnostic thyroidectomy for Bethesda III thyroid nodules: Pathological outcomes and risk factors for malignancy” and presented a paper on An unusual presentation of papillary thyroid carcinoma as parapharyngeal mass.
2. Dr M. Jayachandra Reddy, presented a paper “Dynamic contrast enhanced Magnetic Resonance Imaging (VS)18 FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer”.

Dr M.Jayachandra Reddy, attended

- Participated 17th Annual Live Surgery Workshop “ONCOSURG2021”, Mumbai during 19-21 November 2021(Virtual).
- ABSICON -2021 Hybrid Conference 10th Annual Conference of The Association of Breast Surgeons of India held at Kolkata during 26-27 November 2021.
- NATCON 2021 34th Annual Conference of IASO and presented E-POSTER during 23-24 & 30-31 October, 2021 (Virtual).

- 81st Annual Conference of ASI Virtual ASICON-2021 and presented a paper “Dynamic contrast enhanced Magnetic Resonance Imaging (VS)18 FDG PET CT in assessing response following neoadjuvant chemotherapy in patients with breast cancer” during 17 – 19 December 2021.

37.5 Publications

Publications in indexed journals :

1. Ranganathan P, Sengar M, Chinnaswamy G, Agrawal G, Arumugham R, Hulikal N, et al. Impact of COVID-19 on cancer care in India: a cohort study. *Lancet Oncol* 2021;22:970–6; [https://doi.org/10.1016/S1470-2045\(21\)00240-0](https://doi.org/10.1016/S1470-2045(21)00240-0).
2. Inamdar MB, Hulikal N, Banoth M, Reddy V, Kinnera SBV, Mangu HR. A Prospective Single Centre Study of Preoperative Blood Ordering Versus Actual Usage Among Patients Undergoing Elective Curative Oncological Resections in a Tertiary Care Hospital in India. *Indian J Surg Oncol* 2021;12: 491–7. <https://doi.org/10.1007/s13193-021-01354-0>
3. Reddy S, C.T., Mohan V. S, K., Jeepalem, S.M. et al. Utility of 18F-FDG PET/CT in Management of Pancreatic and Periapillary Masses—Prospective Study from a Tertiary Care Center. *Indian J Surg Oncol* (2021). <https://doi.org/10.1007/s13193-021-01434-1>
4. Kumar VN, Hulikal N, Banoth M. A Randomized Controlled Study of Quilting with Axillary Lymphatic Ligation Versus Conventional Modified

Radical Mastectomy in Patients with Breast Cancer. *Indian J Surg Oncol* (2021). <https://doi.org/10.1007/s13193-021-01453-y>.

5. Hulikal N, Kumar SN, Gopinath KS. Surgery for Cancer in the Wake of Second and Future Waves! Challenges and Opportunities in the Indian Context. *Indian J Surg Oncol* (2021). <https://doi.org/10.1007/s13193-021-01392-8>
6. Mudhigeti N, Kalawat U, Hulikal N, Racherla RG. E6-E7 based nested multiplex PCR assay for genital HPV detection and simultaneous typing of 15 high and low-risk HPV types, *Indian Journal of Medical Microbiology*, <https://doi.org/10.1016/j.ijmm.2021.11.009>.

37.6 CMEs/Seminars/Workshops/Orations conducted by the department

1. Conducted 1st Sri Simhadri Satyanarayana Rao Endowment chair oration on 28.10.2021. Dr E. Hemanth Raj, Professor, Department of Surgical Oncology and Executive Vice Chairman, Cancer Institute (WIA), Adyar, Chennai was the Orator who spoke on “Primary and Secondary Prevention of Cancer – our experience”.
2. Conducted 5th Annual Surgical Oncology Chair Oration at Sri Padmavathi Auditorium, SVIMS, Tirupati on 20.12.2021. Dr Anil K Dcruz, Professor, Ex- Director, TMH, Mumbai; Director – Oncology, Apollo Hospitals, Mumbai was the Orator who spoke on “Oral Cancers – Tailoring guidelines to the Indian Context ”.

38.0 DEPARTMENT OF T.B & R.D

Faculty

Dr A.R. Chaitanya

38.1 Conferences attended, lectures delivered:

1. Dr A.R Chaitanya, attended 2nd Annual International Conference of Interventional Pulmonology- BRONCHUS-2021

39.0 DEPARTMENT OF TRANSFUSION MEDICINE

Professor & Head

Dr K.V.Sreedhar Babu

Faculty

Dr R.Arun

Dr B.Suresh Babu

Senior Resident

Dr C.Keerthi

PG Residents

Dr G.Sandhya

Dr C.Ravikanth

39.1 Ongoing Research Projects

National

1. “Seroprevalence of neutralizing antibodies to covid-19 among blood donors in a tertiary care hospital from South India” - in collaboration with the Department of Microbiology.

39.2 Research Work

Thesis work

Theses submitted

1. **Sandhya G.** “A study to formulate maximum surgical blood order schedule at a tertiary care referral teaching institute in Andhra Pradesh” (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. **Ravikanth C.** A Cross sectional observational study on estimation of ABO anti-A and anti-B agglutination titers among blood donors at tertiary care referral teaching hospital blood bank (MD Thesis).

39.3 Conference attended, lectures delivered

1. Dr R.Arun, attended

- Annual National Conference of TRANSCON 2020 and delivered Guest lecture on “Lab side approach to Autoimmune hemolytic anemia” held at Chennai on 28th February 2021.
- Revised basic course workshop and delivered lecture on Group dynamics, Educational networking for growth and Use of media held at Medical Education Unit, SVIMS, Sri Padmavathi Medical College for

Women, Tirupati from 29th September to 1st October 2021.

- EPIC-2021 (E-Pathology International Conference 2021) and delivered Guest Lecture on “ABO discrepancies and its resolution” held at Mahatma Gandhi Medical College and Research Institute, Puducherry on 2nd December 2021.

2. Dr C. Ravikanth, attended

- Presented E-poster titled “Analysis of Blood and blood components wastage at ward side in a tertiary care teaching hospital in South India” at TRANSCON-2020 virtual conference ISBTI (Indian Society of Blood Transfusion and Immunohaematology) organized by ISBTI Tamil Nadu (45th Annual National Conference of ISBTI) during 27th -28th February 2021.
- Presented Oral paper titled “Association of Antisera Cov-2 virus IgG antibody levels in COVID-19 recovered individuals with computerized Tomography severity index” at TRANSCON-2020 virtual conference (45th Annual National Conference of ISBTI) ISBTI (Indian Society of Blood Transfusion and Immunohaematology) Organized by ISBTI Tamil Nadu during 27th -28th February 2021.

39.4 Publications

Publications in indexed journals

1. Chinthapeta K , Arun R , Bandi SB, Kinnera VSB, Alladi M, Chodimella C, et al., Serological Characterization of Auto-antibodies in Patients with Direct Antiglobulin Test Positive Autoimmune Haemolytic Anaemia at a Tertiary Care Teaching Hospital in Tirupati, India. Jour Clin Diag Res 2021;15:EC12-EC15.
2. Sandhya G, Arun R, Suresh B, Kinnera VSB. Impact of SARS-CoV-2 Pandemic on Blood Transfusion Services in a Tertiary Care Teaching Hospital Blood Centre in South India. J Res Med Dent Sci, 2021, 9: 8-11
3. Suresh B, Ravikanth C, Arun R , Sreedhar Babu KV, Vijayalakshmi D. Association of Anti-SARS-CoV-2 Virus IgG antibody levels in COVID-19 recovered individuals with age, gender, blood group and

computerized tomography severity index. Int Jour Health Clin Res 2021;4:164-6.

39.5 CMEs/Seminars/Workshops attended

1. Dr K.V.Sreedhar Babu, attended

- 16th CME in hematology for post graduates organized by Department of Transfusion medicine and Immunohaematology, CMC, Vellore on 21st-22nd July 2021.
- Participated in revised basic course workshop at SVIMS- Sri Padmavathi Medical college for Women, Tirupati on 29th & 30th September 2021 & 1st October 2021 conducted by Medical Education Unit, SVIMS-SPMCW.
- First National conference on Haemovigilance organized by National Institute of Biologicals, NOIDA, Ministry of Health & Family Welfare, Govt. of India on 9th to 11th December 2021.

2. Dr R.Arun, attended

- Virtual workshop on Clinical audit organized by NABH, New Delhi on 4th April 2021.
- National level CME and workshop on “Irregular antibody screening and identification” organized by the department of Pathology and Transfusion Medicine at Chettinad hospital and research institute on 2nd April 2021.
- 16th CME in hematology for post graduates organized by Department of Transfusion medicine and Immunohematology,CMC,VELLORE on 21st-22nd July 2021.
- 8th Conference on “National Seminar on Hematology”-“Theme:Present and future Trends in Hematology”- organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 29th August 2021.
- 9th Conference on “National Conference on reproductive medicine and surgery” Theme: Recent Advances in Reproductive Medicine & Surgery organized by Sri Venkateswara Medical College

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Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati Chittoor Dt., A.P State on 29th August 2021.

- CME, International symposium on blood safety virtual organized by Department of Transfusion Medicine, PGIMER, Chandigarh in collaboration with International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands on 2nd October 2021.
- Workshop on coagulation CASCADE 2021 organized by the department of IHBT, Jubilee Mission Medical college and Research Institute, Thrissur from 13th to 10th December 2021.
- First National conference on Haemovigilance organized by National Institute of Biologicals, NOIDA, Ministry of Health & Family Welfare, Govt. of India on 9th to 11th December 2021.

3. Dr B.Suresh Babu , attended

- Virtually TRANSCON 2020 ISBTI(Indian Society of Blood Transfusion and Immunohaematology organized by ISBTI Tamilnadu (45th National conference) during 27th to 28th February 2021.
- Virtually National level CME and workshop on CHETTRANSCON 2021 –on “Insight into the essence of pre transfusion testing” – organized Dept. Pathology and Transfusion Medicine at chettinad Hospital and Research institute on 29th April 2021.
- 16th CME in hematology for post graduates by Department of hematology and the dept of Transfusion medicine and Immunohematology on 21st-22nd July 2021.
- 8th National conference on hematology organized by SVMCAA, Sri Venkateswara Medical College Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati, Chittoor Dt., A.P State Tirupati on 29th August 2021.

- Participated in revised basic course workshop at SVIMS- Sri Padmavathi Medical college for Women, Tirupati on 29th & 30th September 2021 & 1st October 2021 conducted by Medical Education Unit.
- CME, International symposium on blood safety virtual organized by Department of Transfusion Medicine, PGIMER, Chandigarh in collaboration with International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands on 2nd October 2021.
- First National conference on Haemovigilance organized by National Institute of Biologicals, NOIDA, Ministry of Health & Family Welfare, Govt of India on 9th to 11th December 2021.
- Virtual International Conference on “Interventional Radiology” organized by Sri Venkateswara Medical College Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati, Chittoor Dt., A.P State on 19th December 2021.

4. Dr C.Keerthi, attended

- Virtually TRANSCON 2020 ISBTI(Indian Society of Blood Transfusion and Immunohaematology organized by ISBTI Tamilnadu (45th National conference) during 27th to 28th February 2021.
- Virtually National level CME and workshop on CHETTRANSCON 2021 –on “Insight into the essence of pre transfusion testing” – organized Dept. Pathology and Transfusion Medicine at chettinad Hospital and Research institute on 29th April 2021.
- 7th Regional Inter State Seminar (Online)”Seminar on Rheumatology” organized by Sri Venkateswara Medical College Almuni Association, (SVMCAA), Golden Jubilee Knowledge Home, S.V.M.C. Campus, Tirupati, Chittoor Dt., A.P. State on 25th July 2021.
- “Seminar on Oncology” –organized by SVMCAA, Sri Venkateswara Medical College Almuni Association, (SVMCAA), Golden Jubilee Knowledge Home, S.V.M.C. Campus, Tirupati, Chittoor Dt., A.P. State on Tirupati on 27th June 2021.

Sri Venkateswara Institute of Medical Sciences

- Virtually 8th Conference “National Seminar on Hematology”-“Theme:Present and future Trends in Hematology”- organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 29th August 2021.
 - Virtually 9th Conference “National Conference on reproductive medicine and surgery” Theme: Recent Advances in Reproductive Medicine & Surgery organized by Sri Venkateswara Medical College Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati Chittoor Dt., A.P State on 29th August 2021.
 - CME, International symposium on blood safety virtual organized by Department of Transfusion Medicine, PGIMER, Chandigarh in collaboration with International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands on 2nd October 2021.
 - 6th Annual state conference of Indian Medical Association, virtual held at ASRAM College, Eluru, West Godavari Dt., organized by Indian Medical Association, Eluru, West Godavari Dt.,AP during 20th to 21st November 2021
 - International Conference on “Interventional Radiology” organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 19th December 2021.
- 5. Dr G.Sandhya, attended**
1. Virtually TRANSCON 2020 ISBTI(Indian Society of Blood Transfusion and Immunohaematology organized by ISBTI Tamilnadu (45th National conference) during 27th to 28th February 2021.
 2. Virtually CME on Transfusion Medicine COVID-19 PANDEMIC held at ESIC; Sanath Nagar, Hyderabad on 27th March 2021.
 3. Virtually National level CME and workshop on CHETTRANSCON 2021 –on “Insight into the essence of pre transfusion testing” – organized Dept. Pathology and Transfusion Medicine at chettinad Hospital and Research institute on 29th April 2021.
 4. Post Graduate CME in Hematology organized by the department of Haematology and the Department of Transfusion Medicine and Immunohaematology Christian Medical College, Vellore, during 21st to 22nd July 2021.
 5. Virtually 8th Conference “National Seminar on Hematology”-“Theme:Present and future Trends in Hematology”- organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 29th August 2021.
 6. Virtually 9th Conference “National Conference on reproductive medicine and surgery” Theme: Recent Advances in Reproductive Medicine & Surgery organized by Sri Venkateswara Medical College Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati Chittoor Dt., A.P State on 29th August 2021.
 7. CME, International symposium on blood safety virtual organized by Department of Transfusion Medicine, PGIMER, Chandigarh in collaboration with International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands on 2nd October 2021.
 8. CME organized by Dept. of Transfusion Medicine, Saveetha Medical College and Hospital, Chennai on 27th October 2021.
 9. Young Professional Forum of ISTM as speaker presented a webinar titled Voluntary Blood donation ‘From Globe to Ground’ on 10th November 2021.

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10. 6th Annual state conference of Indian Medical Association, virtual held at ASRAM College, Eluru, West Godavari Dt., organized by Indian Medical Association, Eluru, West Godavari Dt.,AP during 20th to 21st November 2021.
11. CME on “Apheresis-A Comprehensive Appraisal” organized by Dept. of Transfusion Medicine, Saveetha Medical College and Hospital, Chennai in association with ISBTI Tamilnadu Chapter on 1st December 2021.
12. International Conference on “Interventional Radiology” organized by Sri Venkateswara Medical College Alumni Association, held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 19th December 2021.

Dr C.Ravikanth, attended

1. **Virtually** CME on Transfusion Medicine COVID-19 PANDEMIC held at ESIC; Sanath Nagar, Hyderabad on 27th March 2021.
2. Virtually National level CME and workshop on Irregular Antibody Screening and Identification “CHETTRANSCON 2021 –on “Insight into the essence of pre transfusion testing” – organized by Dept. Pathology and Transfusion Medicine at chettinad Hospital and Research institute on 29th April 2021.
3. 7th Regional Inter State Seminar (Online)”Seminar on Rheumatology” organized by Sri Venkateswara Medical College Almuni Association,(SVMCAA), Golden Jubilee Knowledge Home, S.V.M.C. Campus, Tirupati, Chittoor Dt.,A.P. State on 25th July 2021.
4. CME in Hematology organized by Christian Medical College, Vellore,Tamil Nadu during 21st July to 22nd July 2021.
5. Virtually 8th Conference “National Seminar on Hematology”-“Theme:Present and future Trends in Hematology”- organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association

(SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 29th August 2021.

6. CME, International symposium on blood safety virtual organized by Department of Transfusion Medicine, PGIMER, Chandigarh in collaboration with International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands on 2nd October 2021.
7. CME organized by Dept. of Transfusion Medicine, Saveetha Medical College and Hospital, Chennai on 27th October 2021.
8. Young Professional Forum of ISTM as speaker presented a webinar titled Voluntary Blood donation ‘From Globe to Ground’ on 10th November 2021.
9. 6th Annual state conference of Indian Medical Association, virtual held at ASRAM College, Eluru, West Godavari Dt., organized by Indian Medical Association, Eluru, West Godavari Dt.,AP during 20th to 21st November 2021.
10. First National Conference on Haemovigilance organized by National Institute of Biologicals; NOIDA Ministry of Health and Family Welfare, Government of India during 9th – 11th December 2021.
11. International Conference on “Interventional Radiology” organized by Sri Venkateswara Medical College Alumni Association,held at Dr Jeerreddi Prasad Auditorium, Dr Prem Sagar Reddy Building, S.V.Medical College Almuni Association (SVMCAA) Golden Jubilee Knowledge Home, S.V.M.C.Campus, Tirupati,Chittoor Dt.,A.P State on 19th December 2021.

39.5. Other academic activities:

Dr K.V.Sreedhar Babu,

1. Examiner – DNB/NBE for IHBT at St. John’s Medical College, Bengaluru on 09.03.2021.
2. External Examiner – II MBBS Practicals at Department of Pathology, Govt. Medical College & ESI Hospital, Coimbatore, Tamilnadu between 05.10.2021 to 08.10.2021.

3. Moderator for DNB/NBE for IHBT at NBE, New Delhi on 30.11.2021.
 4. Internal Examiner for MD Transfusion Medicine post graduate at SVIMS, Tirupati on 12th and 13th May 2021.
 5. Evaluated Thesis of Post Graduate Students of MD IHBT, Vinayaka Mission Medical College, Salem.
 2. External Examiner for MD Transfusion Medicine post graduates at JIPMER, puducherry on 22nd-23rd July 2021
 3. Internal Examiner for MD Transfusion Medicine post graduate at SVIMS, Tirupati on 12th and 13th May 2021
 4. Scientific committee faculty member in TRANSCON- ISBTI National conference held at Chennai on 27th and 28th February 2021
- Dr Arun,**
1. Done NABH Blood bank Assessor-Observer on 3rd July 2021 at NTR Blood bank, Hyderabad.

40.0 DEPARTMENT OF UROLOGY

Professor & Head

Dr N.Anil Kumar

Faculty

Dr Ch.Konda Reddy

Dr B.Manoj

PG MCh Senior Residents

Dr Rakesh Pradeep

Dr Ashis Kumar Singh

Dr Sashi Kumar

Dr Vaibhao Mahadeo

Dr N.Anirudh Suseel

Dr M.Harsha Vardhana Varma

Dr Anupam Bhargava

Dr Ashish Kumar Jayanth

40.1 Research Work

Thesis work

Theses submitted

1. Narendranath L. Mid stream urine, pelvic urine and Renal Stone culture & sensitivity as predictors of urosepsis following percutaneous nephrolithotomy – A prospective observational study (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
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 (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
4. Amit Kumar. Comparison of percutaneous nephrolithotomy (PCNL) outcomes in different stone density values (MCh Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. 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 (MCh Thesis).
2. Ashish Kumar Singh Comparative study of upper versus lower calyceal approach in percutaneous nephrolithotomy for managing complex renal calculi – A prospective observational study (MCh Thesis).
3. Vaibhao Nasare “Study of factors affecting surgical outcome of excision and end to end anastomosis for bulbar urethral stricture – A prospective observational study (MCh Thesis).
4. 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 (MCh Thesis).
5. Anirudh Suseel N. A study to evaluate the complications of laparoscopic renal and adrenal surgeries using modified clavien-dindo classification” (M.Ch Thesis).
6. Harsha Vardhana Varma M. A study of preoperative clinical predictors of lymphovascular invasion on histopathological examination of transurethral resection of bladder tumours (MCh Thesis).

7. Ashish Kumar Jayanth. A study of impact of percutaneous access point number and location on surgical outcomes in percutaneous nephrolithotomy – A prospective observational study (MCh Thesis).
8. Anupam Bhargava. A study of risk factors and complications of neglected double J stent in cases presenting to urology, SVIMS (MCh Thesis).
4. Anupam Bhargava, presented a paper on “Analysis of the functional outcome of Anderson Hynes Pyeloplasty using DTPA Renography in patients with symptomatic PUJ Obstruction”.
5. Anupam Bhargava, presented a poster on “Upper tract urothelial carcinoma presenting as a poorly functioning kidney: A case report”.

40.2 Presentations by postgraduate students

SZUSICON held on 6-8 August, 2021 virtually (Online).

1. Vaibhao Mahadevo, presented a paper on Study of outcome of Renal function in patients of Chronic Kidney Disease following percutaneous nephrolithotomy for symptomatic renal calculus disease.

2. Ashish Kumar Singh, presented a paper on Evaluation of preoperative factors to identify impacted stones in patients undergoing ureteroscopic lithotripsy.

SOGUS AP & TS held on 11th & 12th December, 2021 at NRI Medical College, Guntur.

1. Anirudh Suseel N, presented a paper on “A study of complications of laparoscopic renal surgeries using modified Clavien-Dindo classification”.
2. Harsha Vardhana Varma.M, presented a paper on “Preoperative clinical predictors of lymphovascular invasion in bladder tumours: A retrospective analysis”.
3. Harsha Vardhana Varma M, presented a poster on “Rare case of an immature testicular teratoma in a 3 month old child: A case report”.

6. Ashish Kumar Jayanth presented a paper on “Autologous tensor fascia lata transvaginal sling Vs “Autologous rectus fascia transvaginal sling for the treatment of urinary stress incontinence – A prospective study”.
7. Ashish Kumar Jayanth, presented a poster on “Aspergillosis in high grade transitional cell carcinoma of bladder – A case presentation.

40.3 Publications

1. Kumar Shashi, Anil Kumar N, Konda Reddy C H, Pradeep Rakesh, Singh Ashish kumar, Nasare vaibhao mahad, TRUS guided prostate biopsy complications an initial 2 years experience at our centre SVIMS, Tirupati, IJMSR journal, Volume3, issue6, Nov-Dec 2021, Page No:606-609.

40.4 Other academic activities

1. Every Monday to Friday 7.30am to 8.30am Seminar, Clinical discussion, journal club, thesis review, operative surgery discussion.

41.0 COLLEGE OF NURSING

Professor / Principal I/c

Dr P. Sudha Rani

Associate Professors

Mrs. S.Swarna
Mrs. K. Varalakshmi
Dr M. Nagarathnam

Dr C. UshaKiran
Dr M. Sreelatha

Assistant Professors

Dr S. Hemalatha
Dr M. Bhagya Lakshmi

Mrs. B. Kokilamma

Tutors

Mrs. V. Naganandini
Mrs. P. Christina Bharathi
Mrs. K. Gowri Devi

Mrs. B.M. Madhavi Mrs. P. Sreedevi Annapurna
Mrs. M. Lakshmi Devi Mrs. C. Pragasa Mary
Mrs. P. Sumalatha

Ad- hoc Tutors

Miss. M. China Nagendram

Mrs. K. Bujji

Staff Nurses on Deputation

Mrs. V. Karpugam

Mrs. D. Reddemma Mrs. A. Shobha Rani

41.1 Awards, achievements and felicitations

1. Mr. C.H. Gunnaiah got 1st prize World Diabetic Day Quiz competition programme conducted by Endocrinology Department, SVIMS on 24th November 2021.
2. Ms. B. KrupaBharathi, got 2nd prize World Diabetic Day Quiz competition programme conducted by Endocrinology Department, SVIMS on 24th November 2021.

41.2 Dissertation Work

Dissertation submitted

1. **Anjali B.** A study to assess the effectiveness of self instrational module on level of knowledge regarding importance of out door physical activities (MSc).

Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

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 (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

3. **Shalini P.** 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 (D) (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

4. **Vijaya Kumar G.** A comparative study to assess the knowledge regarding hazards of videogaming addiction from govt and private school children in selected schools, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
5. **Gowri Devi P.** A Study to assess the knowledge regarding heat stroke management among school teachers, Tirupati.” (Advised to review & the articles) (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
6. **Vijayanirmala K.** A Comparative study to assess the domestic practices followed by women during COVID-19 Pandemic between selected urban and rural areas of Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
7. **Hemavathi T.** A Study to assess the knowledge regarding standard precautions among health care providers at selected health care centres, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
8. **Sasi Kumari JV.** A Study to identify the contributing factors for living in selected geriatric homes by elderly – Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
9. **Lavanya Y.** A Comparative study to assess individual versus group pre-marital counseling among adolescent girls.” (Setting: If college opens Quasi-Experimental, other wise comparative (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
10. **Vishnuvardhan,** A Study to assess the knowledge regarding Mission Indradhanash among mother’s of under five children at Municipal Maternity Health Centre, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
11. **Ghousabee V.** A Study to assess the knowledge regarding JSSK services among antenatal mothers attending MCH centre, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
12. **Gopi J.** Effectiveness of STP on spillage management among 2nd year B.Sc(N) students at college of nursing, SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
13. **Nagajyothi P.** 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 (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
14. **Bhargavi C.** A Study to assess the effectiveness of STP on knowledge regarding vaginitis and its prevention among adolescent girls in selected high schools, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
15. **Bharathi G.** A Study to assess the knowledge regarding hysterectomy among women attending at MCH centre, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
16. **Dhana Lakshmi N.** 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 (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
17. **Jerusha Supriya B.** A Study to assess the knowledge regarding pregnancy induced hypertension among antenatal mothers attending to MCH centre, Tirupati (MSc). Tirupati: Sri

- Venkateswara Institute of Medical Sciences; 2021.
18. **Srilatha A.** A Study to assess the effectiveness of STP on lifestyle modifications among post menopausal women in selected rural areas, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 19. **Vidya M.** A Comparative study on coping strategies of cancer cervix patients receiving chemo and radiation therapies at SVIMS, Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 20. **Sudha Blessy K.** A Study to assess the fear and anxiety among parents of school going children during COVID-19 pandemic in selected schools of Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 21. **Prasanna Lakshmi TN.** A Study to assess the psychological impact of COVID-19 pandemic among older people in selected areas of Tirupati (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
- Ongoing dissertation work**
1. **C.H. Gunnaiah,** A comparative study to assess the knowledge on pediatric ventilator care among B.Sc(N) students of SVIMS, Tirupati (MSc).
 2. **K. Neelima,** A study to assess the knowledge regarding revised immunization schedule among mother of under five children at pediatric OPD, SVIMS (SPMC(W)), Tirupati(MSc).
 3. **K. Obulesu,** A study to assess the effectiveness of planned teaching programme on knowledge regarding prevention of vitamin-D deficiency among mother of under five children in selected urban area at Tirupati (MSc).
 4. **G. SaiGeetha,** A study to assess the knowledge regarding pre-mature babies care among antenatal mother at selected health centre, Tirupati (MSc).
 5. **G. Madhavi,** A study to assess the knowledge regarding self-care management of client with diabetes in selected urban slums, Tirupati (MSc).
 6. **K. SindhuPriya,** Knowledge assessment of accredited social health activist about the rashtriyabalaswasthyakaryakram in selected urban slums, Tirupati (MSc).
 7. **V. Revathi,** A study to assess the knowledge on risk factors warning signs of myocardial infarction among patients attending and OPD, SVIMS, Tirupati (MSc).
 8. **K. Poojitha,** Assessment of knowledge on prevention of deep vein thrombosis among patients admitted in pre-operative wards SVIMS, Tirupati (MSc).
 9. **B. KrupaBharathi,** A study to assess the knowledge regarding the warning signs of renal failure patients attending to OPD's in SVIMS, Tirupati (MSc).
 10. **P. Naga Surekha,** A comparative study to assess the quality of life between hemodialysis and peritoneal dialysis patients attending dialysis units of SVIMS, Tirupati (MSc).
 11. **M. Hemalatha,** A study to assess the knowledge attitude and practice on pap smear test among women attending MCH centre, Tirupati (MSc).
 12. **T. Sai Dinesh,** Assess the knowledge on radiation therapy induced skin reactions among care givers of cancer patients attending oncology OPD, SVIMS, Tirupati (MSc).
 13. **K. Vijayamma,** A study to assess the knowledge regarding polycystic ovarian disease among college

girls in selected government colleges of Tirupati, Chittoor (Dt) (MSc).

14. **M. C. Sireesha**, A study to assess the knowledge regarding legal aspects in psychiatry nursing on B.Sc Nursing students in SVIMS at Tirupati (MSc).
15. **M.R. Deepika**, A retrospective study to assess the stress among the COVID-19 patients during social isolation (MSc).
16. **D. Hymavathi**, A study to assess the stress perceived by the parents due to school closures during COVID-19 pandemic (MSc).
17. **M. Reddi Rani**, Effectiveness of structured teaching programme on anger management among intermediate students at selected intermediate colleges at Tirupati. A.P. (MSc).
18. **Y. Usha Rani**, A Co-relational study to assess the level of depression and death anxiety in relation to COVID-19 among geriatric population at selected area, Tirupati (MSc).

41.3 Conferences attended, lecturer delivered

Mrs. S. Swarna, attended

1. Presented paper on “Role of life choices and chances in study of Infant mortality in Chittoor District, Andhra Pradesh in 14th DTC conference, IBS Hyderabad, India in collaboration with IJIDR, Mumbai on 6th & 7th, May, 2021
2. Invited Resource Person for National Webinar on “**Protect breast feeding, A Shared Responsibility**” from 1st to 7th 2021 organized by Sree Vidyanikethan College of Nursing, Tirupathi on 07-08-2021.
3. Attended webinar on “Mental Health challenges during COVID-19” organized by Govt. College of Nursing, Kurnool, on 23-06-2021

4. Attended webinar on “CAR T-Cell therapy on cancer treatment” organized by Dept. of Medical Surgical Nursing”, by Sri Venkateswara College of Nursing, Chittoor, on 25th August, 2021
5. Participated National webinar on “Global Health and Economy Amid COVID-19” organized by Centre and Dept. of Women studies in association with NSS Bureau by Sri Padmavathi Mahila Viswa Vidyalayam, Tirupathi on on 17th August, 2021
6. Attended webinar on “Trends & priority in Nursing Research at Sri Padmavathamma CON, Tirupathi on 14th & 15th, August, 2021.
7. Attended orientation workshop on “Revised B.Sc Nursing Syllabus by Indian Nursing Council, New Delhi from 1st to 4th, Sept. 2021.

Dr M. Bhagya Lakshmi, attended

1. Participated in National webinar on “Mental Health Issues in pandemic” organized by Mental Health department, Baby Memorial College of Nursing held on 9th January, 2021.
2. Participated in International E-Conference on Mental Health First Aid organized by the Nursing Division, Govt. of India in collaboration with Dept. of Nursing, DB. Patil University, School of Nursing, Navi Mumbai and NIMHANS, Bangalore from 4th to 6th February, 2021.
3. Participated in the AMR master class webinar on Management of Fungal Co-infections in COVID-19, hosted by BD, India, held on 4th June 2021
4. Participated in webinar on Mental Health Challenges during COVID-19, organized by Govt. College of Nursing, Kurnool, held on 23rd, June, 2021

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Mrs. B.M. Madhavi, Tutor

1. Attended the “International E-conference on Mental Health First Aid” organized by the Nursing Division, Government of India in collaboration with Department of Nursing, DY. Patil University School of Nursing, NaviMumbai and National Institute of Mental Health & Neuro sciences (NIMHANS), Bangalore from 4th to 6th February, 2021
2. Participated in “National webinar on “Preventive Health and Disease reversal for you and your patients” organized by SreeVidyanikethan College of Nursing, Tirupathi on 23rd, February, 2021.
3. Participated in National webinar on Healthy lifestyle practices – immunity and COVID-19” organized by SreeVidyanikethan College of Nursing, Tirupathi on 14th, June, 2021.

41.4. Publication

1. Mrs. S. Swarna, Dr C. UshaKiran, Ms. C. Bhargavi, “Effectiveness of structured teaching programme on knowledge regarding vaginitis and its prevention among adolescent girls in selected high schools at Tirupathi. International Journal of Creative Research Thoughts (IJCRT); 2021: 9(11); 2320-2882.
2. Mrs. S.Swarna, Dr C. UshaKiran, Mrs. G. Bharathi, “Assessment of awareness on knowledge regarding hysterectomy among women attending MCH center, Tirupathi”, International Journal of Creative Research Thoughts (IJCRT); 2021:: 9(11): 2320-2882.
3. Mrs. S. Swarna, Ms. E. JoesthnaVijayaKumari, “Impact of education on knowledge regarding medical termination of pregnancy among teenage girls in selected area, Chittoor District, International Journal of Creative Research Thoughts (IJCRT); 2021:: 9(11): 2320-2882.
4. Mrs. A. Bhagyamma, Mrs. S. Swarna, “Knowledge on risk factors and preventive aspects of uterine prolapse among women in selected areas at Tirupathi, International Journal of Creative Research Thoughts (IJCRT); 2021:: 9(2): 2320-2882.
5. Dr M. Nagarathnametal, factors influencing scales of burden, coping mechanism and quality of life in care givers of hemodialysis patients in A.P., India, Indian Journal of Palliative Care(IJPC); 2021; 27; 62-67.
6. P. Nagajyothi& Dr M. Nagarathnam, “Awareness of never events among B.Sc Nursing students at tertiary care center, Journal of Nursing and Health Sciences; 2021; 10(5); PP 13-18.
7. Mrs. K. Varalakshmi, N. Dhanalakshmi, Dr C. UshaKiran, “To assess the knowledge risk factors and preventive measures of calcinoma breast among Indian Women a comparative study, Indian Journal of Obstetrics and Gynaecology Research.
8. Mrs. K. Varalakshmi, B. JerushaSupriya, Dr C.UshaKiran, “A study to assess the knowledge regarding pregnancy induced hypertension among antenatal mothers attending OP block of MCH center at Tirupathi, International Journal of Creative Research Thoughts (IJCRT), 2021; 9(11); 2320-2882.
9. Dr UshaKiran C, Dr Sreelatha M, Effectiveness of roleplay on extended and expanded role of Nursing among 2nd year B.Sc students in selected Nursing College Tirupathi, AP, INDIA, International Journal of Current Research, 2021; 13(9)
10. Dr C. UshaKiran, M. Vidya, K. Varalakshmi “A Comparative study on coping strategies of cancer cervix patients receiving chemo and radiation therapies at SVIMS, Tirupathi”, International Organization of Scientific Research (IOSR), 2021; 10(5); 2854.

11. Dr C. UshaKiran, A. Srilatha,, K. Varalakshmi “ A study to assess the effectiveness of structured teaching programme on life style modifications among postmenopausal women in selected rural areas, Tirupathi”, International Journal of Creative Research Thoughts (IJCRT), 2021; 9(12), 2320-2882.
12. Dr Sreelatha M, Dr UshaKiran C, Effectiveness of panel discussion on Nursing Informatics among B.Sc Nursing students, SVIMS, College of Nursing, Tirupathi, A.P. International Journal of Current Research; 2021: 13(9): 0975-833x.
13. Dr Sreelatha M, Gowri Devi P, Dr Sudha Rani. P, A study to assess the knowledge regarding heat stroke and its management among teachers, working in selected schools of Tirupathi, International Journal of Current Research; 2021: 13(10): 19324-19328.
14. Dr Sreelatha M, VijayaNirmala K, Dr Sudha Rani P, A study to assess the knowledge and knowledge on practice regarding prevention of COVID-19 among B.Sc (N) students in selected Nursing Colleges, Tirupathi. International Journal of Current Research; 2021; 13(11): PP19446-19452.
15. K. SudhaBlessy, T.N. Prasanna Lakshmi, Dr M. Bhagya Lakshmi, Dr S. Hemalatha, “Assessment of level of anxiety and social media exposure during COVID out break among middle aged adults in selected area at Tirupathi”, International Journal of Scientific Research in Science and Technology (IJSRST); 2021: 8(1): PP-121-128.
16. SyamalaBikki Reddy, Dr Bhagya Lakshmi, Dr S. Hemalatha, Dr P. Sudha Rani, “A study to assess the effectiveness of STP on electro convulsive therapy among care givers of mentally ill patients at Psychiatry unit, SVRRGG Hospital, Tirupathi. Journal of the Maharaja SivajiRao University of Baroda; 2021: 55(1): 025-0422.
17. Kokilamma B, Y. Lavanya, Dr P. SudhaRani, Dr M. Sreelatha, A comparative study to assess the effectiveness of individual versus group pre-marital counseling among adolescent girls at selected college in Tirupathi, A.P. International Journal of Creative Research Thoughts (IJCRT); 2021: 9(11): 2320-2882
18. Kokilamma B, Vishnuvardan M, Dr Sudharani P and Dr Sreelatha M, “Study to assess the knowledge regarding mission indradhanush among mothers of under five children at selected Municipal maternal and child health centre, (MCh Thesis), Tirupathi. International Journal of creative Research Thoughts (IJCRT), 2021; 9(11), 2320-2882.
19. Karpugam V, Sarada D, “Somatic Status of rural and Urban Over Weight and Obese Women”, Turkish Journal of Physiotherapy and Rehabilitation; 32(3); 2651-4451.
20. Karpugam V, Sarada D, “Nutritional Behaviour of Rural and Urban over weight and obese Women”, Virtual International award conference on Multi-Disciplinary Research and Innovation Dolphin (PG) College of Science & Agriculture, Chunnikalan, Punjab, India; ISBN: 978-93-91535-07-0.

41.5 Other academic activities of significance

1. Mrs. B. Kokilamma, Assistant Professor, Mrs. K. Gowri Devi & II Year M.Sc (N) students attended Pink Bus Camp at Puttur on 28th & 29th, December, 2021.

42.0 COLLEGE OF PHYSIOTHERAPY

Professor and Principal i/c

Dr K. Madhavi

Faculty

Dr A.Viswanath Reddy
Dr C. Shanthi
Dr C.Govardhan
Dr M.Suresh Kumar
Dr S.Raghava Krishna

Dr V.Srikumari
Dr K. Senthil Kumar
Dr N.Kavitha
Dr G.Kameswari

42.1 Research projects

Research project completed

1. **Principal investigator:** Dr K. Madhavi, **Title:** Influence of integrated physiotherapy and Vedic therapy on pain, disability and quality of life in grade I, Osteo arthritis individuals. **Funding Agency:** A CVSR.

Ongoing Research project

1. **Principal investigator:** Dr A.Viswanath Reddy **Title:** Influence of aerobics Vs Indoor cycling on body composition and lung function in overweight and obese female subjects.

41.2 Research Work

Thesis work

Thesis submitted

1. **Senthil Kumar K.** Effectiveness of a early mobilization and structural cardiac rehabilitation on functional outcome and quality of life following coronary artery by-pass graft – a randomized controlled trail (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.

Ongoing thesis work

1. **Kavitha N.** Impact of exercises on functional exercise capacity and quality in relation to anemic status in patients undergoing single valve replacement surgery (PhD Thesis).
2. **Suresh Kumar M.** The impact of TENS and graded exercises in individuals with peripheral arterial disease in lower limbs (PhD Thesis).

3. **Kameswari G.** Comparison of effectiveness of low level laser therapy Vs. ultrasound therapy on pericranial myofascial trigger points in subjects with tension headache (PhD Thesis).
4. **Raghava Krishna S.** 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 (PhD Thesis).
5. **Asha Jyothi K.** Clinical therapist: “Develop and testing of home exercise adherence (HEAD) framework in patient with breast cancer undergoing chemotherapy (PhD Thesis).
6. **Srikanth A.** Effectiveness of Isokinetic resistance training versus theraband resistance training on the strength of internal and external rotators of shoulder in overhead athletes (PhD Thesis).
7. **Sivakumar U.** Effect of passive mobilization using Isokinetic Analyser on the range of motion and functional status of the shoulder in subjects with periarthritis shoulder (PhD Thesis).

Dissertation submitted

1. **Divaya K.** Comparison of low level laser therapy and ultrasound therapy on pain and ROM in women cricketers with grade 2 lateral ankle sprains (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
2. **Keerthana TM.** The effects of plyometric versus resistance training on explosive power and lower limb strength in young female volleyball players

- (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 3. **Mounika T.** The Effects of Delorme versus MacQueen strengthening techniques on the strength of quadriceps among kho-kho players (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 4. **Madhavi.** Effect of TDCS on upper limb function on post stroke patients (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 5. **Mosheena.** Effect of graded motor imagery on motor control of upper limb function and quality of life in patients with stroke (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 6. **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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 7. **Jayakrishna V.** Efficiency of pulmonary rehabilitation in dyspnea physical activity and quality of life in adult asthmatic, an observation study (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 8. **Heena S.** 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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 9. **Swarnalatha.** A study on the immunity status on efficacy of breathing and aerobic exercises on affected and non-affected COVID-19 individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 10. **Sandhya Rani K.** Study of efficacy of fusion dance (yoga and aerobic) on the pelvic floor muscle strength and hormonal levels (FSH, LH, testosterone, oestrogen, SHBG and size of cyst) in PCOD individuals (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 11. **Lokesh G.** 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). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 12. **Samykya Y.** A Systemic review of mobilizations on pain and range of motion in patients with frozen shoulder (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
 13. **Deepika C.** Impact of COVID-19 lockdown on “Acute low back pain with mobility deficits in desk workers (MPT). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2021.
- Ongoing dissertation work**
1. **Mohammad.** Effectiveness of 4 week pulmonary rehabilitation program on dyspnea and functional exercise capacity in post covid-19 patients (MPT).
 2. **Naveena.** Expiratory capacity of young male and female individuals with usage of different diameters sizes of straws (MPT).
 3. **Sreenidhi.** Impact of covid-19 disease, lockdown on physical activity and energy expenditure among physiotherapy professionals and students using web-based open e-survey sent through social media (MPT).
 4. **Hema.** Prevalence of residual motor deficits/ impairments in GBS following plasma pheresis – an observational study (MPT).
 5. **Shiridimai.** Incidence of residual facial disability in post up angle tumor resection; A retrospective study from 2015-2020 in SVIMS, Tirupati Andhra Pradesh, India (MPT).
 6. **Sowjanya.** Incidence of stroke and its sub types, risk factors; a retrospective study from 2015-2020 in SVIMS, Tirupati, Andhra Pradesh, India (MPT).
 7. **Geetha K.** To evaluate pain in occupational workers and students in plantar fasciitis – questionnaire method (MPT).
 8. **Gayathri** : Work related neck pain among desk job workers – questionnaire method (MPT).

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9. **Haripriya** : To compare the effectiveness of muscle energy technique and positional release technique on pain and ROM in patients with upper trapezitis (MPT).
10. **Himasree Sagarika** : Effectiveness of plyometric training and balance training in ACL reconstruction to improve balance and strength (MPT).
11. **Lakshmi Kowsalya KVC**. Comparison of mulligan Vs maitland mobilization with sleepers stretch on pain ROM quality of life in subjects with PA shoulder (MPT).
12. **Mounika B**. Effectiveness of Nordic hamstring exercises in post TKR individuals (MPT).
13. **Sai Bharghavi E**. Physical activity among physiotherapy and medical students (MPT).
14. **Likhitha G**. Core stretching exercises on mat and swiss ball (MPT).
15. **Vyshnavi M**. Effect of intensive exercise and endurance training on body fat distribution in younger and oldmen (MPT).

42.3 Conferences attended; lectures delivered

Dr K.Madhavi, Professor has attended

- As resource person in STRIDE' 21 International Physiotherapy Conference on "Exercise and Immunity" held in Chennai from 5th to 10th December 2021.
- International conference on "Emerging trends in innovative physiotherapy impact on Research & clinical practices" organized by Krupanidhi College of Physiotherapy, Bengaluru from 06-07 August 2021.
- Participated in 2 days international geriatric physiotherapy E-conference Gericon 2021 ON "Physiotherapy care for older adults " held on 23 & 24 October 2021 organized by Sree Anjaneya College of Paramedical sciences & prescription organization(ExRxIndia).

42.4 Guest lecture

1. **Dr K. Madhavi**, Professor
 - As guest speaker on "Inflammatory process and its impact on exercise in Post COVID rehabilitation"

on the occasion of "World Physiotherapy Day" held on 8th September 2021 at Florence College of Physiotherapy, Bangalore on the occasion of World physiotherapy Day.

- Delivered a lecture pros and cons of technology in physiotherapy in a webinar organized by IAPW – Delhi on 22nd October 2021.
- A seminar on framing of research questions to UGRS, NTRUHS Vijayawada on 10th August 2021.

42.5 CMEs/Seminars/Workshops/Online Webinars attended and lecture delivered.

1. **Dr K.Madhavi**, Professor has
 - Attended Workshop titled "Intellectual Property Rights" on 18th December 2020 conducted by Narayana Translational Research Centre (NTRC), Narayana Medical College, Andhra Pradesh, India.
 - Participated in one day workshop (Online) on "Advanced proof reading skills for Research Manuscript " (20th November) organized by Department of commerce , Hansraj College in collaboration with Mahatma Hansraj Faculty development center Hansraj College , University of Delhi.
 - Completed online therapist training course iSARAH training 15th November 2021.
 - Completed one week online training on Statistical Data Analysis using SPSS organized by Science Tech Institute during January 21-27, 2021.
 - Participated in the webinar "Motor Learning program in Sports "organized by Alumni Association of Government College of Physiotherapy, Chennai dated on 16th January 2021.
 - Participated in the webinar "Managing Spinal cord injury- A Physiotherapists perspective " organized by Alumni Association of Government College of physiotherapy, Chennai on 20.012021.
 - Attended 1st INTERNATIONAL RESEARCH E-CON 2021 organized by Clinical research Association (ICRA) and my Rehab Academy (INDIA) on 28 & 29, Aug 2021.

- Participated in “Plantar pressure system- Way forward in sports physiotherapy” webinar organized by Kan Innovations Pvt Ltd on 30th May 2021.
- Participated in online quiz on Mental Health Awareness organized on the occasion of World Mental Health Day by CRC, Davangere, Karnataka on 10th October 2021.
- Participated in webinar on “Revive, restore, Rejuvenation: yoga in COVID-19 Recovery”-on 21st June organized by Nitte Institute of Physiotherapy, Chennai.
- Attended International conference on Emerging trends in innovative physiotherapy impact on Research & clinical practices organized by Krupanidhi College of Physiotherapy, Bengaluru on 06 & 07 August 2021.
- Participated in one day workshop (Online) on “Advanced proof reading skills for Research Manuscript “(20th November) organized by Department of commerce , Hansraj College in collaboration with Mahatma Hansraj Faculty development center Hansraj College , University of Delhi.
- Panelist during the International conference PHYSIO ZEAL 2021 and presented the topic “Career Vs Entrepreneur-motivations and Inspiration “ on 17th November 2021.
- Participated has attended as a delegate during the 5th World Conference on Exercise Medicine from 29th October to 2nd November 2021.
- Participates as speaker “Is technology a boon or curse? ” during the 1st e-conference on Theme “Developments and Obstacles in Recent Decades in the Field Of Physiotherapy” organized by Physiotherapy Division, School of Medical and Allied Sciences, Galgotias University in association with Indian Association of Physiotherapist Women cell, Delhi 22-23 October 2021.
- Professor Successfully completed online training course on “Lifestyle diseases and Health Promotion “conducted by NIHFW, New Delhi, from 10-13 August 2021.

2. **Dr C.Shanthi**, Assistant Professor has

- Participated in the National CME on “Orthotics & Prosthetics for Rehabilitation Professionals” organized by Sri Devaraj URS Academy of higher education and research, Karnataka, held on 6th March, 2021.
- Participated in the national CME on “Current concepts in oncology physiotherapy” organized by Sri Devaraj URS Academy of higher education and research, Karnataka held on 15th May 2021.
- Attended KRUPTACON 2021, International Scopus and Web of science indexed conference on “Emerging trends in Innovative physiotherapy impact o research & clinical practices organized by KRUPANIDHI, College of physiotherapy, during 06-07th August, 2021.
- Attended webinar on the theme “Leadership and participation of persons with disabilities towards an inclusive, Accessible and sustainable post COVID-19 world” held on 1st December, 2021.
- Successfully completed online one week faculty development programme on “ICT-Enabled teaching and learning for school teachers” from 24-30th November, 2021.
- Attended as a Resource person for Stride-21 on the topic “Exercise and low back pain” held from 5th to 10th December, 2021.

3. **Mr. K. Senthil kumar**, Assistant professor has

- Participated in the national CME on “Orthotics and Prosthetics for Rehabilitation Professionals” organized by Sri Devaraj URS Academy of higher education and research on 6th March 2021 at Kolar, Karnataka, India.
- Participated in the national CME on “Current concepts in oncology physiotherapy ” organized by Sri Devaraj URS Academy of higher education and research 15th May 2021 at Kolar, Karnataka, India.
- Participated in the webinar on “Physiotherapists and childbirth education, our role and contribution” organised by NITTE institute of physiotherapy Mangalore on 20th May, 2021.

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- Participated in the webinar on long Covid – Long haulers our experiences organised by Sri Ramachandra Institute of higher education, Chennai on 9th September 2021.
 - Resource person for Stride-21 – organised by Saveetha college of physiotherapy, Chennai during 5th to 10th December, 2021.
 - Act as judge for “poster presentation” for Stride-21, organised by Saveetha College of physiotherapy during 5th to 10th December, 2021.
 - Participated in the webinar on the topic “Inclusive sports and special needs” organised by CRC, Davangere which was held virtually on 22nd December, 2021.
2. Dr K. Madhavi, Professor and Principal i/c has appointed as Chief Warden for Girls Hostel, SVIMS.
 3. Dr K. Madhavi, Professor and Principal i/c has appointed as leader for patient mobility group, SVIMS.
 4. Dr K. Madhavi, Professor and Principal i/c has appointed NABH – HRM member.
 5. Dr C. Shanthi, Assistant Professor, has nominated as a library stock verification committee member.
 6. Dr K. Senthil Kumar, Assistant Professor, has appointed as Assistant Dean (students affairs).
 7. Dr K. Senthil Kumar, Assistant professor has nominated as a library stock verification committee member.

Public talk

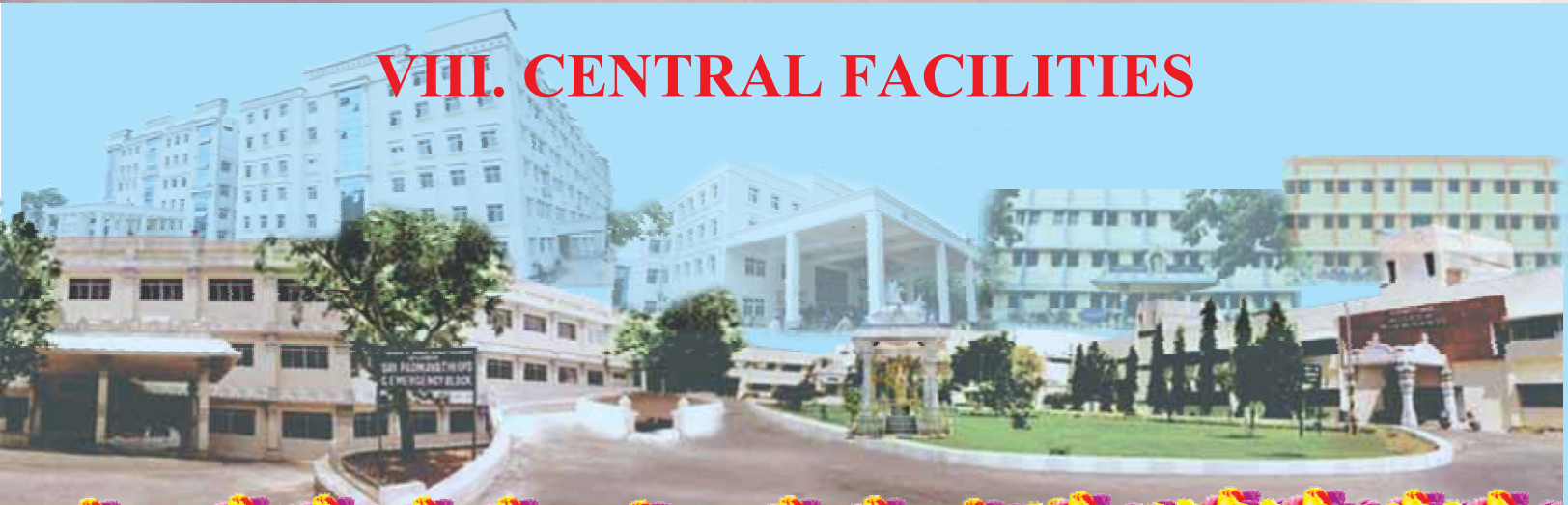
1. Delivered Speeches on “Importance of Physiotherapy in Normal and Diseased in youth” in All India Radio Programmes regularly.
 2. Delivered physiotherapy awareness programme in walker Association in Tirupati in various voluntary organizations in Tirupati.
8. International world physiotherapy day organized, and inaugurated neuro rehabilitation wing on 8th September, 2021.
 9. International peace day was organized on 21st September, 2021.
 10. Organized International Yoga day at SVIMS, Tirupati, on 16th June, 2021.

42.7 Other academic activities

1. Dr K.Madhavi, Professor and Principal i/c has attended as external examiner at various universities.



VIII. CENTRAL FACILITIES



VIII. Central Facilities

1.0 IT DEPARTMENT

The Hospital Management System [HMS] in SVIMS was implemented in the year 2013 and till now we are following the Workflow based ICT solution. This HMS covers the patient registration and admission system, admission-discharge-transfer (ADT) process, Outpatient and Inpatient billing, Company & Insurance billing and Reimbursement procedures, and is integrated with Laboratories. It includes the Clinical Workstation that is an interface by which doctors can view patient data. Pharmacy and inventory programme was full-fledged implemented.

Objectives of the project and developments in the year 2021

1. To develop a fully integrated HMS for various areas of the hospital – Emergency Services, Operation Theatre, Diagnosis and MIS Reports.
2. To develop an integrated, user friendly clinical workstation for doctors to view results, clinical data, and inpatient lists, order investigations and prescriptions; and generate medical reports and discharge summaries – all at a single click.
3. To allow acquisition and availability of relevant real-time information and allow billing to be automated with data entry as well as introducing various Smart techniques in billing mode.
4. To ensure transaction security and minimize human errors.
5. All HMS modules are integrated with the Billing module, Credit and Insurance billing, and reimbursements with departmental revenue reports.
6. Executing File Movement / Tracking system using e-office environment for the welfare of patients and employees.

Other Technologies / solutions employed for better Patient 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 e-hospital, e-office with new located departments like Virology, Bioinformatics, Biostatistics with about 60 connections.
5. 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 Medical record system with respect to patient medical case sheet is under approval stage.
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 this year.
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 ERP solutions – Quotations and Purchase Order Management integrated with Finance module, Stores, Dispensing and Returns introducing in SVIMS in the year 2022
8. Patient clinical Hand-off mechanism introducing first time in our hospital for total diagnosis information of the patient for time to time by the doctors with in 24hours.
9. PACS environment is introducing in SVIMS on war foot basis this year

The HMS has resulted in a tremendous increase in efficiency at all levels of the health care delivery process within SVIMS - allowing prompt service, reducing costs, minimizing the margin for human error and providing a tool for Continuous Quality Improvement (CQI) strategies by SVIMS.

The Hardware related to HMS (Hospital Management System) and Departments usage is about 598 Personal computers and Internet usage is for about 490 clients, 475 printers, 89 LCD projectors, 71 scanners, Barcode scanners and Barcode printers

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 increase in new connections for about 35 in number during the year 2021, when compared to previous year's total of 490 in number under the

utilization of the Internet for academic work as well as research.

2. Planning WiFi access to SVIMS campus and neighbouring buildings
3. Tumor board Cancer wing was developed in Oncology unit under the supervision of IT Department for the linkage with cancer network hospitals for the utilization of internet for Patient research and academic purpose.

2.0 CENTRAL LIBRARY

The Institute has an excellent Central Library - SRI BALAJI CENTRE FOR LEARNING spanned over G+1 with 42,000 Sfts. The ground floor consisting reading rooms for faculty, P.G. doctors, paramedical students, two personal reading rooms and e-library with 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 | 11602 |
| 2. Back volumes of bound journals | 7184 |
| 3. Non-book materials | 018 |
| 4. Dissertation collection | 1730 |
| 5. Current journals (2021) (Foreign-79 : Indian- 60). | 139 |

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 'Clinicalkey' (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 Alladi Mohan | Senior Professor, Dept. of Medicine | Dean Chairman- Library Committee |
| 2 | Dr K.V. Sreedddhar Babu | Professor & Head, Dept. of Transfusion Medicine | Registrar |
| 3 | Dr V.Vanajakshamma | Prof., Dept. of Cardiology | Vice-Chairperson |
| 4 | Dr R. Nandagopal | Prof., Dept. of Neurology | Member |
| 5 | Dr Vinod Bhan | Prof., Dept. of CT Surgery | Member |
| 6 | Dr A. Umamaheswari | Prof., Dept. of Bioinformatics | Member |
| 7 | D.V. Dilip Kumar | Dy. Director(Academic) | Member |
| 8 | G. Suresh Kumar | Accounts Officer I/c | Member |
| 9 | Dr A. Omkar Murthy | Librarian | Convener |

Library staff:

1. Dr. A. Omkar Murthy, Librarian

Library Assistants:

1. V. Munikrishnudu
2. R. Jagadeesh Babu
3. V. Madhusudhan
4. N. Prabhavathi
5. J.V.S. Prasad
6. M.V. Sarada
7. K. Murali Krishna Yadav
8. R. Sivakumar
9. P. Jyothi

Supporting staff:

1. J.P. Kondaiah
2. G.Gowri

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 beep themselves with the technical advancements in the field of experimental medicine.

The central research laboratory of the institute at present caters to: a) Regenerative Medicine b) Genetical Analysis of various diseases to understand

the progression and cause of disease and c) understanding of pathogenic mechanisms of Staphylococcus aureus for the development of antimicrobials.

4.0 RIGHT TO INFORMATION (RTI) ACT

SVIMS is implementing the RTI ACT and providing the information to the applicants as per the permissible provisions of RTI ACT. The SVIMS is receiving the RTI applications /requests from the public who wish to seek information under RTI ACT and furnishing the information to the applicants both from PIO and 1st Appellate Authority.

During the year 2021 from January to December we received 15 applications/requests seeking information related to SVIMS. Out of 15 applications 5 were denied information under

relevant Sections of RTI ACT. We have furnished information to 10 applicants. 4 appeals received and 2 were denied information under relevant sections of RTI ACT and information was provided for 2 appeals.

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.

1. Biannual meeting was completed in the year of 2021 on 04-08-2021
 2. Periodical institutional animal ethics committee meeting on 23-12-2021.
- CPCSEA accepted the following as IAEC, SVIMS members

| S.No | Name of the IAEC Members | Designation in IAEC |
|------|--------------------------|--|
| 1 | Dr Sharan B. Singh .M | 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

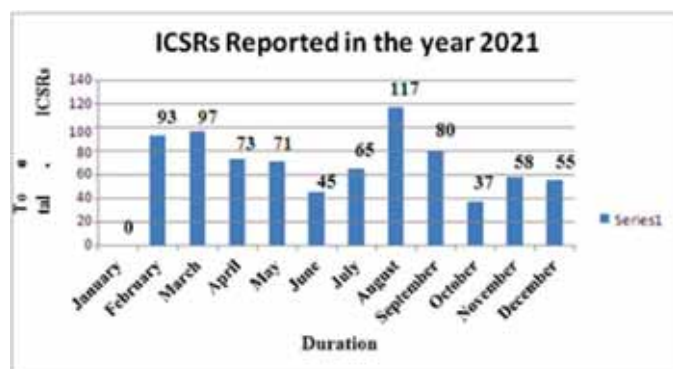
| S.No | Details of Nominee (s) | Nominated as |
|------|---|--|
| 01 | Prof. K. Sathyavelu Reddy Professor, Dept. of Zoology, S.V.U. College of Sciences, S.V. University, Tirupati – 517 502, Andhra Pradesh. | Main Nominee |
| 02 | Prof. R.Nagaraju Institute of pharmaceutical technology, Sri Padmavathi 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 |

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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 (Prof. & HOD of Pharmacology) is the coordinator, Dr K. Vijaya Chandra Reddy (Associate professor of Pharmacology) is the deputy coordinator. Total 791 Adverse Drug Reactions and Adverse Event Following Immunization (AEFI) were reported from various departments of SVIMS in the year 2021.



Activities:

1. Displayed posters related to Pharmacovigilance in all patient care areas.
2. Suspected Adverse Drug Reaction Reporting forms were made available in all IPDs and OPDs.

3. Follow up of vaccine beneficiaries after Covid vaccination for AEFI.
4. 34 ADR notification drop boxes (red boxes) were fixed in all IPDs & OPDs of SVIMS and Sri Padmavathi Medical College for Women Hospital.
5. Sensitization programmes on the importance and reporting of Adverse Drug Reactions was conducted to health care providers in various departments.
6. Guided to conduct research projects in Pharmacovigilance to Pharm-D students.
7. Displayed posters related to Pharmacovigilance in all patient care areas.
8. Suspected Adverse Drug Reaction Reporting forms were made available in all IPDs and OPDs.

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 Ram, Prof. & HOD of Nephrology, Co-Chairman
3. Dr K. Umamaheswara Rao, Prof. & HOD of Pharmacology, Co-ordinator
4. Dr K. Vijaya Chandra Reddy, Assoc. Prof. of Pharmacology, Deputy 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 of Paediatrics, Member
9. Dr A. Surekha, Associate Professor of Dermatology, Member
10. Mrs. Prabhavathi, Nursing Superintendent, Member

Causality Assessment Committee:

Causality Assessment Committee (CAC) is to establish a causal relationship between the reported Adverse Drug Reactions and the suspected medication.

The following are the members of Causality Assessment Committee (CAC):

1. Dr K.Umamaheswara Rao, Prof & Head of Pharmacology - Chairman
2. Dr Katyaramal, Prof. of Medicine - Member
3. Dr K.Vijaya Chandra Reddy, Assoc. Professor of Pharmacology – Member
4. Dr N. PunithPatak, Associate Professor of paediatrics - Member
5. Dr A Surekha, Associate Professor of Dermatology – Member
6. Dr M Poojitha, Junior Pharmacovigilance Associate-Member

CAC met periodically and assessed causality of each reported Individual Case Safety Report (ICSR).

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.

PTC Reconstitution is done as per the manual guide from WHO, USAID, MSH guidelines. The list of members are as follows:

1. Chairman- Clinical Director or other appointed physician– Dr Ram, Prof & Hood, Nephrology, Medical Superintendent, SVIMS
2. Executive Secretary- Dr K.Umamaheswara Rao Prof & HoD, Pharmacology, SVIMS.
3. Director of Pharmacy – Dr P.Subramanyam Sr. Pharmacist
4. Physician Members – Surgeon – Dr Vinod Bhan Prof., CT Surgery
5. Physician Members - Surgeon – Dr Chandramalitheswaran Assoc. Prof., SGE
6. Physician Members - OBG/GYN – Dr Malathi Assoc. Prof., OBG
7. Physician Members - OBG/GYN – Dr Akhila Asst. Prof., OBG
8. Physician Members -Internal Medicine - Dr Aloka Samantaray, Prof & Hood, Anaesthesiology
9. Physician Members -Internal Medicine - Dr Bhargavi Assoc. Prof., Medical Oncology
10. Physician Members -Internal Medicine - Dr Katyaramal Assoc. Prof., Medicine.
11. Physician Members -Internal Medicine - Dr Ramya Priya Asst. Prof., Nuclear Medicine
12. Physician Members - Infectious Diseases - Dr Jayaprada Assoc. Prof., Microbiology
13. Physician Members - Infectious Diseases - Dr Harini Devi Assoc. Prof., Biochemistry
14. Pharmacy Members - Drug Information Specialist - Mr. Subramanyam Raju, Pharmacist Gr-I
15. Pharmacy Members - Drug Information Specialist - Mr. Babu Suresh, Pharmacist Gr-I
16. Pharmacy Members – Pharmacologist – Dr Pallavi, Asst. Prof., Pharmacology
17. Pharmacy Members – Pharmacologist - Dr Thulasi Gokul Asst. Prof., Pharmacology
18. Pharmacy Members - Recording Secretary - Dr M.Sravan, Clinical Pharmacist
19. Pharmacy Members - Recording Secretary - Dr P.Anuhya, Clinical Pharmacist
20. Nursing Members - Director of Nursing- Mrs. Prabhavathi, A.D. Nursing
21. Nursing Members - Director of Nursing- Mrs. Sunitha Nursing Superintendent Gr- I
22. Administration - Administrative Officer or the appointee - Dr Yerram Reddy DR (Purchase)
23. Administration - Administrative Officer or the appointee - Mr.L.Satheesh A.D(Stores)

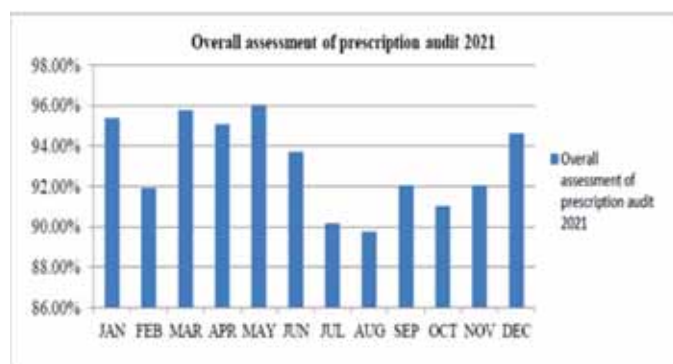
24. Public Health - Physician or Nursing Representative- Dr Venkata Naveen Prasad Assoc. Prof, Neurology.
25. Public Health -Physician or Nursing Representative- Dr Sujith kumar Assoc. Prof, Community Medicine.

The following Pharmacology faculty members are involved in the activities of PTC:

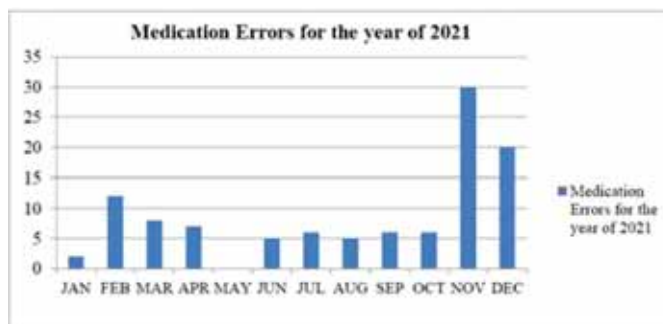
1. Dr K. Umamaheswara Rao
2. Dr C. Pallavi
3. Dr Thulasi Gokul

The main activities related to PTC done by Clinical Pharmacists are:

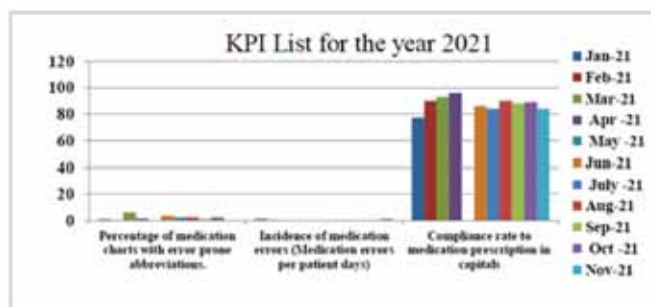
- **Prescription audit**



- Hospital Formulary is prepared and updated and availability of formulary is made in OPDs of SVIMS & SPMCW Hospitals.
- Uniform medication charts were implemented throughout SVIMS & SPMCW Hospitals.
- Storage of Medication in Pharmacy, OTs, Wards & ICUs as per the recommendations.
- Prescription online postings of prescribed doctor details should be same with the manual prescriptions. If not, the Unit-Incharge or HoD of same department details should be mentioned for online prescriptions in E-Hospital, SVIMS for any legal enquiries.
- Medication errors identified must be documented by taking Corrective Action Preventive Action (CAPA) action immediately in the identified wards with details of the concerned staff members for ensuring patient safety.



- ADR reporting
- Monitoring of Narcotics usage, Chemotherapeutic drug usage & usage of Implantable prosthesis and Medical devices, Radioactive drugs.
- PTC KPI list is prepared every month.



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 by Sri P.Harsha Vardhan Reddy, Dy. Executive Engineer with the following:

Capital works completed in 2021-22

| S. No. | Name of the work | Cost in Lakhs (Rs.) |
|--------|---|---------------------|
| 1 | Providing amenities to the newly constructed OT complex at 3rd floor OPD block, SVIMS Tirupati | 180.00 |
| 2 | Supply of furniture for the newly creating special rooms(65 rooms) in Nephroplus building, SVIMS, Tirupati | 58.00 |
| 3 | Revamping of existing centralized Air conditioning system provided for operation theaters, recovery rooms, ICU'sspeciality block, OPD block etc., in SVIMS hospital, Tirupati(Civil works)" | 55.00 |
| 4 | Supply of Furniture for the newly created special rooms (30 rooms) in Nephroplus building, SVIMS Tirupati | 27.00 |
| 5 | Providing fencing at west side of the SVIMS boundary at SVIMS Tirupati | 22.00 |
| 6 | Improvements to the rooms for converting into special rooms (65 rooms) at second floor of Nephroplus building, SVIMS, Tirupati | 14.00 |
| 7 | Construction and providing Fire escape staircases for various buildings at SVIMS Tirupati | 11.00 |

Sri Venkateswara Institute of Medical Sciences

Capital works new proposals 2022-23

| S. No. | Name of the work | Cost in Lakhs (Rs.) |
|--------|---|---------------------|
| 1 | Construction of central godown for SVIMS , Tirupati | 1095.00 |

Annual maintenance completed in 2020-21

| S. No. | Name of the work | Cost in Lakhs (Rs.) |
|--------|--|---------------------|
| 1 | Annual Maintenance of SPMCW, SPMCW Girls Hostel, Library, Director Bungalow, Boys hostel, New P.G.Quarters, Bio-Technology building, SPMCW General Hospital, Staff quarters old& New, Girls hostel, PG old hostel, Main & Internal Roads and play grounds in SVIMS for the year of 2020-21 | 40.00 |
| 2 | Annual Maintenance of OPD Block, Service Block, Central stores, PET CT building, Oncology block Generator room, Sub-station building and laundry, Canteen, CON, COP, Dormitory block, CfAR building, General toilets and pump room in SVIMS, Tirupati for the year 2021-22 | 40.00 |
| 3 | Annual Maintenance of Central Block, Gas room, Speciality & Dialysis Extension Block, AD block and General toilets in SVIMS, Tirupati for the year 2020-21 | 40.00 |

Annual maintenance progress in 2021-22

| S. No. | Name of the work | Cost in Lakhs (Rs.) |
|--------|--|---------------------|
| 1 | Annual Maintenance of Central Block, Gas room, Specility & Dialysis Extension Block,Ad Block and General Toilets in SVIMS for the year of 2021-22 | 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, COP, CON Dormitory Block, CFAR building, General Toilets and Pump Room in SVIMS for the year 2021-22 | 40.00 |
| 3 | Annual Maintenance of SPMCWHostels, New & old PG quarters, Boys & Girls hostels, SVIMS Director bungalow, professors quarters and Nephroplus in SVIMS for the year ot 2021-22 | 30.00 |
| 4 | Annual Maintenance of SPMCW General Hospital, Biotechnology building, oncology block in SVIMS for the year 2021-22 | 30.00 |

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Annual maintenance proposals in SVIMS, Tirupati for the year 2022-23

| S. No. | Name of the work | Cost in Lakhs (Rs.) |
|--------|--|---------------------|
| 1 | Annual Maintenance Of Central Block, Gas room, Speciality & Dialysis Extension block , AD Block and General toilets . | 40.00 |
| 2 | Annual Maintenance of OPD block, Service block, Central stores, PET CT building, Generator room, Sub-station building and laundry, canteen, COP, CON, Dormitory block, CFAR Building, General toilets and PUMP Room. | 40.00 |
| 3 | Annual maintenance of SPMCW General Hospital, Bio-Technology Building, Oncology block. | 30.00 |
| 4 | Annual Maintenance of SPMCW Hostels, New &old PG quarters, Boys & Girls Hostels 'SVIMS Director Bungalow, professors quarters & Nephroplus. | 30.00 |
| 5 | Operation & Maintenance of Mechanical works (Motor repairs, Furniture repairs etc., and other miscellaneous works). | 12.00 |

Executive Engineer VII

Sri. G.V. Krishna Reddy

Dy. Executive Engineer (H)

Sri. P. Harsha Vardhan

Asst. Engineer (Technical)

Sri T.V.P. Kumar

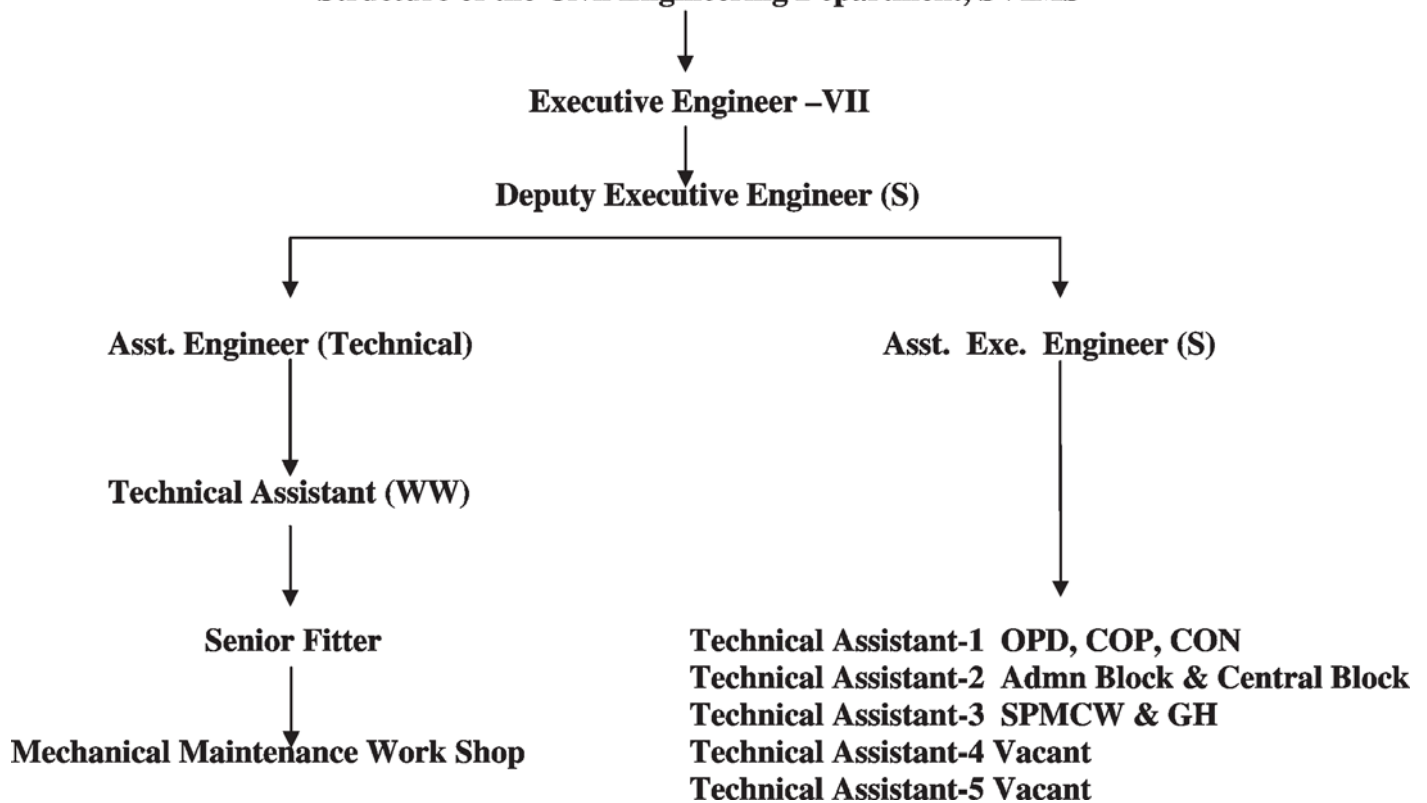
Asst. Executive Engineer

Sri P.S. Prakash Babu

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

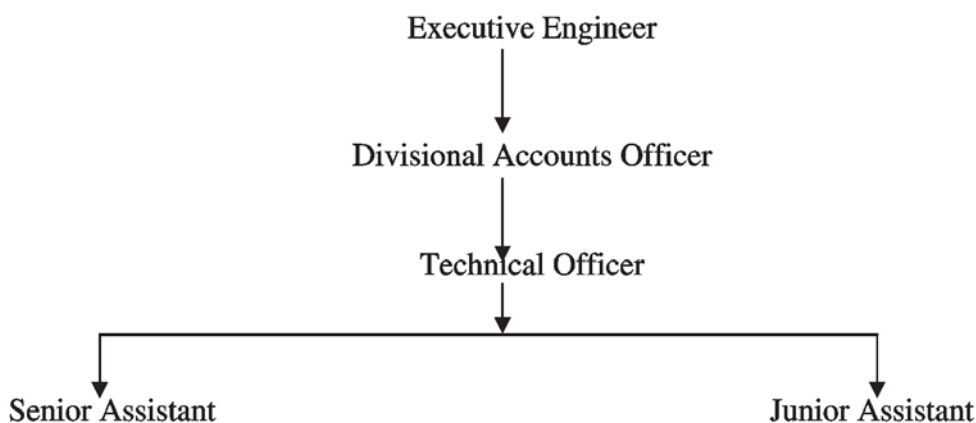
Dy. Executive Engineer
Sri. K. Muni Chandra Sekhar
Sri. P.T.S.S. Hari Prasad Reddy

Assistant Engineer / Asst. Executive Engineer/ Technical Assistant
Sri. M. Chandra Reddy
Sri. A. Bharath Kumar
Sri. C. Suresh Kumar
Sri. M. Satish Kumar

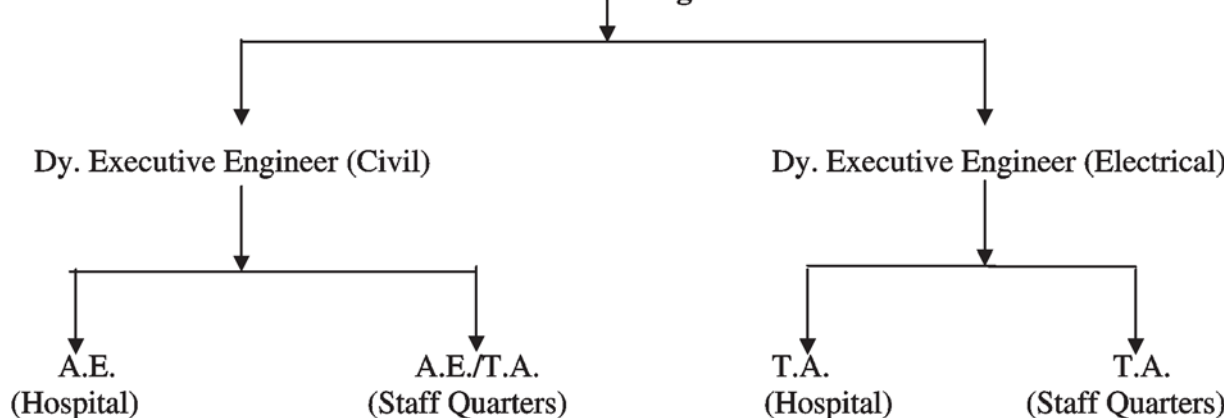
Technical Officer
Sri. G.H. Prasad

Senior Assistant
Sri. K. Mahudushana Reddy

Office Structure



Field Structure



Annual maintenance progress in APMSIDC, Tirupati for the year 2021-22

| Phase-II | | | | | | | | |
|----------|---|-----------------|-----------------------------------|----------------|---|---------------|-------|---------------|
| 1 | Construction of additional floors over E&F blocks of Hospital Buildings in SPMCW | 2322.00 | M/s. Arrow Const-ructions Limited | 1900.29 | Work stopped due to U.O.Note.No. FIN01-FMUO ASD(WR1)/80/2019 (Comp No. 898809) Dt.29-05-2019 of the Chief Secretary to Government. | 374.90 | ----- | 374.90 |
| 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 Quarters : Columns laid upto Plinth Beam bottom around side wall PCC concrete completed 5) Non Teaching Quarters : Columns laid upto Plinth Beam bottom around side wall PCC concrete completed. | 379.53 | ----- | 379.53 |
| | | 12140.00 | | 6503.85 | | 754.43 | ----- | 754.43 |

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Annual maintenance progress in APMSIDC, Tirupati for the year 2021-22

| 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 additional Medical Oxygen Pipeline system & Manifold room at Sri Padmavathi Medical College for Women Hosp, Tirupati in Chittoor District | 108.00 | M/s. I. Muni Mohan Reddy & Co., | 89.09 | Work completed | 94.27 | ---- | 94.27 |
| 2 | Supply, Installation, Testing and Commissioning of PSA (Pressure Swing Absorption) Oxygen Generation Plants to Govt., Hospitals at Various Locations in A.P. Pkg. No.III in Chittoor, Kadapa, Ananthapur and Kurnool District (2 Nos of 1000 LPM at SPMCW Hospital, Tirupati) | 212.75 | M/s. Megha Engineering & Infrastructure Limited, Hyd. | 212.75 | Work completed | ---- | ---- | ----- |
| | | 320.75 | | 301.84 | | 63.86 | ---- | 63.86 |

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.2021-22:Rs. 53,15,00,000/-

| S.No. | Particulars | Jan - Dec' 2021 |
|-------|-------------------------------|-----------------|
| 1 | No. of Indents received | 1513 |
| 2 | No. of Purchase Orders issued | 2403 |
| 3 | Value of Purchase Orders | 50.52 Crores |

Sri Venkateswara Institute of Medical Sciences

Meetings conducted during the period Jan-Dec, 2021 :

i. Purchase Committee Meeting:

| S.No. | Date | List of equipments placed |
|-------|------------|---|
| 1 | 09.02.2021 | Medical Equipment |
| 2 | 15.03.2021 | Medicines, diagnostic kits & reagents |
| 3 | 30.03.2021 | Medicines, diagnostic kits & reagents |
| 4 | 12.04.2021 | Medicines, diagnostic kits & reagents |
| 5 | 24.04.2021 | Medical Equipment |
| 6 | 28.04.2021 | Medicines, diagnostic kits & reagents |
| 7 | 18.05.2021 | Medical Equipment |
| 8 | 02.06.2021 | Instruments and accessories, Surgical consumables & disposables |
| 9 | 10.06.2021 | Medical Equipment |
| 10 | 12.07.2021 | Medical Equipment on reagent rental basis |
| 11 | 20.07.2021 | Medical Equipment |
| 12 | 26.07.2021 | Reagents agreement for rental |
| 13 | 09.10.2021 | Medical Equipment |

ii. Suture Committee Meetings: The meetings was convened on 22.1.2021, 03.02.2021, 27.02.2021 & 22.03.2021

i. Implant Committee Meetings:

| S.No. | Date | List of equipments placed |
|-------|------------|---------------------------|
| 1 | 11.08.2021 | Neurosurgery items |
| 2 | 21.08.2021 | DBS implants |

iv. Central Procurement Cell Meeting: As per the orders of the Executive Officer, dt. 3.8.2021, the Central Procurement Cell is established with members from SVIMS, BIRRD and Central Hospital, TTD. The purpose of the CPC is to call tenders for medical and surgical items for all the institutions together. The procurement on tender prices and payment to suppliers will be carried by the authorities of respective institutions. The First meeting was convened on 02.11.2021.

v. Tenders Published:

| S.No. | Date | Particulars |
|-------|------------|---|
| 1 | 21.03.2021 | Medical items, Reagents, Diagnostic Kits etc, Medical Equipment, Medical Equipment under rental basis. |
| 2 | 15.07.2021 | Medical Equipment, Equipment on reagent rentals, General items, Supplementary tender for Medical & Lab items, Supplementary tender for surgical items from Manufacturers, Distributors and Importers, Manual tender for chemical, labware & IHC markers |
| 3 | 13.11.2021 | Medical Equipment, Equipment on reagent rentals, Books and Journals, General items, Chemical, labware & IHC markers, Supplementary tender for medicines and surgical items. |

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vi. Pre-bid Meeting:

| S.No. | Date | Particulars |
|-------|------------|---------------------------------------|
| 1 | 28.04.2021 | Medicines, diagnostic kits & reagents |

vii. Tender Document Evaluation Meetings:

| S.No. | Date | Particulars |
|-------|------------|---|
| 1 | 27.02.2021 | Medical Equipment on reagent rental basis |
| 2 | 26.04.2021 | Medical Equipment |
| 3 | 27.04.2021 | Medical Equipment |
| 4 | 28.04.2021 | Medicines, diagnostic kits & reagents |
| 5 | 10.07.2021 | General items – Stationery, sanitary, computer stationery & linen |
| 6 | 31.07.2021 | Surgical consumables & disposable items |
| 7 | 06.08.2021 | Medical Equipment |
| 8 | 07.08.2021 | Medical Equipment |
| 9 | 10.08.2021 | Medicines, diagnostic kits & reagents |
| 10 | 04.12.2021 | Medicines, diagnostic kits and reagents, Surgical consumables & disposables |
| 11 | 09.12.2021 | Medical Equipment |
| 12 | 11.12.2021 | Medical Equipment |
| 13 | 14.12.2021 | General items – Stationery, sanitary, computer stationery & linen |
| 14 | 17.12.2021 | Medical Equipment |
| 15 | 25.12.2021 | Sanitary, Computer Stationery and Linen items |

viii. Specific Purchase Committee Meetings:

- Upgradation of existing Siemens Cath Lab, Dept. of Cardiology:** The meetings were convened 6 (six) times on 18.01.2021, 15.02.2021, 01.03.2021, 26.03.2021, 18.05.2021 and 14.10.2021.
- Optical Coherence Tomography (OCT), Dept. of Cardiology:** The meeting was convened on 14.10.2021.
- Operating Microscope, Cranial and Spinal Navigation & Multidimensional Mobile imaging system with DSA and imaging table, Dept. of Neurosurgery:** The meeting was convened on 19.10.2021.
- Picture archiving communication system (PACS), Dept. of Radiology and other depts.:** The meeting was convened on 25.10.2021.

ix. Specific Specification Committee Meetings:

- Upgradation of existing Siemens Cath Lab, Dept. of Cardiology:** The meeting was convened on 18.01.2021.
- Operating Microscope, Cranial and Spinal Navigation & Multidimensional Mobile imaging system with DSA and imaging table, Dept. of Neurosurgery:** The meeting was convened on 19.10.2021.
- Picture archiving communication system (PACS), Dept. of Radiology and other depts.:** The meeting was convened on 25.10.2021. The tender was notified on 13.11.2021. Based on the request of the bidders, the onsite survey meeting was convened on 13.12.2021 and Bidders clarification meeting on 17.12.2021 with technical committee.

x. Negotiation Committee Meetings:

| S.No. | Date | Particulars |
|-------|------------|---|
| 1 | 02.01.2021 | Medicines, diagnostic kits & reagents |
| 2 | 04.01.2021 | Medicines, diagnostic kits & reagents |
| 3 | 05.01.2021 | Chemicals, glassware, plasticware, culture media & others |
| 4 | 07.01.2021 | Medical Equipment |
| 5 | 23.01.2021 | Medical Equipment & Medicines, diagnostic kits & reagents |
| 6 | 30.01.2021 | Medical Equipment |
| 7 | 05.02.2021 | Medical Equipment |
| 8 | 08.02.2021 | Medical Equipment |
| 9 | 12.02.2021 | Medical Equipment |
| 10 | 17.02.2021 | Medical Equipment |
| 11 | 13.03.2021 | Medical Equipment |
| 12 | 23.03.2021 | Medical Equipment |
| 13 | 12.04.2021 | Medicines, diagnostic kits & reagents |
| 14 | 23.04.2021 | Medical Equipment |
| 15 | 04.05.2021 | Medical Equipment |
| 16 | 07.05.2021 | Medical Equipment |
| 17 | 20.05.2021 | Surgical consumables & disposables |
| 18 | 21.05.2021 | Surgical consumables & disposables |
| 19 | 25.05.2021 | Medical Equipment |
| 20 | 04.06.2021 | Medical Equipment |
| 21 | 10.06.2021 | Medical Equipment |
| 22 | 15.06.2021 | Medical Equipment & Surgical items |
| 23 | 22.06.2021 | Medical Equipment & Medicines, diagnostic kits & reagents |
| 24 | 29.06.2021 | Medical Equipment & Surgical items |
| 25 | 08.07.2021 | Medical Equipment |
| 26 | 10.07.2021 | Medical Equipment |
| 27 | 10.08.2021 | Medicines, diagnostic kits & reagents |
| 28 | 21.08.2021 | Medical Equipment |
| 29 | 24.08.2021 | Medical Equipment |
| 30 | 02.09.2021 | Chemicals, glassware, plasticware, culture media & others |
| 31 | 09.09.2021 | Surgical consumables & disposables |
| 32 | 22.09.2021 | Medical Equipment |
| 33 | 13.10.2021 | Medicines |

xi. Purchase of Equipments at various stages (Jan-Dec, 2021):

| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|--|------|----------------------------|---------------|------------------------------|----------|
| 1 | Ultrasound for bedside assessments of lung with 3 probes | 1 | SPMCW, Covid Hospital | 11,18,500 | District Covid Grant | received |
| 2 | ECMO Machine | 1 | SPMCW, Covid Hospital | 29,07,520 | District Covid Grant | received |
| 3 | 500 mA X-Ray Machine | 1 | SPMCW, Covid Hospital | 13,90,760 | District Covid Grant | received |
| 4 | Establishment of Sound Proofing of Audiometry room | 1 | ENT | 7,08,000 | S.V. Pranadanam | received |
| 5 | Ultrasound for bedside assessments of lung with 3 probes | 1 | Medicine | 11,18,500 | District Covid Grant & SVIMS | received |
| 6 | High pressure binary gradient liquid chromatography system | 1 | Microbiology | 22,68,000 | VRDL | received |
| 7 | Liquid Nitrogen Transport Container | 1 | VRDL | 2,03,387 | VRDL | received |
| 8 | Automatic Nucleic acid sequencing machine | 1 | Micro biology | 1,06,57,500 | VRDL | received |
| 9 | -800 Deep Freezer | 1 | Microbiology | 9,76,500 | SVIMS | received |
| 10 | Non contact tonometer with motorized stand | 1 | Ophthalmology | 4,87,200 | SVIMS | received |
| 11 | Biological safety cabinets class II type B2 | 2 | Microbiology | 7,90,600 | SVIMS | received |
| 12 | Fluorescent Microscope | 1 | VRDL | 15,76,046 | VRDL | received |
| 13 | 2D Gel Electrophoresis | 1 | VRDL | 45,01,700 | VRDL | received |
| 14 | Inverted Microscope | 1 | VRDL | 15,51,441 | VRDL | received |
| 15 | 500 mA X-ray machine | 1 | Radiology (Covid Hospital) | 13,90,760 | SVIMS | received |
| 16 | Video Laryngoscope with disposable blades | 20 | Anaesthesiology | 3,22,880 | SVIMS | received |
| 17 | Slow Suctions | 3 | ENT | 11,52,480 | SVIMS | received |
| 18 | Co-Ablator | 1 | ENT | 7,39,480 | SVIMS | received |
| 19 | Spinal Endoscopy set | 1 | Neurosurgery | 67,08,800 | SBAVP | received |
| 20 | Ultra pure water purification system | 1 | VRDL | 9,00,000 | SBAVP | received |
| 21 | Vascular Set | 1 | Surgical Gastroenterology | S.V. 4,71,766 | Pranadanam | received |

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| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|--|------|-------------------------------------|--------------|-----------------|-------------|
| 22 | Personal Computers | 20 | Various Depts | 8,19,392 | SVIMS | received |
| 23 | Bubble CPAP | 1 | Paediatrics | 3,13,600 | S.V. Pranadanam | received |
| 24 | Pulse Oximeter | 17 | Casualty Extension & Medicine | 3,63,854 | S.V. Pranadanam | PO Released |
| 25 | Multiparameter Monitor (mid range) | 29 | Casualty Extension & Medicine Ward | 38,97,600 | S.V. Pranadanam | received |
| 26 | Syringe Pump | 78 | Casualty Extension & Medicine Ward | 18,90,580 | S.V. Pranadanam | PO Released |
| 27 | Defibrillator | 3 | Casualty Extension | 5,53,300 | S.V. Pranadanam | received |
| 28 | Multipara Monitor (Higher range) | 10 | Casualty Extension | 50,03,656 | S.V. Pranadanam | received |
| 29 | Automated System for Microbial identification & Antimicrobial susceptibility testing | 1 | Microbiology | 18,29,000 | SBAVP | received |
| 30 | Double dome OT Light with HD Camera | 3 | Surgical Gastroenterology | 46,98,000 | TTD | PO Released |
| 31 | Ultrasonic Surgical Aspirator(CUSA) | 1 | Surgical Gastroenterology | 43,99,043 | S.V. Pranadanam | PO Released |
| 32 | Multimode Microplate Reader | 1 | VRDL | 23,10,000 | VRDL | PO Released |
| 33 | C-Arm | 1 | Surgical Gastroenterology | 18,85,520 | S.V. Pranadanam | PO Released |
| 34 | PUF Doors | 4 | Surgical Gastroenterology | 8,64,968 | TTD | PO Released |
| 35 | Scrub Tank (3 bay) | 1 | Surgical Gastroenterology | 7,44,250 | TTD | PO Released |
| 36 | Fowler Cots | 34 | Casualty Extension | 11,15,747 | S.V. Pranadanam | PO Released |
| 37 | Central Processing Unit | 4 | Medical Records Dept. & JCSR Office | 1,50,110 | SVIMS | received |
| 38 | Open Iron Racks (6 shelves) | 30 | Pathology | 2,00,880 | SVIMS | received |
| 39 | Revolving Chair | 1 | Medical Records Dept. | 6,175 | SVIMS | received |
| 40 | Digital Cameras including 16GB | 1 | Dr YSRA& EHS | 19,494 | SVIMS | received |
| 41 | Hard disk for CC Cameras | 1 | Nuclear Medicine | 9,794 | SVIMS | received |

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| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|--|------|---|--------------|-----------------|----------|
| 42 | X-Ray view box | 1 | Medicine | 3,293 | SVIMS | received |
| 43 | Intercom cables & Telephone DB boxes | | SPMCW | 3,35,860 | SVIMS | received |
| 44 | Repair work of student chairs, wooden cots and Nurses station | 73 | Various Depts. | 1,52,841 | SVIMS | received |
| 45 | CC Cameras with accessories | 15 | SPMCW : College Building | 2,20,837 | SVIMS | received |
| 46 | Repair works of patient trolley wheels and fowler cot wheels etc | 820 | Various Depts. | 2,04,710 | SVIMS | received |
| 47 | Laptops | 2 | DrYSRA& EHS | 79,060 | SVIMS | received |
| 48 | Spare parts for Revolving Chairs, Executive Chairs, cot bushes and locker bushes | 550 | Various Depts. | 47,998 | SVIMS | received |
| 49 | CCTV Cameras along with accessories | 3 | Mortuary | 63,171 | SVIMS | received |
| 50 | CCTV Cameras | 4 | Prayer Hall and Lord NarasimhaSwamyTemple | 54,426 | SVIMS | received |
| 51 | OT Instruments | 150 | Surgical Gastroenterology | 2,20,105 | SVIMS | received |
| 52 | CC Cameras | 9 | Stores | 72,129 | SVIMS | received |
| 53 | Network Hardware items | | Nephrology | 66,163 | SVIMS | received |
| 54 | Scrub Tank | 1 | Cardiology | 2,89,100 | S.V. Pranadanam | received |
| 55 | Grossing station | 1 | Pathology | 5,28,080 | SVIMS | received |
| 56 | Radiation survey meter | 2 | Nuclear Medicine | 1,77,408 | SVIMS | received |
| 57 | Digital Cameras& 16GB Memory Cards | 5 | Dr YSRA, EHA & Radiotherapy | 48,911 | SVIMS | received |
| 58 | Printers | 4 | Various Depts. | 45,893 | SVIMS | received |
| 59 | Thyroid Neck Shield | 10 | Neurosurgery | 33,040 | SVIMS | received |
| 60 | CC Cameras along with accessories | 6 | Biochemistry | 80,208 | SVIMS | received |
| 61 | Personal Computers | 5 | Bioinformatics | 2,92,404 | SVIMS | received |
| 62 | Central processing unit | 6 | Various Depts. | 2,25,165 | SVIMS | received |
| 63 | Stainless steel shelves different sizes | 7 | CSSD | 3,11,094 | SVIMS | received |
| 64 | High end scanners | 7 | Aarogyasri& Computer Section | 2,24,589 | SVIMS | received |

Sri Venkateswara Institute of Medical Sciences

| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|--|------|---|--------------|----------------|----------|
| 65 | X-ray view boxes | 3 | Aarogyasri | 9,878 | SVIMS | received |
| 66 | Personal Computers | 7 | Various Depts. | 3,24,618 | SVIMS | received |
| 67 | Printers | 14 | Various Depts. | 1,60,624 | SVIMS | received |
| 68 | Air Spirometer | 1 | Neurology | 2,42,515 | SVIMS | received |
| 69 | Digital Cameras | 2 | Dr YSRA& EHS | 19,494 | SVIMS | received |
| 70 | A4 Scanners | 17 | Various Depts. | 83,249 | SVIMS | received |
| 71 | 2TB Storage capacity | 1 | Accounts Section | 6,490 | SVIMS | received |
| 72 | Biosafety Cabinet | 1 | Radiation Oncology | 2,72,332 | SVIMS | received |
| 73 | High End Scanners | 2 | Dr YSRA& EHS | 64,168 | SVIMS | received |
| 74 | Tissue Flotation bath | 1 | Pathology | 26,285 | SVIMS | received |
| 75 | Oxygen B type cylinders | 30 | GAS Room | 2,40,720 | SVIMS | received |
| 76 | X-ray view box | 3 | YSRA& EHS | 9,878 | SVIMS | received |
| 77 | Dhana 32 channel NVR 4 SATA support and HDMI cable 15 meters | 1 | Director Office | 33,599 | SVIMS | received |
| 78 | Laboratory Refrigerator 1100 Ltr | 1 | Microbiology | 1,13,900 | SVIMS | received |
| 79 | Work Benches | 9 | VRDL | 2,95,000 | VRDL | received |
| 80 | Barcode Scanners | 10 | Computer Section | 27,695 | SVIMS | received |
| 81 | 15 hosts zoom license | 15 | Various Depts. | 2,30,454 | SVIMS | received |
| 82 | Xerox Machine | 1 | Covid Hospital | 1,98,000 | SVIMS | received |
| 83 | Metal Tables without drawers | 3 | SPMC Hospital | 10,500 | SVIMS | received |
| 84 | Laboratory Refrigerators 1100 Ltrs | 2 | Biochemistry | 2,27,799 | SVIMS | received |
| 85 | Spare parts for Revolving Chairs | 60 | Various Depts. | 46,814 | SVIMS | received |
| 86 | CPU | 3 | Various Depts | 1,25,528 | SVIMS | received |
| 87 | Seagate 2TB Hard Disk | 1 | Purchase Dept | 6,490 | SVIMS | received |
| 88 | Microdebrider | 2 | Neurosurgery & Surgical Oncology | 8,96,000 | SVIMS | received |
| 89 | DVT Pumps | 2 | Emergency Medicine | 3,24,890 | SVIMS | received |
| 90 | Endoscopes of VMS HD Autoclavable 00, 300& 70 degree | 7 | Neurosurgery (4)& Surgical Oncology (3) | 1,88,160 | SVIMS | received |
| 91 | Various instruments | 31 | Surgical Gastroenterology | 4,12,637 | SVIMS | received |

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| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|---|------|---------------------------------|--------------|----------------|----------|
| 92 | Open Iron Rocks (8 shelves) | 40 | Medical Records & Accounts Dept | 2,80,368 | SVIMS | received |
| 93 | Echo Shield Fogger Machine | 2 | Cardiology & VRDL | 60,368 | SVIMS & VRDL | received |
| 94 | Cheque Printer | 1 | Account Section | 15,677 | SVIMS | received |
| 95 | PC Monitors | 12 | Computer Section & Stores | 82,128 | SVIMS | received |
| 96 | Uroflowmetry Machine | 2 | Urology | 1,34,400 | SVIMS | received |
| 97 | External Hard Disk | 1 | ENT | 9,300 | SVIMS | received |
| 98 | Computers | 7 | Accounts Dept | 3,53,528 | SVIMS | received |
| 99 | Super Market Trolleys | 4 | Medical Records Dept | 43,223 | SVIMS | received |
| 100 | Small Instruments | 42 | Surgical Oncology & Urology | 45,100 | SVIMS | received |
| 101 | Instruments tray with lid | 15 | General Surgery | 7,182 | SVIMS | received |
| 102 | Small Instruments | 119 | Various Depts. | 79,279 | SVIMS | received |
| 103 | Mobile Water Tank | 2 | Nephrology | 1,47,777 | SVIMS | received |
| 104 | Xerox Machine | 1 | Credit Cell | 1,98,000 | SVIMS | received |
| 105 | Colour Printer | 1 | VRDL | 18,800 | VRDL | received |
| 106 | CC Cameras | 5 | Microbiology | 65,092 | SVIMS | received |
| 107 | Computers | 2 | Casualty Extension Ward | 1,01,008 | SVIMS | received |
| 108 | Xerox Machine | 1 | Dr YSRA & EHS | 1,43,960 | SVIMS | received |
| 109 | LAN Connectivity and internet connection | | Accounts Dept | 39,474 | SVIMS | received |
| 110 | Laser Printer | 12 | Various Depts. | 1,58,004 | SVIMS | received |
| 111 | External Hard Disk with 2TB Storage capacity | 1 | Urology | 6,490 | SVIMS | received |
| 112 | Xerox Machine | 1 | GM Office | 1,74,640 | SVIMS | received |
| 113 | Echo Shield Fogger Machine | 1 | ENT | 30,184 | SVIMS | received |
| 114 | LCD Projector | 1 | Purchase | 73,006 | SVIMS | received |
| 115 | Digital Camera | 1 | Surgical Gastroenterology | 11,092 | SVIMS | received |
| 116 | Barcode Printers | 5 | Computer Section | 72,275 | SVIMS | received |
| 117 | High Speed Internet Connectivity | | Physiotherapy & Nursing | 1,20,235 | SVIMS | received |
| 118 | CPU | 8 | Computer Section | 3,34,742 | SVIMS | received |
| 119 | Medicine Trolley (8 nos) & Cardiac Tables (2 nos) | 10 | Various Depts. | 1,09,811 | SVIMS | received |

Sri Venkateswara Institute of Medical Sciences

| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|---|------|-----------------------------|--------------|-----------------|-------------|
| 120 | Colour Printer | 1 | Examination Section | 70,210 | SVIMS | received |
| 121 | Wall mounted wooden key cabinet with glass door | 1 | Central Library | 4,800 | SVIMS | received |
| 122 | Xerox Machine | 1 | Medical Records Dept. | 1,91,160 | SVIMS | received |
| 123 | CC Camera | 7 | VRDL | 76,657 | SVIMS | received |
| 124 | Antivirus Software (k7 Enterprise endpoint security) | 100 | Various Depts. | 1,58,356 | SVIMS | received |
| 125 | Workbenches | 4 | VRDL | 1,31,111 | VRDL | received |
| 126 | Binocular Microscopes | 2 | Pathology | 3,12,700 | SVIMS | PO Released |
| 127 | CPU | 8 | Computer Section | 3,34,742 | SVIMS | PO Released |
| 128 | Necessary Accessories for LAN connectivity | | Casualty Corridor | 30,527 | SVIMS | PO Released |
| 129 | Revolving stools | 6 | Stores | 22,862 | SVIMS | PO Released |
| 130 | PC Monitors | 12 | Various Depts. | 1,09,200 | SVIMS | PO Released |
| 131 | LAN connection accessories | | Purchase Dept & Credit Cell | 21,790 | SVIMS | PO Released |
| 132 | Convertible Refrigerator | 2 | VRDL | 1,74,996 | SVIMS | PO Released |
| 133 | OMR Reader Software & OMR Scanner | 1 | Examination Section | 1,03,250 | SVIMS | PO Released |
| 134 | Electrical items (public processing system) | | Purchase Dept | 39,115 | SVIMS | PO Released |
| 135 | Laboratory Refrigerators | 2 | VRDL | 3,49,292 | SVIMS | PO Released |
| 136 | Ultrasound therapy unit | 1 | Physiotherapy | 19,000 | SVIMS | PO Released |
| 137 | Internet connection accessories | | VRDL | 68,653 | SVIMS | PO Released |
| 138 | Sound proofing of audiometry room | | ENT | 7,08,000 | S.V. Pranadanam | received |
| 139 | Panasonic Camera kit with Lens, Portable speaker with Bluetooth, web cam, 32GB USB, Epson EB S41 SVGA | 7 | Community Medicine | 1,27,423 | SVIMS | received |
| 140 | CC Cameras along with Accessories | 20 | SPMCW | 3,54,000 | SVIMS | received |
| 141 | Scanners | 2 | Dermatology & Anatomy | 9,794 | SVIMS | received |

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| S. No | Name of the equipment | Qty. | Department | Amount (Rs.) | Source of Fund | Status |
|-------|---|--------|--------------------------|--------------------|----------------|-------------|
| 142 | PC Speakers (4 nos) & Web Cameras (4 nos) | 8 | SPMCW | 12,552 | SVIMS | received |
| 143 | External Hard Disk | 1 | SPMCW (Principal Office) | 6,490 | SVIMS | received |
| 144 | Tread Mill | 1 | SPMCW Hostel | 1,98,000 | SVIMS | received |
| 145 | Cross Trainer | 1 | SPMCW Hostel | 1,77,650 | SVIMS | received |
| 146 | Tummy Vibrator (1 no) & Abdominal Bench (1 no) | 2 | SPMCW Hostel | 52,650 | SVIMS | received |
| 147 | Steel Dumbbells | 2 sets | SPMCW Hostel | 40,000 | SVIMS | received |
| 148 | Spinal Extension | 1 | SPMCW Hostel | 47,287 | SVIMS | received |
| 149 | Trinocular Microscope with HD Pro Camera and 43" LED Smart TV | 2 | Anatomy & Pathology | 5,30,788 | SVIMS | received |
| 150 | LCD Projector | 1 | SPMCW | 3,26,144 | SVIMS | received |
| 151 | Microdebrider set | 1 | ENT | 4,48,000 | SVIMS | received |
| 152 | Nasal Endoscopy (Adult- 1 no, Paediatric – 1 no) | 2 | ENT | 4,31,200 | SVIMS | received |
| 153 | Mediscope Software | 1 | ENT | 49,560 | SVIMS | received |
| 154 | Fire Safety Locker | 1 | SPMCW | 2,57,157 | SVIMS | received |
| 155 | Mediscope Software | 1 | OBG | 49,560 | SVIMS | received |
| 156 | LCD Projector | 1 | SPMCW | 3,26,144 | SVIMS | received |
| 157 | Work Stations | 10 | SPMCW | 2,14,170 | SVIMS | PO Released |
| | | | Total (Rs): | 9,08,91,118 | | |

xii. Equipment supplied by APMSIDC:

Under the Chairmanship of Executive Officer, TTD, during the review meeting dt.20.04.2021, has ordered to expand the 5th floor of Sri Padmavathi State Covid Hospital for Covid 19 management (2nd wave) by procuring the required equipment urgently to gear up to tackle the patient load. Due to urgency, the APMSIDC was informed to supply the equipment under their rate contract system. The source of funding is approved by Medical Research Committee, to utilize R&D funds from SBAVP scheme. The payment will be made to APMSIDC as per their purchase orders. The following equipment were received.

| S. No | Name of the equipment | Qty. | Amount (Rs.) |
|-------|---------------------------|------|--------------|
| 1 | Fowler cots/ICU cot | 75 | 25,87,500 |
| 2 | Stretcher on Trolley | 50 | 5,30,500 |
| 3 | Wheel Chair foldable type | 25 | 2,02,500 |
| 4 | IV stand with double hook | 100 | 1,50,000 |

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| S. No | Name of the equipment | Qty. | Amount (Rs.) |
|-------|--|-------------------|--------------------|
| 5 | Multipara Monitors | 50 | 44,85,600 |
| 6 | Defibrillators | 05 | 16,18,400 |
| 7 | Office tables with drawers | 31 | 2,09,250 |
| 8 | Needle & syringe destroyer | 10 | 31,460 |
| 9 | Thermometers | 25 | 5,656 |
| 10 | B Type Oxygen cylinders | 10 | 85,550 |
| 11 | Mattress | 32 | 1,09,504 |
| 12 | Heated Humidified High flow cannula (HFNC) | 10 | 74,48,000 |
| 13 | ECG machine | 05 | 6,44,000 |
| 14 | Ventilators (high end) | 25 | 2,70,52,312 |
| 15 | Foot step with double step | 10 | 21,990 |
| 16 | Cots | 32 | 2,08,000 |
| 17 | Bedside Lockers | 145 | 4,95,900 |
| 18 | Steel Almirahs | 31 | 4,27,620 |
| | | Total(Rs): | 4,63,13,742 |

xiii. 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. 2021-22 up to Dec, 2021 the accessories and spares worth of Rs. 1,58,64,345/- are procured.

xiv. 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.

10.0 DIETARY SERVICES

Chief Dietitian

M. Sunitha Devi

Asst. Dietitians

K Geetha R Brahmini M Sowjanya & M Bargavi

Dietitians 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 healthier eating habits.

The following number of OP patients and IP Patients are given diet counselling from January 2021 to December 2021.

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 YSR Aarogyasri Scheme and PD Scheme.
- Regular inspection of canteen and mess to do sample tasting.
- Regular inspection of Covid-19 patients in SPMCWH.

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- Diet supply to the inpatients and staff of Covid- 19 in SPMCWH and SVIMS.
- Liquid diet supply to the inpatients who are unable to take solid diet of Covid- 19 in SPMCWH and SVIMS.
- Supply of dinner to duty doctors in different wards.
- Works as a part of a multi disciplinary team during all VVIPs and VIPs visits, press meetings, sports day, Anniversary day, National festivals, FC meetings, MCI visits, Inauguration programmes etc.
- Supporting the work of other health professions during their departmental CMEs, Oration lectures Conferences, Workshops, all world health days etc.
- Attending weekly grand round meetings, fort night DrYSR Aarogyasri and EHS meetings, monthly meetings like ICC and HOD'S meetings etc.

Counselled patients:

| S. No. | Month | OPD | IPD |
|--------|-----------|-----|------|
| 1 | January | 673 | 2915 |
| 2 | February | 644 | 2717 |
| 3 | March | 592 | 2878 |
| 4 | April | 679 | 2353 |
| 5 | May | 415 | 1962 |
| 6 | June | 451 | 2237 |
| 7 | July | 688 | 2646 |
| 8 | August | 727 | 2662 |
| 9 | September | 733 | 2330 |
| 10 | October | 740 | 2256 |
| 11 | November | 730 | 2468 |
| 12 | December | 743 | 2728 |

Diet supplied to various groups of patients from January 2021 to December 2021.

| 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 SPMCWH | No. of Doctors & staff of Covid-19 SPMCWH | No. of RASS Workers in SPMCWH |
|------|-----------|-------------------------------------|---------------------------------|-----------------------------|------------------------------------|---|-------------------------------|
| 1 | January | 8983 | 0 | 2090 | 1804 | - | - |
| 2 | February | 9874 | 0 | 2065 | 1422 | - | - |
| 3 | March | 12067 | 0 | 2095 | 3364 | - | - |
| 4 | April | 9054 | 0 | 2240 | 8574 | - | - |
| 5 | May | 4048 | 0 | 1740 | 15566 | 736 | - |
| 6 | June | 4329 | 0 | 1710 | 8340 | 2385 | 1460 |
| 7 | July | 7475 | 0 | 2565 | 3587 | 1560 | 1277 |
| 8 | August | 9682 | 0 | 2500 | 3380 | 870 | - |
| 9 | September | 9997 | 0 | 2210 | 2952 | 645 | - |
| 10 | October | 10476 | 0 | 2050 | 1941 | 460 | - |
| 11 | November | 9626 | 320 | 2060 | 897 | - | - |
| 12 | December | 8678 | 1147 | 2060 | 678 | - | - |



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



IX. STATUTORY BODIES



IX. STATUTORY BODIES

The following bodies govern the institute:

1.0 The Governing Council:

| | | |
|-----|--|--------------------------------|
| 1. | Sri Y.V.Subba Reddy Garu Chairman, TTD Board of Trustees | Chairman-Cum-Chancellor |
| 2. | Dr B.Vengamma Director-cum-VC, SVIMS, Tirupati | Member |
| 3. | Sri M.Ravichandra, IAS Principal Secretary to Govt of A.P. HM&FW Department, Velagapudi | Member |
| 4. | Dr G.Vani Mohan, IAS Principal Secretary to Govt. of A.P. Revenue (Endowments) Department, Velagapudi | Member |
| 5. | Dr K.S.Jawahar Reddy, IAS Executive Officer Tirumala Tirupati Devasthanam, Tirupati | Member |
| 6. | Sri Veerabrahmam, IAS Joint Executive Officer Tirumala Tirupati Devasthanams, Tirupati | Member |
| 7. | Dr Syama Prasad Pigilam Vice-Chancellor Dr NTR University of Health Sciences, Vijayawada | Member |
| 8. | Dr Alladi Mohan Dean, SVIMS, Tirupati | Member |
| 9. | Dr K.V.Sreedhar Babu Registrar, SVIMS, Tirupati | Member |
| 10. | Dr J.Rameswar Rao Member, TTD Board of Trustees, Tirupati | Member |
| 11. | Dr S.Shankar Member, TTD Board of Trustees, Tirupati | Member |
| 12. | Dr R.Ram Prof. & HOD of Nephrology, SVIMS, Tirupati | Member |
| 13. | Dr V.Vanajakshamma Professor, Dept. of Cardiology, SVIMS, Tirupati | Member |

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2.0 The Executive Board

| | | |
|----|---|-----------------|
| 1. | Dr K.S.Jawahar Reddy, IAS Executive Officer, Tirumala Tirupati Devasthanams, Tirupati | Chairman |
| 2. | Dr B.Vengamma Director-cum-VC, SVIMS, Tirupati | Member |
| 3. | Sri Veerabrahmam, IAS Joint Executive Officer, Tirumala Tirupati Devasthanams, Tirupati | Member |
| 4. | Sri.O.Balaji FA & CAO, Tirumala Tirupati Devasthanams, Tirupati | Member |
| 5. | Dr Alladi Mohan Dean, SVIMS, Tirupati | Member |
| 6. | Dr S.Shankar Member, TTD Board of Trustees, Tirupati | Member |
| 7. | Dr K.V.Sreedhar Babu Registrar, SVIMS, Tirupati | Member |

3.0 The Finance Committee

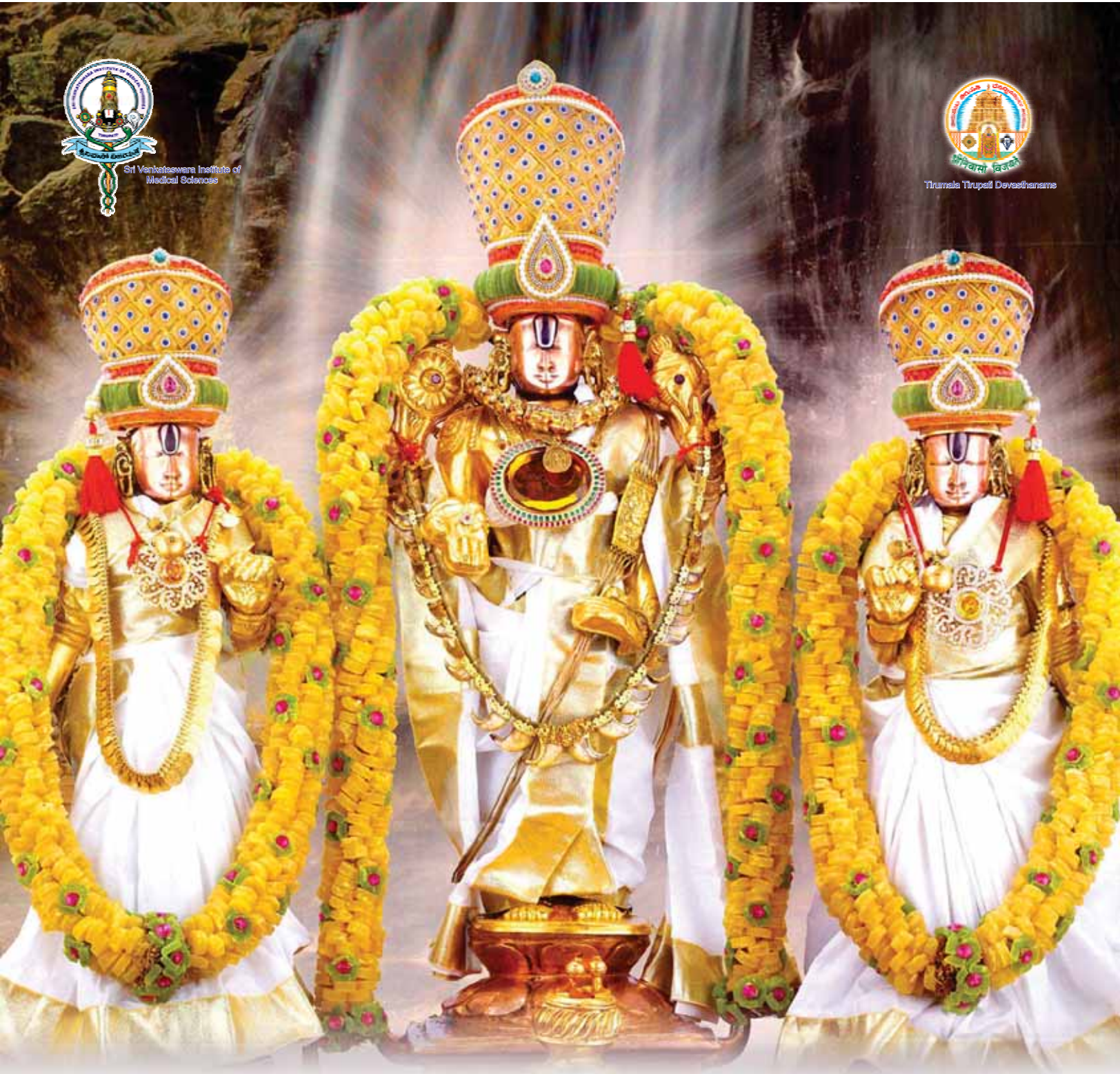
| | | |
|----|---|--------------------|
| 1. | Dr B.Vengamma Director-cum-VC, SVIMS, Tirupati | Chairperson |
| 2. | Sri.O.Balaji FA & CAO, Tirumala Tirupati Devasthanams | Member |
| 3. | Dr K.V.Sreedhar Babu Registrar, SVIMS, Tirupati | Member |

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 | External Member- Hon. Consultant |
| 4. | The Principal, SVMC, Tirupati | External Member- Hon. Consultant |
| 5. | Dr Alladi Mohan, 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 |



Tirumala Tirupati Devasthanams



X ADMINISTRATIVE SET-UP



X ADMINISTRATIVE SET-UP

1.0 Heads of the departments -2021

| 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 VinodBhan i/c |
| 8. | Clinical Virology | Dr UshaKalawat |
| 9. | Community Medicine | Dr K.Nagaraj |
| 10. | Dental Surgery | Dr D.S.Madhu Babu i/c |
| 11. | Dermatology | Dr Surekha. A |
| 12. | Emergency Medicine | Dr A. Krishna Simha Reddy |
| 13. | Endocrinology | Dr AlokSachan |
| 14. | Forensic Medicine | Dr K.Bhaskar Reddy |
| 15. | General Surgery | Dr Y.Mutheeswaraiiah |
| 16. | Haematology | HOD, Medicine i/c |
| 17. | Medical Oncology | Dr D Bhargavi i/c |
| 18. | Medicine | Dr Alladi Mohan |
| 19. | Microbiology | Dr B. VenkataRamana 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 Malathi J i/c |
| 25. | Ophthalmology | Dr P. Prabhanjan Kumar i/c |
| 26. | Otorhinolaryngology | Dr S.B.Amarnath i/c |
| 27. | Paediatrics | Dr Punith Patak Nagaram i/c |
| 28. | Pathology | Dr N. Rukmangadha i/c |
| 29. | Pharmacology | Dr K.UmamaheswaraRao |
| 30. | Physiology | Dr Sharan B Singh M |
| 31. | Plastic Surgery | Dr Praveen Kumar Reddy C.V. |
| 32. | Psychiatry | Dr Ganesh Kumar M i/c |
| 33. | Radio-diagnosis | Dr A.Y. Lakshmi |
| 34. | Radiotherapy | Dr B.V.Subramanian i/c |
| 35. | Rheumatology | Dr K. Sireesha (upto Nov.) |
| 36. | Surgical GE | Dr V.Venkatarami Reddy |
| 37. | Surgical Oncology | Dr H.Narendra |
| 38. | Transfusion Medicine | Dr K.V. Sreedhar Babu |
| 39. | Urology | Dr N.Anil Kumar i/c |

2.0 General Administration

| | |
|------------------------------------|----------------------------|
| Dy. Registrar (S&P) | - Dr M. Yerrama Reddy |
| Dy. Director (General Maintenance) | - Smt M.Prasanna Lakshmi |
| Accounts Officer | - Sri G. Suresh Kumar i/c |
| Asst. Director (Establishment) | - Smt G.P.Manjula |
| Asst. Director (Stores) | - Sri L. Sateesh |
| Asst. Director (O/o Director) | - Sri D.AnandBabu |
| CMRO (Billing i/c) | - Dr K.Vivekanand |
| Asst. Director (NABH) | - Sri G.Babu |
| Asst. Director (Nephroplus & PPP) | - Sri T.RavindraBabu |
| Asst. Director (PR) | - Sri V.Rajasekar |
| Asst. Director (Audit) | - Sri G.Dargaiah |
| Supdt. (Establishment) | - Smt V.Aruna |
| Supdt. (Insurance) | - Smt V. Dhanalakshmi |
| Supdt. (Establishment) | - Smt P.Nagaprasuna |
| Supdt. (Director's Office) | - Smt K. Bharathi |
| Supdt. (Credit Cell) | - Smt S. Santhana Lakshmi |
| Supdt. (Establishment) | - Mr M.Venkataramana Reddy |
| Supdt. (Establishment) | - Mr A. Ramasubba Ramudu |
| Supdt. (GM) | - Smt T. Rajani |
| Supdt. (GM) | - Mr A.R. Nagendra Babu |
| Supdt. (Purchase) | - Mr V. Sreedhar Raju |
| Supdt. (Accounts) | - Mr G. Sreenivasulu |
| Supdt. (Billing) | - Smt N.P.B. Uma Devi |

3.0 University Administration

| | |
|----------------------------|-------------------------|
| Dean | - Dr Alladi Mohan |
| Registrar | - Dr K.V.Sreedhar Babu |
| Controller of Exams i/c | - Dr V. Vanajakshamma |
| Principal, SVIMS, SPMCW | - Dr Sharan B Singh |
| Principal i/c, CON | - Dr P.Sudha Rani |
| Principal i/c, COP | - Dr K.Madhavi |
| Dy. Director, SVIMS, SPMCW | - Dr N.Adikrishnaiah |
| Deputy Director (Academic) | - Sri D.V. Dilip Kumar |
| Asst. Director (Exams) | - Smt V.Sasikala |
| Asst. Director (Academic) | - Smt G.Bhagyasree |
| Librarian | - Dr A. Omkar Murthy |
| Supdt. (C.E.) | - Smt D. Madhavi |
| Supdt. (Academic) | - Smt G. Sailaja |
| Supdt. (SPMCW) | - Mr K. Bhupal |
| Supdt. (Scholarship) | - Mr V. Lokeswara Reddy |

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4.0 Hospital Administration

| | |
|--------------------------------|-------------------------------|
| Medical Supdt. | - Dr R. Ram |
| RMO | - Dr K.V.Koti Reddy |
| CMO | - Dr P. Siva Sankar |
| Chief MEDCO–Dr. YSR Arogyasree | - Dr A.Lokeswara Reddy |
| Chief Dietitian | - Smt M. Sunitha Devi |
| Asst. Director (Nursing) | - Smt T.Prabhavathi |
| Asst. Director (MRD) | - Smt N.Sireesha |
| Supdt. (Medical Reimbursement) | - Mr M.L. Govindarajulu |
| Supdt. (Medical Records) | - Mr K. Mohansreenivasa Royal |
| 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 P. Harsha Vardhan Reddy, Dy.E.E, TTD |
| Senior Biomedical Engg. | - Sri E. Doraiswamy |
| Elec. Engineering | - Sri K. Narasimha Reddy, A.E, TTD |
| Senior Artist | - Sri C.R. Nagaraja |



Sri Venkateswara Institute of
Medical Sciences



Tirumala Tirupati Devasthanams



XI. SVIMS NEWS



[illegible]

SVIMS activities - 2021

వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి

స్వీమ్స్ డైరెక్టర్ డాక్టర్ వెంగమ్మ

తిరుపతి హెడ్, అవని 21 (ప్రతి నిమిషం): ప్రపంచ వ్యాప్తంగా వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి. వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి. వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి.



కాన్ఫరెన్స్లో ప్రసంగిస్తున్న స్వీమ్స్ డైరెక్టర్ వెంగమ్మ

వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి. వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి. వైద్య పరిశోధనలపై మహిళలు శ్రద్ధ చూపాలి.

స్వీమ్స్లో 'సీఎంఈ' విజయవంతం ప్రకటించారు

స్వీమ్స్లో 'సీఎంఈ' విజయవంతం ప్రకటించారు. స్వీమ్స్లో 'సీఎంఈ' విజయవంతం ప్రకటించారు. స్వీమ్స్లో 'సీఎంఈ' విజయవంతం ప్రకటించారు.

క్రీడలతో మానసిక ఉపశమనం

స్వీమ్స్ క్రీడా ప్రాధాన్యత ప్రారంభ సభలో డైరెక్టర్ డాక్టర్ వెంగమ్మ

తిరుపతి హెడ్, అవని 24 (ప్రతి నిమిషం): క్రీడలతో మానసిక ఉపశమనం. క్రీడలతో మానసిక ఉపశమనం. క్రీడలతో మానసిక ఉపశమనం.



క్రీడా ప్రాధాన్యత ప్రారంభిస్తున్న డైరెక్టర్ వెంగమ్మ

క్రీడలతో మానసిక ఉపశమనం. క్రీడలతో మానసిక ఉపశమనం. క్రీడలతో మానసిక ఉపశమనం.

స్వీమ్స్లో సీఎంఈ విజయవంతం



జ్యోతి వెలిగిస్తున్న స్వీమ్స్ సంచాలకులు డాక్టర్ భూమా వెంగమ్మ

తిరుపతి(స్వీమ్స్): స్వీమ్స్లో సీఎంఈ విజయవంతం ప్రకటించారు. స్వీమ్స్లో సీఎంఈ విజయవంతం ప్రకటించారు. స్వీమ్స్లో సీఎంఈ విజయవంతం ప్రకటించారు.

స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక

తిరుపతి హెడ్, అవని 25 (ప్రతి నిమిషం): స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక. స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక. స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక.



స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక. స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక. స్వీమ్స్ ప్రాణదాన పథకానికి 139 మంది ఎంపిక.

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పద్మావతి మహిళా వైద్యశాలలో
లాండ్రీ ప్రారంభం



సూతన లాండ్రి, బాపింగ్ మిషన్లు ప్రారంభిస్తున్న వెంగళు

[illegible][illegible]

టిటిడి వేద పాఠశాల విద్యార్థులు డిశ్చార్జి

1992-1993 = 2000-2001

అన్ని 15 మార్గాల ఫీల్డ్ కేండ్ల పోలీసుల
మొత్తం 150 పోలీసులు ఉంటే 57 మంది మార్గాలు

అలోగ్య జాగ్రత్తలు పాటించాలని
మూలం చూపి దీక్షాభీక్ష

[illegible][illegible]

స్వీట్స్ లో సి.ఎం.ఇ కార్యక్రమం
విజయవంతం

[illegible]

రోగి భద్రతా, అవగాహనా వారోత్సవాలు విజయవంతం

విద్యాలయ - తిరువలలి ప్రైవేట్ : శ్రీ వేంకటేశ్వర స్వయం
విజ్ఞాన సంస్థ (స్వేచ్ఛ) యూనివర్సిటీ ఆఫ్ ర్యూంబల్ శు
క్రవారం శ్రీ వద్దావతి ఉ.పి.డి.లో రోగి భద్రతా, అవ
గాపానా వారోత్సవాల కార్యక్రమాన్ని విజయంవం కం
నిర్వహించారు. తెలియజేశారు. ఈ సందర్భంగా స్వేచ్ఛ
రోగులను ఉద్దేశించి ప్రసంగిస్తూ స్వేచ్ఛ ఈ నెల 14 వ
వారోత్సవాలను నిర్వహిస్తున్న సందర్భంగా శుక్రవారం
ఆర్యర్యంలో రోగుల భద్రతకు సంబంధించి వివిధ అ
తెలిపారు. ప్రతి ఉత్సవం తమ ఆరోగ్యాన్ని పరిరక్షించుకో
వరంగా ఆరోగ్యకరమైన విధానాలను, పద్ధతులైన చేత
ప్రంగా ఉంచుకోవడం, వివిధ మామ్యును ఫరీందరం
గ్లూ వారిసవడంకా ఉంటామని తెలిపారు. ఆరోగ్య
సంపద విధానం వలన మనం ఆరోగ్యంగా ఉండవచ్చు
రెడ్డి గారు రోగులకు మంజులు వ్యాపించినప్పుడు తీస
ర్వతంగా వివరించారు. నర్సింగ్, ఫీజియోథెరపీ విద్యా
దాదా వివరణాత్మకంగా వివరించారు. ఈ కార్యక్రమం
సూపరించబడింది చార్జర్ రామ్, బయోకెమిస్ట్రీ విభాగ
చార్జర్ జయప్రదర్, నర్సింగ్ సూపరించబడింది (పి.డి.
అధ్యాపకులు, విద్యార్థిని విద్యార్థులు, ఇతర సిబ్బంది



వైద్యకర్త, సైన్స్ డాక్టరుల డాక్టర్ వి. వెంకటప్ప
తేది మంచి 20 వ తేది వరకు రోగి ఉద్ధారా
సర్దుంగ్, గెమ్యూరిటీ, పైర్ సేఫ్టీ విభాగా
కాపాటా బార్బరీకృతులను నిర్వహిస్తున్నామని
చాచింది, దీక్షిత్ కన్వీషన్ నివారణ ముఖ్యం అన్న
వాడు తుదకాగా కడగడం, వరినీలాలను ఏ
ంచి అలవాట్లు పోదినదంద ద్వాదా అనా
కరమైన అపారమ అలవాట్లు, క్రమబద్ధ
త తదిపారు. పైర్ సేఫ్టీ అఫీసర్ ఇలంగ్
కోవలసివని జాగ్రత్తలు గురించి, క్రమే
పము చేపంటే సేఫ్టీ గోల్డ్ గురించి
సర్దుంగ్ రిజిస్ట్రార్ డాక్టర్ శ్రీధర్ బాబు,
అధికారి డాక్టర్ అనన్త బిట్ట, మైత్రీ
ప్రభావతి సర్దుంగ్, ఫిజియోథెరె
పిస్టు పోరీనారు.

స్వీట్స్ లో ప్రపంచ క్షయ వ్యాధి నివారణ దినోత్సవం

[illegible]

ఆరోగ్యశ్రీ పరప్రసాధినికి

రూ. 10 లక్షల విరాళం

[illegible]

SVIMS NEWS

SVIMS activities - 2021

ఆరోగ్య పథకాలతో రోగాలు దూరం

డాక్టర్ యం.ఎస్.సిద్ధి



శ్రీశైల ప్రాంతం లోని పాపారావు గ్రామంలో ఆరోగ్య పథకాల ప్రచారం చేసిన సందర్భంగా.

పాపారావు (ప్రభుత్వ) పట్టణం 1 గ్రామం పరిధిలో ఉన్నది. ఇక్కడ వీరేశలింగం ఆరోగ్య కేంద్రం, ఆరోగ్య పథకాల ప్రచారం చేసిన సందర్భంగా. పాపారావు గ్రామంలో ఆరోగ్య పథకాల ప్రచారం చేసిన సందర్భంగా. పాపారావు గ్రామంలో ఆరోగ్య పథకాల ప్రచారం చేసిన సందర్భంగా.

కరోనా నియంత్రణ సామాజిక బాధ్యత



పరస్పర చాలా దూరంగా ఉండటం, ముఖం కవచించడం, తరచుగా చేతులు కడుక్కోవడం వంటివి కరోనా నియంత్రణకు ముఖ్యమైనవి. కరోనా నియంత్రణకు ముఖ్యమైనవి. కరోనా నియంత్రణకు ముఖ్యమైనవి.

కరోనా నియంత్రణకు ముఖ్యమైనవి. కరోనా నియంత్రణకు ముఖ్యమైనవి. కరోనా నియంత్రణకు ముఖ్యమైనవి.

పెద్దమ్మల ముందు బాటలో వాహనాల విశదీకరణ



పెద్దమ్మల ముందు బాటలో వాహనాల విశదీకరణ. పెద్దమ్మల ముందు బాటలో వాహనాల విశదీకరణ.

ప్రాణాలను నిలబెడుతున్న స్విమ్మీ ముందస్తు చర్యలు



ప్రాణాలను నిలబెడుతున్న స్విమ్మీ ముందస్తు చర్యలు. ప్రాణాలను నిలబెడుతున్న స్విమ్మీ ముందస్తు చర్యలు.

బడుగులు, లాగారిన వరాల ఆశాజ్యోతి అంబేద్కర్



బడుగులు, లాగారిన వరాల ఆశాజ్యోతి అంబేద్కర్. బడుగులు, లాగారిన వరాల ఆశాజ్యోతి అంబేద్కర్.

డాక్టర్ కాకర్ల కృషితోనే స్విమ్మీ అభివృద్ధి



డాక్టర్ కాకర్ల కృషితోనే స్విమ్మీ అభివృద్ధి. డాక్టర్ కాకర్ల కృషితోనే స్విమ్మీ అభివృద్ధి.

ఆక్సిజన్ కొరత లేదు



ఆక్సిజన్ కొరత లేదు. ఆక్సిజన్ కొరత లేదు.

ఆక్సిజన్ కొరత లేదు



ఆక్సిజన్ కొరత లేదు. ఆక్సిజన్ కొరత లేదు.

Lung scan not substitute for RT-PCR

V. PRADEEP KUMAR, THIRUPATI

THOUGH CT scan of chest is not a primary screening test for coronavirus, panic driven people are rushing towards scanning centres to get it done. There was a view among some doctor circles too that since Covid-19 is a respiratory disease, the chest imaging may help diagnose people for the disease. In the eagerness to know whether they are Covid positive, people are even going directly to diagnostic centres to undergo a CT scan to know the result

It can be used as a conjunction to RT-PCR but not as a replacement

Vaccination may cause fever but not Covid positive

instantly. However, Dr Al-lahi Mohan, Head of Medicine Department at SVIMS, said that CT chest is not a replacement for RT-PCR. "Doctors use it not as an upfront diagnostic test but as an add-on test to know

suggestive. It will not commonly tell 'what' the disease is and as such 'will not confirm' Covid-19. To know what the disease is one must do RT-PCR.

"Taking the history of exposure, travel, epidemiology background etc., into consideration, if there is a clinical suspicion of Covid, the diagnostic test is RT-PCR only though it is positive or negative

SVIMS NEWS



SVIMS activities - 2021

పద్మావతి ఆస్పత్రిలో మాడ్చులర్ ఓటీ ప్రారంభం

[illegible]

అవరోధాని గురించి ప్రాచీనకావ్యము
ప్రాచీన దైత్యుని పాదము

స్వీష్టులో నూతన అత్యవసర విభాగం ప్రారంభం



Inauguration of additional casualty and PSA Plant in SVIMS

[illegible]

SVIMS casualty wing set for major expansion

[illegible]

థర్ వేప్పై ఆందోళన వద్దు... నిరక్షం తగదు



Aarogyasri patients to get new block at SVIMS

[illegible]

ఆరోగ్యశ్రీ ఆధ్వర్యంలో ఆరోగ్య మారథాన్



స్వీమ్స్ యూనివర్సిటీలో రివైజ్డ్ బేసిక్ కోర్స్ వర్క్ షాప్ ప్రారంభం

[illegible]

స్వీష్టులో ఆరోగ్యశ్రే రోగులకు నూతన బ్లాక్

[illegible]

සූර්යාලයේ සිට ප්‍රකාශනය වන විද්‍යුත් චුම්බක තරංග



SVIMS activities - 2021

రోడ్డు ప్రమాదాలపై స్విమ్మీ న్యూరో సర్జరీ విభాగం అధ్యయనం

- మానవ తప్పిదాల వల్లే 80 శాతం ప్రమాదాలు

[illegible][illegible]

The above program is a simple example of a program that can be used to generate a list of all the prime numbers less than a given number. The program uses a simple algorithm to test whether a number is prime or not. It starts by assuming that a number is prime, and then tests whether it is divisible by any number from 2 to the square root of the number. If it is divisible, then it is not prime. If it is not divisible, then it is prime. The program then prints out the list of prime numbers.

၁၉၄၀ ခုနှစ်ကပင် အမေရိကန် သမ္မတ ရှူးဗင်တန်က အမေရိကန် အစိုးရက အာရှတိုက် အတွင်း အစိုးရ အဖွဲ့များကို ဖွဲ့စည်းပေးခဲ့သည်။ အဲဒီအခါက အမေရိကန် အစိုးရက အာရှတိုက် အတွင်း အစိုးရ အဖွဲ့များကို ဖွဲ့စည်းပေးခဲ့သည်။ အဲဒီအခါက အမေရိကန် အစိုးရက အာရှတိုက် အတွင်း အစိုးရ အဖွဲ့များကို ဖွဲ့စည်းပေးခဲ့သည်။

சென்னை



United Director Dr. S. Sengupta addressing the participants at NIPICOW-2021 in Thiruvananthapuram

క్విటీ ఎజెండాకు బహుముఖ ప్రధానం



1-2 ವಾರ್ಷಿಕ ಚರ್ಮದ ರಕ್ತದ ವಿಸರಣೆ, ಕುಸಿತ

[illegible]

అతి వేగమే ఎక్కువ ప్రమాదాలకు కారణం

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සමස්ත මුද්. අගය 25 ක්වැටුණි. එහි 20.25% ක් පැහැරදෙනවා. පැහැරදෙන මුද්. 5 ක් හැරුණු 15.25 ක් පමණක් පැහැරදෙනවා. අනෙක් 5 ක් පමණක් පැහැරදෙනවා. එහි 2.5 ක් පැහැරදෙනවා. අනෙක් 2.5 ක් පැහැරදෙනවා. එහි 1.25 ක් පැහැරදෙනවා. අනෙක් 1.25 ක් පැහැරදෙනවා. එහි 0.625 ක් පැහැරදෙනවා. අනෙක් 0.625 ක් පැහැරදෙනවා. එහි 0.3125 ක් පැහැරදෙනවා. අනෙක් 0.3125 ක් පැහැරදෙනවා. එහි 0.15625 ක් පැහැරදෙනවා. අනෙක් 0.15625 ක් පැහැරදෙනවා. එහි 0.078125 ක් පැහැරදෙනවා. අනෙක් 0.078125 ක් පැහැරදෙනවා. එහි 0.0390625 ක් පැහැරදෙනවා. අනෙක් 0.0390625 ක් පැහැරදෙනවා. එහි 0.01953125 ක් පැහැරදෙනවා. අනෙක් 0.01953125 ක් පැහැරදෙනවා. එහි 0.009765625 ක් පැහැරදෙනවා. අනෙක් 0.009765625 ක් පැහැරදෙනවා. එහි 0.0048828125 ක් පැහැරදෙනවා. අනෙක් 0.0048828125 ක් පැහැරදෙනවා. එහි 0.00244140625 ක් පැහැරදෙනවා. අනෙක් 0.00244140625 ක් පැහැරදෙනවා. එහි 0.001220703125 ක් පැහැරදෙනවා. අනෙක් 0.001220703125 ක් පැහැරදෙනවා. එහි 0.0006103515625 ක් පැහැරදෙනවා. අනෙක් 0.0006103515625 ක් පැහැරදෙනවා. එහි 0.00030517578125 ක් පැහැරදෙනවා. අනෙක් 0.00030517578125 ක් පැහැරදෙනවා. එහි 0.000152587890625 ක් පැහැරදෙනවා. අනෙක් 0.000152587890625 ක් පැහැරදෙනවා. එහි 0.0000762939453125 ක් පැහැරදෙනවා. අනෙක් 0.0000762939453125 ක් පැහැරදෙනවා. එහි 0.00003814697265625 ක් පැහැරදෙනවා. අනෙක් 0.00003814697265625 ක් පැහැරදෙනවා. එහි 0.000019073486328125 ක් පැහැරදෙනවා. අනෙක් 0.000019073486328125 ක් පැහැරදෙනවා. එහි 0.0000095367431640625 ක් පැහැරදෙනවා. අනෙක් 0.0000095367431640625 ක් පැහැරදෙනවා. එහි 0.00000476837158203125 ක් පැහැරදෙනවා. අනෙක් 0.00000476837158203125 ක් පැහැරදෙනවා. එහි 0.000002384185791015625 ක් පැහැරදෙනවා. අනෙක් 0.000002384185791015625 ක් පැහැරදෙනවා. එහි 0.0000011920928955078125 ක් පැහැරදෙනවා. අනෙක් 0.0000011920928955078125 ක් පැහැරදෙනවා. එහි 0.00000059604644775390625 ක් පැහැරදෙනවා. අනෙක් 0.00000059604644775390625 ක් පැහැරදෙනවා. එහි 0.000000298023223876953125 ක් පැහැරදෙනවා. අනෙක් 0.000000298023223876953125 ක් පැහැරදෙනවා. එහි 0.0000001490116119384765625 ක් පැහැරදෙනවා. අනෙක් 0.0000001490116119384765625 ක් පැහැරදෙනවා. එහි 0.00000007450580596923828125 ක් පැහැරදෙනවා. අනෙක් 0.00000007450580596923828125 ක් පැහැරදෙනවා. එහි 0.000000037252902984619140625 ක් පැහැරදෙනවා. අනෙක් 0.000000037252902984619140625 ක් පැහැරදෙනවා. එහි 0.0000000186264514923095703125 ක් පැහැරදෙනවා. අනෙක් 0.0000000186264514923095703125 ක් පැහැරදෙනවා. එහි 0.00000000931322574615478515625 ක් පැහැරදෙනවා. අනෙක් 0.00000000931322574615478515625 ක් පැහැරදෙනවා. එහි 0.000000004656612873077392578125 ක් පැහැරදෙනවා. අනෙක් 0.000000004656612873077392578125 ක් පැහැරදෙනවා. එහි 0.0000000023283064365386962890625 ක් පැහැරදෙනවා. අනෙක් 0.0000000023283064365386962890625 ක් පැහැරදෙනවා. එහි 0.00000000116415321826934814453125 ක් පැහැරදෙනවා. අනෙක් 0.00000000116415321826934814453125 ක් පැහැරදෙනවා. එහි 0.000000000582076609134674072265625 ක් පැහැරදෙනවා. අනෙක් 0.000000000582076609134674072265625 ක් පැහැරදෙනවා. එහි 0.0000000002910383045673370361328125 ක් පැහැරදෙනවා. අනෙක් 0.0000000002910383045673370361328125 ක් පැහැරදෙනවා. එහි 0.00000000014551915228366851806640625 ක් පැහැරදෙනවා. අනෙක් 0.00000000014551915228366851806640625 ක් පැහැරදෙනවා. එහි 0.000000000072759576141834259033203125 ක් පැහැරදෙනවා. අනෙක් 0.000000000072759576141834259033203125 ක් පැහැරදෙනවා. එහි 0.0000000000363797880709171295166015625 ක් පැහැරදෙනවා. අනෙක් 0.0000000000363797880709171295166015625 ක් පැහැරදෙනවා. එහි 0.00000000001818989403545856475830078125 ක් පැහැරදෙනවා. අනෙක් 0.00000000001818989403545856475830078125 ක් පැහැරදෙනවා. එහි 0.000000000009094947017729282379150390625 ක් පැහැරදෙනවා. අනෙක් 0.000000000009094947017729282379150390625 ක් පැහැරදෙනවා. එහි 0.0000000000045474735088646411895751953125 ක් පැහැරදෙනවා. අනෙක් 0.0000000000045474735088646411895751953125 ක් පැහැරදෙනවා. එහි 0.00000000000227373675443232059478759765625 ක් පැහැරදෙනවා. අනෙක් 0.00000000000227373675443232059478759765625 ක් පැහැරදෙනවා. එහි 0.000000000001136868377216160297393798828125 ක් පැහැරදෙනවා. අනෙක් 0.000000000001136868377216160297393798828125 ක් පැහැරදෙනවා. එහි 0.0000000000005684341886080801486968994140625 ක් පැහැරදෙනවා. අනෙක් 0.0000000000005684341886080801486968994140625 ක් පැහැරදෙනවා. එහි 0.00000000000028421709430404007434844970703125 ක් පැහැරදෙනවා. අනෙක් 0.00000000000028421709430404007434844970703125 ක් පැහැරදෙනවා. එහි 0.000000000000142108547152020037174224853515625 ක් පැහැරදෙනවා. අනෙක් 0.000000000000142108547152020037174224853515625 ක් පැහැරදෙනවා. එහි 0.0000000000000710542735760100185871124267578125 ක් පැහැරදෙනවා. අනෙක් 0.0000000000000710542735760100185871124267578125 ක් පැහැරදෙනවා. එහි 0.00000000000003552713678800500929355621337890625 ක් පැහැරදෙනවා. අනෙක් 0.00000000000003552713678800500929355621337890625 ක් පැහැරදෙනවා. එහි 0.000000000000017763568394002500461778106689453125 ක් පැහැරදෙනවා. අනෙක් 0.0000000

[illegible]

The 1990s saw a significant increase in the number of people who were able to afford to buy a house. This was due to a combination of factors, including a rise in the number of people who were able to get a mortgage, and a rise in the number of people who were able to afford to buy a house.

1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 2593. 2594. 2595. 2596. 2597. 2598. 2599. 2600. 2601. 2602. 2603. 2604. 2605. 2606. 2607. 2608. 2609. 2610. 2611. 2612. 2613. 2614. 2615. 2616. 2617. 2618. 2619. 2620. 2621. 2622. 2623. 2624. 2625. 2626. 2627. 2628. 2629. 2630. 2631. 2632. 2633. 2634. 2635. 2636. 2637. 2638. 2639. 2640. 2641. 2642. 2643. 2644. 2645. 2646. 2647. 2648. 2649. 2650. 2651. 2652.

The first of these is the fact that the
 government has been unable to
 raise the necessary funds to
 cover the costs of the
 program. This is due to a
 combination of factors,
 including the fact that the
 government has been
 unable to raise the
 necessary funds to
 cover the costs of the
 program.

స్విమ్మిలో అరుదైన శస్త్రచికిత్స

[illegible]

- శరీరంలోకి చొచ్చుకొన్న విషమత్తస్థిని తొలగించిన వైద్యులు
- కోలుకుంటున్న బాధితుడు

[illegible]

Now, cashless medicare
available at SVIMS

HEANS NEWS SERVICE
THRUOUT

TTO has tied up with several health insurance companies to operate cashless medical treatments at the SVIMS hospital in the directions of the TTO E. K. S. Jawahar Reddy, cashless Medicare has commenced a premier super specialty hospital to cater the patients. Till now facility was only there except Neurology, Srs and PALS section. Last month all patients were

The prominent health insurance companies that had entered into SVIMS were - IPFCC, Future General, Safeway Health, Raja Alliance, Family Health, Plan Insurance General Insurance, Aardor Insurance.

గోల్డెనల భద్రత.. స్క్వేర్ బాధ్యత

[illegible][illegible]

‘పార్కిన్సన్స్’ నియంత్రణ సాధ్యం



ಶೃಂಗೇರಿ ಮಠದ
ಪ್ರಾಚಾರ್ಯರಾದ
ಶ್ರೀಮದ್ವಿವೇಕಾನಂದರು
ರಚಿಸಿದ ಈ ಪುಸ್ತಕ
ವಿಶೇಷವಾಗಿದೆ.

[illegible]

VIMS K

2



Director cum Vice Chancellor Dr. B.Vengamma garu welcomed
Hon'ble Chief Minister of Andhra Pradesh
Sri Y.S.Jagan Mohan Reddy garu



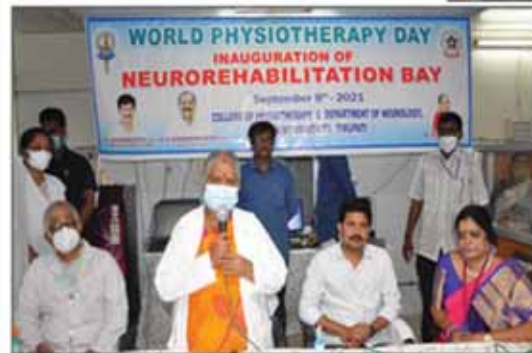
Hon'ble Union Minister Sri G. Kishan Reddy garu and A.P.
State Minister Sri B. Rajendranadha Reddy garu visited
SVIMS Vaccination Centre



SVIMS NEWS



SVIMS activities - 2021



SVIMS NEWS



National Accreditation Board for Hospitals & Healthcare Providers

(Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

Sri Venkateswara Institute of Medical Sciences

Alipiri Road Alipiri, Tirupati
Chittoor - 517507, Andhra Pradesh

has been assessed and found to comply with NABH
Accreditation Standards for Hospitals. This certificate
is valid for the Scope as specified in the annexure subject to
continued compliance with the accreditation requirements.

Valid from : January 06, 2022
Valid thru : January 05, 2025



H-2022-0891

Certificate No.
H-2022-0891

Dr. Atul Mohan Kochhar
Chief Executive Officer

National Accreditation Board for Hospitals & Healthcare Providers, 5th Floor, ITPI Building, 4A, Ring Road, IP Estate, New Delhi 110 002, India
Phone: +91 11 42800000 Fax: +91 11 2332 3815 Email: helpdesk@nabh.co Website: www.nabh.co



SI No. 006561

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SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES



మానవసేవే మాధవసేవ

SVIMS A COMMITMENT TO PROGRESS

