

ANNUAL REPORT

2018



**SRI VENKATESWARA
INSTITUTE OF MEDICAL SCIENCES**

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

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

TIRUMALA TIRUPATI DEVASTHANAMS, TIRUPATI



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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 ఉండేట్టి, సకల శ్రేయస్సును కలిగించునట్టి, సర్వప్రాణులకు జ్ఞానమనే స్తన్యమును ఇచ్చునట్టి ఈ జగత్తుకే తల్లియైనట్టి శ్రీలక్ష్మీదేవిని నమస్కరించుచున్నాను.

गुरोरधीताखिलवैद्यविद्यः पीयूषपाणिः कुशलः क्रियासु।

गतस्पृहो धैर्यधरः कृपालुः शुद्धोधिकारी भिषगीदृशः स्यात् ॥ (సుభాషితసుధాస్రభాణ్డాగారే)

గురోరధీతాఖిలవైద్య విద్యః పీయూషపాణిః కుశలః క్రియాసు।

గతస్పృహో ధైర్యధరః కృపాళుః శుద్ధోధికారి భిషగీదృశః స్యాత్ ॥ (సుభాషితసుధాస్రభాణ్డాగారే)

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

शरीरं जर्झरीभूते व्याधिग्रस्ते कलेबरे।

औषधं जाह्नवी तोयं वैद्यो नारायणो हरिः ॥ (సుభాషితరత్నభాణ్డాగారే)

శరీరే జర్జరీభూతే 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॥

వాక్సిద్ధి ప్రణతి క్వాంతి లభతే నా రసాయనాత్ ॥ (చరకసंहిత-అధ్యాయ-2, పాద:-2, శ్లోకౌ-7,8)

దీర్ఘమాయుః స్మృతిం మేధామ్ ఆరోగ్యం తరుణం వయః ।

ప్రభావర్ణస్వరౌదార్యం దేహేంద్రియబలం పరమ్ ॥

వాక్సిద్ధిం ప్రణతిం కాంతిం లభతే నా రసాయనాత్ ॥ (చరకసంహిత-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-VC'S DESK.....



Om Namo Venkatesaya!

I have great pleasure in presenting this Annual Report for the year 2018. We thank the Editorial Board and staff of Academic Section for the compilation of year long activities of SVIMS.

SVIMS is continuing to make greater strides in all dimensions: patient care, education, research & community outreach. We are striving for excellence and are developing an University without borders. The year 2018 was remarkable for us completing NABH entry level certification, bringing fruition to final MCI inspection of our MBBS program, populating Centre for Advanced Research (CfAR) with several research programmes getting top 100 NIRF ranking, standing tall as the Best Hospital in public sector in NTRVSS, to name a few.

All the above are possible due to the commitment of every member of SVIMS family & the blessings of Lord Balaji. We thank TTDs and Govt. of A.P. for their unswerving support. With the magnanimity of donors, SVIMS raised highest ever amount of research funds.

In the service of Lord Venkateswara

Dr T.S. Ravikumar
Director-cum-Vice Chancellor

VISION

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

MISSION

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

VALUES

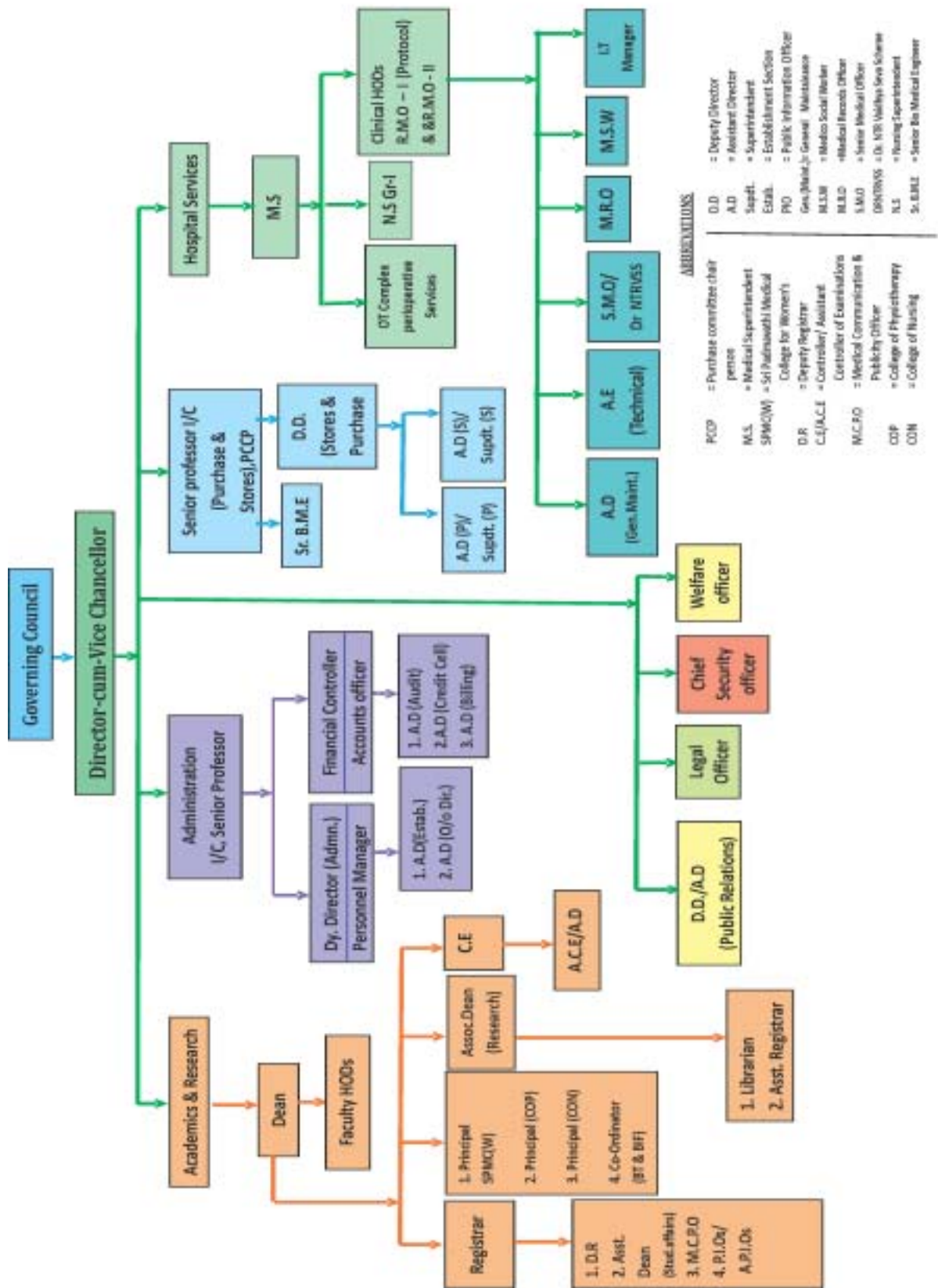
- ★ “SVIMS family”
- ★ First in Service.....Best in Practice
- ★ Punctuality
- ★ Ownership & Loop closure
- ★ Stakeholder experience to guide progress
- ★ Quality, Accountability & Transparency

Objectives of the Institute

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

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

**SRI VENAKATESWARA INSTITUTE OF MEDICAL SCIENCES::TIRUPATI
ORGANIZATIONAL SETUP**



Sri Venkateswara Institute of Medical Sciences

(A University Established by Andhra Pradesh State Legislature)

Tirumala Tirupati Devasthanams, Tirupati.

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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 2017 is prepared.

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I EXECUTIVE SUMMARY



I Executive summary

1. SVIMS Snap Shot

Hospital (2018)			
Parameter	2018	Increase 2018 Vs 2017	%
Beds	1094		
Outpatients	5,48,174	↓	3.6
Inpatients	42,577	↑	5.7
Investigations	21,78,575	↑	3.6
Surgeries	12,956	↑	16.9
Average length of stay	6.65	↓	8
Total Hospital death rate	3.60	↓	7

Community Benefit – Total over the years	
Medical Camps	1176
Total Poor Patients benefitted	643652
Free Clinics	12 / Month

2. Patient care services

SVIMS is providing comprehensive services of high quality at affordable cost, offering tertiary services to the entire state of Andhra Pradesh & neighboring states. Our emphasis is on the poor & the under-served with about 80% of patients below poverty line. Our patient visits and hospital admissions together were at an all time high, crossing 5 lakhs during 2018, serving the population of Rayalaseema & surrounding regions. Along with this overall increase of Inpatients is 5.7% compared with 2017, our surgery volume is up by 16.9% compared with 2018, and the number of investigations, crossing 21 lakhs also recorded 3.6% increase compared to prior year.

In order to serve the poor & needy, SVIMS taps into Dr. NTR Vaidya Seva Scheme and SV Pranadana trust to finance its cost of care. SVIMS also provided unreimbursed free care worth about Rs. 30 Crore during 2018 alone, and to date, a total of Rs. 255 crores worth of free care has been provided, adding to the community benefit. A record number of 1176 free camps have been

Budget (2018-19)	
Budget	Rs. 230.77 Cr
Total Employees :	2176

Academics (2018-19)	
Admissions	541
Total Students	1986
Total Courses (UG, PG, Super specialty and Allied Health Sciences)	68

Research 2018	
Publications	170
Extramural Grants	Rs. 4.35 Cr
Sri Balaji Arogya Varaprasadini fund	Rs. 43.37 Cr

conducted so far during the last two decades, benefiting over 6 lakh poor patients.

3. NABH entry level certification completion

SVIMS got approval for entry level certification of NABH. Director-cum-VC Dr T.S. Ravikumar congratulates the NABH cell and core group leaders Dr. T.C.Kalawat, Dr. Alok Sachan, Dr. Aparna R Bitla & Dr. G. Sivarama Krishna. SVIMS recognizes the support given by the chapter wise leaders and coordinators, department quality managers and quality co-ordinators, as well as faculty, nursing, administration and other staff for their tireless efforts in implementing the NABH standards.

4. Academic Activities

Since 2003, SVIMS is running several broad and super-specialty courses recognized/permitted by MCI, Ph.D programme, as well as UG / PG / Diploma courses in Nursing, Physiotherapy and Paramedical courses. For the academic year 2018-19, 541 students were admitted in 68 academic programmes including 61 postgraduate students, out of which 38 in 10 broad specialties (MD); 13 in 5 super-

specialty medical branches (DM); and 10 in 5 surgical speciality branches (MCh). A total of 1986 students are at present in the University campus – an all time high!

Sri Padmavathi Medical College for Women (SPMC-W) was started with 150 MBBS admissions from 2014-15 academic year. Currently, 5 batches of 150 students in each batch are in SVIMS.

During the academic year 2017-18, the following degrees were awarded during the 9th convocation held on 01.12.2018:

S.No.	Degrees awarded – category wise	Total
1.	Undergraduates in Nursing, Physiotherapy, Allied Health Sciences	195
2.	Postgraduates in Nursing, Physiotherapy, Medical & Life Sciences	54
3.	Postgraduates in Medicine (Broad & Super specialities)	46
4.	Ph.D	6
	Total	301

4.1 AHA's International Training Centre

Hon'ble Minister for Health and Medical Education, A.P., Dr. Kamineni Srinivas garu inaugurated SVIMS Simulation / Skill Centre and American Heart Association (AHA) designated international Training Centre (ITC) on 20th February, 2018, SVIMS AHA - IT was formed with an aim to impart training in AHA Emergency Cardiovascular Care courses and provider and instructor courses in Basic Live Support (BLS) and Advanced Cardiac Life Support (ACLS) to all medical professionals SVIMS AHA – ITC is established in 5,000 sq. ft area with a cost of Rs. 6 crores for SVIMS simulation System (S3) funded by Sri Balaji Arogya Varaprasadini Scheme.

The global network of ITC's are established on educate people about the cardiovascular diseases including stroke, its prevention and treatment. Cardiovascular disease and stroke together account for the largest number of deaths currently and into the future. Therefore, this AHA partnership is an important step in the long race ahead to reduce deaths, save lives and mitigate the burden of disease in our region. SVIMS is the only centre in Andhra Pradesh to have this distinction to provide both ACLS and BLS courses.

The course content is designed in such a way that it gives a complete overview of current resuscitation concepts. Those receiving training are certified as BLS and ACLS providers and instructors by AHA. SVIMS has conducted 8 BLS & 5 ACLS training sessions including 1 BLS & 1 ACLS instructor course training sessions. 93 persons completed BLS & ACLS provider course and 337 persons received training in BLS Provider course. 6 persons completed both BLS & ACLS instructor course.



5. Honors

5.1 NIRF India Rankings 2018: The National Institutional Ranking Framework (NIRF) was launched in 2015 by Ministry of Human Resources and Development, Government of India, to rank higher educational institutions in the country based on objective criteria to promote competitive excellence in the higher educational institutions

In 2018, SVIMS was ranked amongst the top 100 Higher Education Institutions in India, Ranked 62nd among Universities and 89 Overall rank among 957 participated educational institutions.



5.2 Dr V. Suresh, Professor, Department of Endocrinology, **Dr. R.Ram**, Professor & Head, Department of Nephrology and **Dr. H. Narendra**, Professor & Head, Department of Surgical Oncology were awarded with *Andhra Pradesh State Best Teacher Award* at University Level from Hon'ble Chief Minister, Govt. of AP during the teachers day celebration held at Vijayawada on 5th September 2018.



5.3 Dr. V. Subhadra Devi, Professor & Head, Anatomy, **Mr. T. Ravindra Babu**, Assistant Director (GM), **Dr. E.G. Thiruvankata Kumar**, Lab Technician-Gr I, Department of Endocrinology received the awards from the District Collector during 72nd Independence day at District Head quarters.



5.4 Dr Alok Sachan, Medical Superintendent, **Dr N. Adikrishnaiah**, Personnel Manager & Dy. Director (Admin., i/c **Dr. K.Madhavi**, Principal i/c College of Physiotherapy, **K. Sreenivasulu** Personnel Assistant (outsourcing staff) received *Utkrasta Yogyatha Award* from the District Collector on the eve of Republic Day held at Chittoor on 26th January.



5.5 Recognition to Dr T.S. Ravikumar, Director-cum-VC:

Dr T.S.Ravikumar, Director-cum-VC was appointed President of AIIMS, Mangalagiri for 5 years by Ministry of Health and Family Welfare, Govt. of India and took charge on 2nd November 2018. As President of AIIMS, he will also chair the Institute body and Governing body and help in mentorship of AIIMS, Mangalagiri. He was also elected as Honorary fellow of Andhra Pradesh Akademi of Sciences.



Visiting Scholar to Harvard:

Dr. T.S. Ravikumar, Director cum Vice Chancellor, SVIMS was the “Invited Visiting Scholar” to Harvard between July 17-19, 2018. During this visiting Scholar program, he gave a seminar to the greater Harvard community, entitled “Engaged Leadership to Transform the Quality of Care in Healthcare: Lessons from India”. One-on-one meetings were held with several Harvard faculty, and a round table discussion was organized to identify key areas for focus in transforming health care in India through global collaborative engagement.

Paper presented at International Forum on Quality & Patient Safety in Healthcare: The premier quality and patient safety Global forum was held in Melbourne, Australia during 10th -12th September, 2018 bringing together world leaders in healthcare quality. About 1700 delegates have attended from all continents. In addition to several workshops, all presentations were selected in poster format and select few were presented on stage. SVIMS work in patient safety was chosen for presentation on 11th September, 2018 on stage-Prof. T.S.Ravikumar SVIMS VC presented the paper “Safe Practices Save Lives Model, using Multiple Wedges of Improvement” as innovation in patient safety.



5.6 SVIMS ranked No.1 by Dr. NTRVSS Trust:SVIMS was presented the award for providing exceptional health care services to patients under Dr NTR Vaidya Seva Trust in July 2018. SVIMS won the “Best Teaching Hospital” award among all the Government institutions in Andhra Pradesh. NTRVSS presented “Best Performing Specialty” awards to 7 specialties of SVIMS in which departments of Neurosurgery & Rheumatology stood at 1st place and departments of C.T. Surgery, Radiation Oncology, Surgical Oncology, Medical Oncology, and Urology stood at 2nd place.



5.7 Book on Multivariate Statistics for Researchers Released: Prof.(Dr.) T.S.Ravikumar, Director cum Vice Chancellor, SVIMS University released a book titled “Multivariate Statistics Made Simple – A Practical Approach” authored by Prof. K.V.S.Sarma, Biostatistician cum Research Coordinator of SVIMS. The book was published by CRC Press of the Taylor and Francis group. Details can be found at www.crcpress.com.

5.8 A book on Cases in Dialysis released

Prof. (Dr.) T.S. Ravikumar, Director cum Vice Chancellor, SVIMS University released a book titled “Cases in Dialysis” authored by Dr.V. Sivakumar, Sr.Prof., Dr.R.Ram, Professor and their teammates in the Dept. of Nephrology, SVIMS was released by the Director-cum-VC on 17.01.2019.



6. Research

SVIMS continues to contribute significantly towards basic, applied and clinical research. The faculty receive grants from national & international agencies as well as through SBAVP scheme. During this year, our faculty & students published 170 papers which is 46% higher over the previous year publications of 128. So far, the faculty & residents have published 1841 papers in reputed journals. Further, the postgraduates submitted 51 theses and 68 dissertation works.

6.1 Center for Advanced Research [CfAR]

CENTRE for ADVANCED RESEARCH (CfAR) is advanced diagnostic and research facility established at SVIMS. This is made possible by continuous efforts of the Director cum Vice Chancellor Dr T.S. Ravikumar who raised the required funds through donations. This facility spans 36,000 sq. ft. built as G + 3 floors with potential to add 2 more floors. The interior design of various departments and support services are near completion. The programs on each of the floors are designed in keeping with the cross cutting research themes and to launch path-breaking healthcare innovations. All essential core equipments are in various stages of being commissioned.

The CfAR building ground floor is dedicated to population health research, clinical trials infrastructure, data management centre, Biostatistics and Epidemiology. Work for creating a smart classroom in the ground floor has already commenced. The smart classroom will have all technologically advanced facilities for discussions and interactions with on field research team. The first floor is allocated for research projects under the theme “Infection, Inflammation and Immunity”. A part of the first floor is allocated for establishment of Biobank. The second floor is dedicated to Regenerative Medicine, Islet cell transplantation, stem cell biology, Biotechnology and Bioinformatics. Viral Research and Diagnostic Laboratory (VRDL) in the first floor is funded by ICMR.

New Scientists have joined the organization for research in Molecular Virology. The existing medical college level VRDL is approved to be upgraded to state level VRDL. The VRDL is offering free investigations for around 21 different common and rare viruses prevalent in the area. The lab has tested more than 27,000 patient samples for various acute and chronic viral infections across the state and from neighboring states. The lab also participates in outbreak investigations. Teams comprising experts from different medical fields visit outbreak sites to identify the causative agents and send the reports to the state as well as national health authorities. The lab helps in building national data required for development of various health schemes. VRDL is identified as one of the center for four national multicentric projects (2-completed and 2-ongoing). It conducts annual training on serological and molecular methods for detection of viruses. The 3rd hands - on training workshop on virus diagnostic methods was conducted on 28th & 29th December 2018.

7. Partnership & Collaborations

Collaborations & partnership have been established with several Global best during the last 3 years. In the year 2018, SVIMS signed MoUs with the following organizations:

7.1 Harvard Global Health Institute, Cambridge: To promote the exchange of ideas on joint research and other academic endeavors; facilitate the placement of UG & PG students from both institutions for field placement programs and further joint academic programs / initiatives; design and organize joint academic symposia, conferences, workshops, meetings and other activities. MoU was signed on 26.01.2018.

7.2 Kotii Group of Ventures (KGV (P) Ltd) : To develop real time actionable metrics for key performance Indicators in Quality and patient Experience of care on.02.02.2018. Real time patient experience of care portal went live in April,2018.



7.3 Maharashtra Resco Roof Top Solar (Pvt) Ltd: To develop green campus and to reduce carbon footprint percentage in and around SVIMS campus. MoU was executed on 27.03.2018

7.4 Lincoln University College, Malaysia: For exchange of students, faculty, researchers, collaborative research, conduct of community programmes, academic symposia. The collaborative agreement was entered on 26.05.2018.

7.5 Central Council for Research in Siddha (CCRS) : To meet the scope & mandate of Siddha Clinical Research Unit (SCRU) by CCRS in the establishment and operation of the SCRU at SVIMS Campus, Tirupati, Andhra Pradesh. MoU was executed on 17.10.2018.

This joint effort will enable integrated treatment in communicable and non communicable disease and lifestyle disorders in various specialities. The Hon'ble Minister for AYUSH, Govt. of India, Sri Shripad Yesso Naik inaugurated the SCRU on 16.01.2019.



7.6 Advanced Lung Clinic : Advanced Lung Clinic was inaugurated by Dr. Vaidehi Kaza from University of Texas, Dallas, USA on 23.07.2018. This clinic is intended to treat patients suffering from severe Chronic Obstructive Pulmonary Disease (COPD), Interstitial Lung Disease (ILD), severe uncontrolled bronchial asthma, bronchiectasis and pulmonary arterial hypertension (PAH).

8. Other New initiatives

8.1 Centers & Institute's of Excellence : Upon approval from statutory committees two centers of excellence are established:

a) Centre for Quality, Patient Safety & Leadership Academy:

It is envisaged to transform SVIMS into a “High Reliability Organization” and an “Accountable Health System”. Towards that path of transformation & global repute, the new director / Vice Chancellor Dr. T.S. Ravikumar, on behalf of the institute, has laid out a roadmap of value based health care. A major step towards this value proposition is emphasis on quality and patient safety as drivers of health system performance. To drive the performance, a programme of SVIMS Quality Council (SQC) has been commissioned for iterative self improvement. Cataloguing, reporting, analyzing and learning from errors has become the lynchpin for quality improvement in health care. Harvard Global Health Institute is the major collaborator for this center.

b) Institute for Lung disorders: With an eye on Lung transplantation, an advanced lung clinic has commenced in July 2018. Collaborations with University of Texas, South Western will enable achieving Global eminence for this institute of excellence.

8.2 Endowed Chair: In its Silver Jubilee year, SVIMS began the process of establishing upto three Endowed Chairs in the institute through targeted donations in the coming years. One such Endowed chair has been established: Chittur Viswanathan Parvathy Endowed Chair in Quality in Quality/Patient safety. Dr. T.S. Ravikumar, Director-cum-VC is the founding occupant of this prestigious Endowed Chair.

8.3 SVIMS Movement Disorders Programme: SVIMS made a major leap in establishing 'Deep Brain Stimulation' for Parkinson's Disease – only such program in the state of Andhra Pradesh.

A Destination Centre for DBS Deep brain stimulation is an established treatment for movement disorders, such as essential tremor, Parkinson's disease and dystonia, and more recently obsessive compulsive disorder. SVIMS Neurosciences programme launched holistic approach for movement disorders and DBS in July 2017. SVIMS Neurosciences program conducted First ever "Live workshop and symposium on DBS" in India, during 25-26, May 2018.



By October 2018, 25 Deep Brain Stimulation procedures were completed since the programme launch one year ago. Congratulations are owed to Dr BCM Prasad & Dr VV Ramesh Chandra of Neurosurgery, Dr T. Naveen of Neurology and the team of anesthesiology, nursing, physiotherapy & other staff.

9. SVIMS Real Time Patient Management Feedback: On World Patient Safety Day, 09-12-2018 SVIMS unveiled two programmes in its ongoing strategy to improve patient care. First, as one-of-a-kind initiative in India, the data on Real Time Patient Experience of Care from the last 06 months was uploaded in the quality domain of its website that is accessible to public. The second initiative was to start Patient Safety & Quality dashboard in each of the wards, to assess and reward performance. The Real time actionable patient experience of care feedback system is first of its kind to be implemented in hospitals in India.



Kiosks are installed in main areas of SVIMS to receive patient feedback. In addition, Domain specific QR code system for each department has been developed and posters with QR codes are placed in 29 places of SVIMS to enable the patients to scan the QR code and submit their feedback through their smart phones. Each and every feedback is closely monitored by a dedicated team and the feedbacks with 5 or below rating (scale of 1-10) are attended to immediately or within an hour. SVIMS technology partner Kotii Group has been instrumental in developing this system to achieve patient centered care.

9.1 High end ambulance donated to SVIMS:

Towards patient health, safety and health care quality, Sri. Sahpal Mehra, Smt. Rachna Mehra and family from New Delhi donated a high end ambulance worth of Rs.20 lacs to SVIMS. Sri. Sanjeev Mehra is the first donor of SVIMS and his family has been contributing for the development of SVIMS since 1993 and has donated more than Rs.1.58 cr. so far.



10. Welcome & Get on board the “Pink Bus”

A brain child of Dr T.S.Ravikumar, Director-cum-VC, SVIMS, this novel “Women’s Cancer Initiative for Rayalaseema” for bundled screening for cancer & other NCD’s in Women was successfully launched on 28th December 2018. The Pink Bus has mobile mammography; PAP smear for cervix cancer screening; oral exam & general physical exam facility.



Globally, “Triple Aim’ of healthcare is: better care for the individual, better health of the population and at affordable sustainable cost. Pink Bus will operate in this Triple Aim framework to improve access for women to quality health care at community level, linking Hub-to-Hut.

Our focus is on women with disparities: socioeconomic, geographic, literacy & physical. Our goal, to start with, is to improve the outcomes of three common cancers in women (breast, cervix, head & neck) using prevention, screening, early diagnosis, multidisciplinary care & palliative care approaches.

11. Mitigation of Cardiac Burden: Our department of cardiology is a flagship programme of the region in performing angioplasties & other high end complex interventional procedures. Under the leadership of Prof. D. Rajasekhar, it achieved a milestone of 10,000 angioplasties in 2016 and the number in 2018 is about 13,000. This is the largest in public sector and reported the highest number of primary angioplasties in public sector (2500) in India.

12. Cardio Pulmonary Resuscitation (CPR) Program

SVIMS is planning to train all the citizens of Chittoor District in CPR in order to make the district “CPR Smart”. The goal is to make every citizen in the District to be a first responder, competent to provide CPR during the first few “Platinum Minutes” until professional medical care arrives and the care is rendered within the “Golden Hour” at the hospital setting. SVIMS has earlier trained 1500 police men in CPR who are one of the first responders during emergencies and is now ready to equip all the first responders of the district with CPR training. This essential knowledge helps people to act effectively and efficiently during emergencies which in turn reduces the number of deaths. “This is true in the case of Denmark” says the SVIMS Director-cum-VC Dr. T.S. Ravikumar. SVIMS mission of “Making a community of Life savers” is supported by Laerdal medical company which has come forward to provide 225 community CPR manikins as part of Corporate Social Responsibility. Prof. T.S. Ravikumar will spearhead this effort with the support of District Collector, Sri P.S. Pradyumna, IAS.

Government of Andhra Pradesh organized one day workshop, 'Gnana Bheri' on Global Competitiveness for the first time in Sri Venkateswara University's Tarakarama Stadium on 04.08.2018. More than 15,000 students from different universities in Andhra Pradesh attended the interactive programme. SVIMS students received award for their presentation of community CPR & Tobacco cessation.



Students of SVIMS received award from the Hon'ble Chief Minister of A.P. during Gnanaberi programme

SVIMS launched the district wide Community CPR program on World Heart Day. The CPR process was explained with a video to all the students during the World Heart Day launch. A demo was also given prior to training. Chittoor Collector, Sri. P.S. Pradyumna and Municipal Commissioner, Tirupati, Sri. V. Vijayaramaraju practiced CPR on stage with Dr T.S. Ravikumar, inspiring the students to learn the life saving technique.

So far, about 36 programmes were conducted and 43,597 include High school, Engineering students, Teachers, Police and Govt. employees were trained in CPR programme.

Aadithya Hridayam: Following up on the success of Gnana Bheri, the program is organized in two phases, first being the 'Train the Trainers' program that took place during 8th & 9th November, 2018 where in teachers, Anganwadi workers, NCC cadets and Primary Health Care workers of Palamaner and Kuppam, received training in CPR. From 12th -14th November, 2018 SVIMS CPR trainers conducted programmes in Sanambatla, Chandragiri Mandal, Molakalacheruvu and 17 schools in Tirupati and trained in CPR programme in November and December. The positive response received from the population in these places has energized SVIMS CPR trainers to take up CPR sessions in other parts of Chittoor and make it the 'First CPR Smart District' in the country



Tirupati Commissioner, Chittoor District Collector & SVIMS Director-cum-VC performing CPR Demo during World Heart Day Launch September 29th, 2018

13. Ongoing infrastructure projects

The following projects are in progress in SVIMS campus and all the projects are expected to be completed soon....

Projects with TTD/ SVIMS Funds			Projects with GOAP Funds	
S. No	Projects/Buildings	Project Cost (in Lakhs)	Projects/Buildings related to SPMC(W)	Project Cost (in Lakhs)
1	Ultra sound & Mamography DSA lab in 1st Floor in front of MRI Building	70.50	Additional 4 Floors on E & F blocks, Mortuary building and internees Hostel at SPMCW Hospital	2610.00
2	Construction of CfAR – Molecular Biology Research lab	666.00	Play Ground and CC roads	100.00

3	3rd floor over the existing OPD Block	625.00	Modular OTs	4800.00
4	Construction of additional quarters for P.G Resident Doctors	633.00	VRV system (Centralized A.C)	310.00
5	Construction of Indoor 33/11kv substation	45.00	Hostel 2nd phase for 576 students	1800.00
6	Construction of Generator room extension	25.00	Nurses quarters	705.00
7	Construction of pump room	5.50	Teaching staff accommodation	960.00
8	Improvements to Surgical Oncology block	30.00	Non – Teaching staff accommodation	966.00
9			Sports complex (Indoor stadium)	235.00

During the last 3 years alone (2015-2018) SVIMS created over 13 lakh sq.ft. of built infrastructure compared with facilities during the prior 22 years of about 8 lakh sq.ft (162% growth)

14. Philanthropy: Through Sri Balaji Arogya Varaprasadini Scheme, SVIMS generated donations for research of Rs.147 crores during the last 3 years, compared with Rs.125 crores during the preceding 22 years since inception (118%).

With donations of Rs.22 crores in the last two years alone, and more in the preceding years, Ms. Vital Laboratories Pvt. Ltd, Mumbai deserve our sincere gratitude for being SVIMS largest donor. We thank Sri Rajiv Sri Gopal Bajaj and family for their generosity and kindness to SVIMS.



Sri Rajiv Shri Bajaj, Director of M/s Vital Laboratories Pvt. Ltd. seen with his wife and speaking in the CfAR inauguration programme



II SVIMS IN NEWS





Hon'ble Chief Minister Sri Nara Chandrababu Naidu garu participated in the Jnanabheri Programme conducted at Tirupati on 04.08.2018 and lauded the best services of Dr. T.S. Ravikumar, Director cum Vice Chancellor for the development of SVIMS University. Hon'ble C.M. presented Certificates & Jnanabheri Awards to the students participated in the CPR programme.

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SVIMS

SVIMS Vice-Chancellor on HTAIn Board

EXPRESS NEWS SERVICE @ Tirupati

PROF TS Ravikumar, Director-cum-Vice-Chancellor of Sri Venkateswara Institute of Medical Sciences (SVIMS), has been appointed member of Technology Assessment in India (HTAIn).

SVIMS Faculty Council president V Suresh and secretary Ranadheer Gupta Mantri on Thursday congratulated the SVIMS Vice-Chancellor on getting appointed as member of the apex board, which aims at provision of 'Quality Healthcare at Affordable Cost' to people. The Government of India set up the HTA in the Department of Health Research (DHR), which studies the cost-effectiveness, clinical-effectiveness and safety of medicines and devices and health programmes. It also evaluates appropriateness and cost-effectiveness of the available and new health technologies in India, so that maximum people can have access to quality healthcare at minimum cost. The term of office of Prof Ravikumar in the 15-member HTA Board is three years.



అపెక్స్ బోర్డు సభ్యుడుగా స్విమ్స్ డైరెక్టర్ రవికుమార్



స్విమ్స్ డైరెక్టర్ను అధికారిస్తున్న దృశ్యం

తిరుపతి హెల్త్, ఫిట్నెస్ కి
(ప్రకృతి స్వాస్థ్యం)

స్విమ్స్ డైరెక్టర్ రవికుమార్
చారిత్రాత్మక ప్రభుత్వం
ఆధ్వర్యంలో
నిర్వహించబడుతున్న హెల్త్
టిక్కెట్లతో ఆసిన్మెంట్
జన్ ఇండియా సభ్యుడుగా
నియమించబడ్డారు.
దేశంలోని పేద ప్రజలకు,
సమర్థవంతమైన
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వైద్యసేవలందించడానికి
హెల్త్ టిక్కెట్లతో ఆసిన్మెంట్

ఇండియా సంస్థ కృషి చేస్తున్నది. అంతేకాకుండా అయిన్ఫోలో పరిశోధనా
విభాగం వారు తక్కువ ఖర్చుతో నాణ్యమైన వైద్యసేవలందించడానికి సమగ్ర
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ప్రణాళికలు సిద్ధంచేసి ప్రజలకు నాణ్యమైన వైద్యసేవలందించడానికి కృషి
చేస్తున్న దేశంలోని అత్యున్నత సంస్థ అయిన అపెక్స్ బోర్డు సభ్యులుగా స్విమ్స్
డైరెక్టర్ రవికుమార్ను నియమించడం పట్ల స్విమ్స్ డాక్టర్లు, ఉద్యోగులు,
సిబ్బంది ఆధునికనలు రెలియతారు.

SVIMS NEWS



Training in life-saving skills held

- SVIMS organises free CPR training with mannequins at Mahesh Auditorium
- CPR useful to keep the victim alive for the first 5-6 minutes till the ambulance arrives

CHIN HUBBARI

Tirupathi: Making the mortal citizens aware of saving a life in case of emergency, Sri Venkateswara Institute of Medical Sciences (SVIMS) took up a free training programme on Cardiopulmonary Resuscitation (CPR) with mannequins at Mahesh Auditorium here on Monday. It was the goal of SVIMS to make citizens of Tirupathi CPR aware and working on it since November 2017. So far, the SVIMS has trained more than 10,000 people and the immediate target is to train another 25,000.

The team of doctors, nurses and other staff participated in the programme to impart training to those interested. Director-cum-Vice-Chancellor of SVIMS Dr. TB Radhakrishna has first demonstrated the procedure of CPR, which was also visually presented by a doctor through powerpoint presentation, Basic Life Support (BLS) should be known as CPR which saves the life for a few minutes till the ambulance arrives in. Under the person first the victim should be taken to



Nursing staff of SVIMS imparting training on CPR to residents on mannequins in Tirupathi on Monday

safer place and pulse for the carotid arteries should be checked along with breath for 5-10 seconds. In the absence of pulse and breath, one has to give the victim chest compressions by ensuring proper position, depth and volume of pressure.

Compressions have to be given at centre of chest, lower half of

riplets with wrists, elbows and shoulders at a straight line. The two hands should be interlocked and push hard with a depth of 5-6 cm at the said place to give 30 compressions followed by two breaths alternately per minute.

Immediately after that, the forehead has to be stretched up-ward, close the mouth and pull

mouth of victim to give two breaths through mouth. Again, the compressions and breath process have to be repeated till the ambulance comes in or he becomes at right. Radhakrishna said, brain will not survive without blood supply for 5-6 minutes. So, during the crucial period one has to save the victim with compressions and breaths.

మహాత్మా ఆదిత్య రియంట్ స్పెష్లి ఆధ్వర్యంలో 'సేప్ ఆర్'

• 25వేల మందికి శిక్షణ ఇస్తాం • డాక్టర్ డీపిక రమకమార్ వెల్లడి

తిరుపతి, ఏప్రిల్ 25: ప్రజా మేల్ కల్పిస్తూ శాశ్వతమైన ప్రాథమికా శిక్షణకు ప్రాథమిక వైద్యుల పాత్ర పెరిగింది. శిక్షణ పొందిన వైద్యులు మహాత్మా ఆదిత్య రియంట్ స్పెష్లి వారి సేప్ ఆర్ పై శిక్షణ పొందిన వైద్యులకు శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు. ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు. ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు.



ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు. ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు.

ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు. ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు. ప్రతిరోజు 25వేల మందికి శిక్షణ ఇస్తామని డాక్టర్ డీపిక రమకమార్ వెల్లడించారు.

SVIMS unveils two new initiatives at silver jubilee fete

To collaborate with reputed U.S. medical institutions

STAFF REPORTER

Tirupathi: Sri Venkateswara Institute of Medical Sciences (SVIMS) will be teaming up with Harvard Medical School, USA for the establishment of the Centre for Patient Safety, Healthcare Quality and Leadership Academy and with the University of Texas Southwestern Medical Centre, Dallas, and Mount Sinai Medical Centre, New York to enhance its pulmonary and critical care services. This is in addition to the plans for bringing lung transplantation as one of the key components of the Multisystem Transplant Programme.

These two programmes/ collaborations were unveiled during the silver jubilee celebrations of SVIMS at the Mahesh Auditorium here on Monday.

Health Minister Kamaladevi Srinivas, the chief guest of



Health Minister Kamaladevi Srinivas, the chief guest of the event, unveiling the vision and contributions of SVIMS, said it was the

event, unveiling the vision and contributions of SVIMS, said it was the

evolved into one of the premier medical centres. He lauded the efforts of the past management of SVIMS for the transformation and urged the medical students to work with commitment towards their professions.

Ambitions roadmap

SVIMS Director-cum-Vice Chancellor Dr. TB Radhakrishna outlined the roadmap for the next decade, particularly the action plan to develop institutes of excellence across 10 branches. In the past ten years, SVIMS had created over 12 lakh square feet of infrastructure, he said.

CPR training

Earlier he said

SVIMS NEWS



SVIMS gives new life to 25 Parkinson's patients

Deep Brain Stimulator surgeries conducted under the Pranadanam scheme, 1 in every 1,000 people affected by the disease

EXPRESS NEWS SERVICE 8/10/2017

SVIMS conducted 25 Deep Brain Stimulator (DBS) surgeries for Parkinson's patients at a cost of ₹1 lakh per patient, says Vice-Chancellor, T.S. Raghunath, on Friday. He said that the operations were conducted under the Pranadanam scheme, which provides ₹1.2 lakh per patient from the TTD's Prasad Fund.

The Vice-Chancellor said that the original deep brain stimulator was invented in 1937 by Dr. Henry Keith, a neurosurgeon. It was a highly advanced device, which cost ₹10,000 in 1937. Today, it costs ₹1.2 lakh. The device is used to treat Parkinson's disease, which is a chronic neurological disorder. It affects the brain, leading to tremors, stiffness, and slow movements.

Addressing the media, he said that the DBS surgery is a life-changing procedure for Parkinson's patients. It helps them to move freely and without tremors. The surgery is done under general anesthesia and takes about 4-6 hours.

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A Parkinson's patient, who underwent DBS, with the vice-chancellor of the hospital, T.S. Raghunath, and other doctors.

Healthcare monitoring goes hi-tech at SVIMS

EXPRESS NEWS SERVICE 8/10/2017

SVIMS has introduced a new hi-tech healthcare monitoring system for its patients. The system is called 'Healthcare Monitoring System' and it is used to monitor the health of patients who are undergoing treatment at the hospital.

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Parkinson's: SVIMS helps poor patients with DBS

Surgery being done at reasonable price, says V-C

SPECIAL CORRESPONDENT

Deep Brain Stimulation (DBS), a path-breaking procedure for Parkinson's disease, has proved to be successful at Sri Venkateswara Institute of Medical Sciences (SVIMS) hospital.

Parkinson's disease normally affects one in 1,000 persons and happens mostly after 50 years of age. It is a chronic disease, which means it cannot be cured. It causes tremors, stiffness, and slow movements.

The super-specialty hospital has performed 25 such surgeries in the recent past and all the patients are on the path to recovery. There are only a few institutes across India that are capable of performing this surgery, which also comes at a prohibitive cost of nearly ₹20 lakh. "At the TTD-run insti-



SVIMS Director and Vice-Chancellor T.S. Raghunath interacting with a Parkinson's patient on Tuesday on Friday.

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with drugs, if the patient gets the right guidance and medication from the specialist," S. Yengamra, SVIMS former director and a professor of neurology said. Dean R.C.M. Prasad and neurosurgeon Raghunath Chandra and Neeraj said the hospital, equipped with the required infrastructure, was always ready to treat more patients if the state government or the TTD came forward to meet the demand.

స్వీమ్స్ లో న్యూరో శస్త్ర చికిత్సలు విజయవంతం

- 25 మంది పేదలకు డబ్ల్యు
- స్వీమ్స్ లో న్యూరో శస్త్ర చికిత్సలు విజయవంతం



SVIMS (స్వీమ్స్) లో న్యూరో శస్త్ర చికిత్సలు విజయవంతం. 25 మంది పేదలకు డబ్ల్యు శస్త్ర చికిత్సలు చేయబడ్డాయి. ఈ సందర్భంగా స్వీమ్స్ లో న్యూరో శస్త్ర చికిత్సలు విజయవంతం.

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SVIMS NEWS



ఎయిమ్స్ అధ్యక్షుడిగా స్విమ్స్ డైరెక్టర్ నియామకం



డాక్టర్ టీఎస్.రవికుమార్‌ను శాలువతో సత్కరిస్తున్న వైద్యులు

తిరుపతి (అలిపిరి) : గుంటూరు జిల్లా మంగళగిరిలోని...అలిపిరియా ఇన్‌స్టిట్యూట్ ఆఫ్ సైన్సెస్ (ఎయిమ్స్) అధ్యక్షుడిగా స్విమ్స్ డైరెక్టర్ డాక్టర్ టీఎస్.రవికుమార్ నియమితులయ్యారు. ఈ మేరకు ఆయన శుక్రవారం బాధ్యతలు స్వీకరించారు. ఐదేళ్ల పాటు అధ్యక్షుడిగా కొనసాగిన వైద్యులు ఎయిమ్స్‌కు ప్రత్యేకాధికారిగా పనిచేసిన

ఆయన తనవంతు సహకారం అందించారు. ఆయన చేసిన అభివృద్ధికి మెచ్చిన ఆరోగ్య, కుటుంబ సంక్షేమ మంత్రిత్వ శాఖ ఎయిమ్స్‌కు అధ్యక్షుడిగా నియమించింది. రవికుమార్ నియామకం పట్ల స్విమ్స్ వైద్యులు ఆధిపత్యం తెలిపారు. స్విమ్స్‌లో జరిగిన ఆధిపత్యం సభలో వైద్యులు ఆయన్ను సత్కరించారు.

మంగళగిరి ఎయిమ్స్ అధ్యక్షుడిగా రవికుమార్

విజయవాడ/తిరుపతి, నవంబరు 2(ఆంధ్రజ్యోతి): ఆఖరి బారత వైద్య విజ్ఞాన సంస్థ(మంగళగిరి) అధ్యక్షునిగా ప్రొఫెసర్ డాక్టర్ టీఎస్ రవికుమార్ నియమితులయ్యారు. వైద్య రంగంలో విశేష అనుభవం ఉన్న ప్రొఫెసర్ రవికుమార్‌ను మంగళగిరి ఎయిమ్స్‌కు అధ్యక్షునిగా నియమించి నట్టు కేంద్ర ఆరోగ్య, కుటుంబ సంక్షేమ మంత్రిత్వశాఖ ప్రకటించింది. కేంద్ర మంత్రి టేపీ నద్దా ఆమోదం కూడా అందించడంతో ఎయిమ్స్(మంగళగిరి) అధ్యక్షునిగా రవికుమార్ శుక్రవారం బాధ్యతలు స్వీకరించారు.



SVIMS NEWS



Will develop SVIMS on par with AIIMS: Farooq



Minister N. Chandrababu Naidu presenting a memento to Prof. AN Gopalan, Vice-Chancellor of SVIMS, during the inauguration of the institute.

Minister N. Chandrababu Naidu has announced that he will develop SVIMS on par with AIIMS. He said that the institute will be a model for other medical colleges in the state.

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Minister all praise for SVIMS

Ninth convocation of the institute held



Minister N. Chandrababu Naidu presenting a memento to a graduate at the convocation of SVIMS in Tirupati on Saturday.

SPECIAL CORRESPONDENT

Health Minister N. Chandrababu Naidu said that he will develop SVIMS on par with AIIMS. He said that the institute will be a model for other medical colleges in the state.

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Focus on public health issues, medical grads told



Medical graduates receiving a memento.

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సేవాభావంతో వైద్య సేవలు అందించండి

• వైద్య సిబ్బందిని ప్రజల సేవ కోసం ఉపయోగించండి •

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SVIMS NEWS



SVIMS Director Presents memento Governor

By our Staff Reporter
Tirupati, Dec. 14
Hon'ble Governor of
Telangana Shri. N. Chandrababu Naidu
Pradesh, Shri. E.S.L.
Narasimhan granted time for meeting of
SVIMS Director cum Vice
Chancellor Dr. T. S.
Ravikumar at Raj Bhavan
today. Dr. Ravikumar pre-
sented the memento to the
Governor, a memento that
was made during the occa-
sion of inauguration of
SIPMCW hospital, by the
President of India on 1st
September, 2017 which
was pending for a long
while. During the brief
meeting, Hon'ble
Governor discussed about



the functioning of institute
with Dr. Ravikumar and
congratulated all con-

cerned on SVIMS
progress. SVIMS Director
accorded invitation to

Governor during 2019, on
an occasion befitting his
status.

గవర్నర్ను కలిసిన స్వీమ్మ డైరెక్టర్



గవర్నర్ను మొమెంటోను
బహుళకరిస్తున్న స్వీమ్మ డైరెక్టర్

తిరుపతి (ఆర్.పి.సి): ఉమ్మడి రాష్ట్రం గవర్నర్ శ్రీ చంద్రబాబునాయుడు స్వీమ్మ డైరెక్టర్ డాక్టర్ టి.ఎస్. రవికుమార్ కుటుంబం పైద రాజ్ భవన్లో మర్యాద పూర్వకంగా కలిశారు. 2017లో శ్రీ చంద్రబాబునాయుడు కళాకాల ఉత్సాహ ప్రారంభ సమయంలో రాష్ట్రపతి రాజ్ భవన్ కోవిండ్ గవర్నర్ పరమేస్వరను తీసుకుపోయారు. మొమెంటోను బహుళకరించారు. స్వీమ్మ, శ్రీచంద్రబాబునాయుడు కళాకాలం అభివృద్ధిని ఈ సందర్భంగా గవర్నర్ కు వివరించారు.

గవర్నర్ నరసింహన్ ను కలిసిన స్వీమ్మ డైరెక్టర్



గవర్నర్ను కలిసిన స్వీమ్మ
డైరెక్టర్ రవికుమార్

తిరుపతి హైల్డ్
డిసెంబర్ 14 (ప్రభ
మ్యాగ్): శ్రీ
చంద్రబాబునాయుడు
స్వీమ్మ
డి.ఎస్. రవికుమార్
అండ్ ప్రైవేట్,
తెలంగాణ రాష్ట్రం
గవర్నర్
పరమేస్వరను
కుటుంబం
పైద రాజ్ భవన్లో
రాజ్ భవన్లో
మర్యాదపూర్వకంగా
కలిశారు. ఈ

సందర్భంగా ఆయన మాట్లాడుతూ గవర్నర్ పరమేస్వరను తీసుకుపోయి స్వీమ్మ-చంద్రబాబునాయుడు కళాకాల ప్రారంభోత్సవ కార్యక్రమంలో భాగంగా రాష్ట్రపతి శ్రీ రామకృష్ణావేంకటేశ్వర స్వామి పార్క్లో పోలీసు బహుళకరించారు. ఆయన తెలిపారు. ఈ సందర్భంగా స్వీమ్మ అమ్మటి చంద్రబాబునాయుడు స్వీమ్మ డైరెక్టర్ ప్రత్యేకంగా ఆడిగి తెలుసుకుని సంతోషిస్తూ వ్యక్తం చేశారు. డాక్టర్ రవికుమార్ తెలిపారు. సెప్టెంబర్లో భారత రాష్ట్రపతి పార్క్లో పోలీసు గవర్నర్ కు బహుళకరించారు.

SVIMS NEWS



Bus launched for cancer screening

- The aim is to convert the present death rate to survival rate
- In India, 3.73 lakh women die of cancer every year out of 5.87 lakh patients
- Initially, the bus covers 15-2 lakh population at Mangalam and five other villages

Chitra Bhaskar

Tirupathi: With a long-term goal of reducing cancer burden among women, SVIMS has launched a mobile bus screening unit on Friday (25/2/25) through P. B. S. Bus Service. The bus will be used to screen women for breast cancer and cervical cancer. The bus will be used to screen women for breast cancer and cervical cancer. The bus will be used to screen women for breast cancer and cervical cancer.

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మహిళల్లో కేన్సర్ చికిత్సకు స్వమ్స్ చేయూత

కేన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం కేన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం కేన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం కేన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది.

- స్వమ్స్ కేన్సర్ చికిత్సకు చేయూత
- స్వమ్స్ కేన్సర్ చికిత్సకు చేయూత
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క్యాన్సర్ పై సమరానికి పింక్ బస్

క్యాన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం క్యాన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం క్యాన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది. ప్రస్తుతం క్యాన్సర్ వ్యాధి భారతీయ మహిళలలో ప్రధాన కారణంగా ఉంది.

- స్వమ్స్ కేన్సర్ చికిత్సకు చేయూత
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SVIMS NEWS





III ACADEMIC ACTIVITIES



III 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 state 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 36 super/broad speciality medical departments, three colleges and two inter-disciplinary departments and is developing into a centre of excellence for 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 those related to super-specialities.

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

At present, the institute is offering 68 academic programmes. The total student's strength in the campus is 1986.

1.1 Courses offered

Faculty	Courses	No. of seats	Duration (Yrs)
Modern Medicine	MBBS	150	5 ½
	Broad-specialties		
	MD-Medicine	9	
	- Pathology	2	
	- Biochemistry	1	
	- Microbiology	1	3
	- Anaesthesiology	9	
	- Transfusion Medicine	1	
	- Radiotherapy	3	
	- Radio diagnosis	7	
	- Nuclear Medicine	2	
	- Emergency Medicine	2	
	Super-specialties		
	DM-Cardiology	4	
	- Nephrology	2	
	- Endocrinology	2	
	- Medical Oncology	2	
	- Neurology	3	
	MCh- Cardiothoracic Surgery	4	3
	- Neurosurgery	3	
	- Urology	4	
	- Surgical Oncology	2	
	- Surgical Gastroenterology	1	
	Fellowship Certificate Courses		1
	- Nephrology	1	
	- Endocrinology	1	
	- CT Surgery	1	
	- Surgical Gastroenterology	3	
	- Head & Neck Oncology	1	

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	Anaesthesiology -sub specialities - Cardiac Anaesthesia - Neuro Anaesthesia - Critical Care	2 2 2	
	N.C Gupta Pulmonary Fellow	1	6 months
	Certificate Courses for Medical Graduates - Emergency Medicine - Basics of Dialysis Management	4 2	1
PhD	PhD Programmes in Anatomy, Anaesthesiology, Biochemistry, Biotechnology, Bioinformatics, Cardiology, Cardiothoracic Surgery, Medicine, Endocrinology, Microbiology, Neurology, Neurosurgery, Nursing, Physiology, Surgical Oncology	No. of seats depends upon the availability of vacancies	03-May
Basic Medical Sciences	Postgraduate courses - MSc (Medical) in - Anatomy - Physiology - Microbiology - Biochemistry	2 2 3 3	3
Nursing	BSc Nursing MSc Nursing Post Basic Diploma in Nursing - Cardiac Intensive Care and Catheterization Laboratory Nursing - Cardiothoracic Surgery - Peritoneal Dialysis - Hemo Dialysis - Renal Transplantation	100 30 5 5 2 2 2	4 2 1
Physiotherapy	BPT MPT	50 15	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) PG Degree (MSc) - Echocardiography - Cardiac Catheterization Intervention Technology - Dialysis Technology PG Diploma - Medical Records Science Diploma - Radiotherapy Technology (DRT)	20 12 2 9 6 2 8 2 4 1 1 2 8 4	 4 2
Life Sciences	MSc - Biotechnology - Bioinformatics	15 15	2

1.2 SVIMS, Sri Padmavathi Medical College for Women

SVIMS Sri Padmavathi Medical College for Women was started in the year 2014 completed four successful years and now in the 5th year with an intake of 150 students each year. The college is one of the reputed institutions in Andhra Pradesh with good teaching faculty, infrastructure to impart teaching and training to the students. The college building was formally inaugurated by the Hon'ble Chief Minister of Andhra Pradesh on 16.12.2016.

The Renewal of permission dated 31.05.2018 for admission of 5th Batch of 150 intake in MBBS Course for the academic year 2018-19 was granted by MCI u/s 10A of IMC Act, 1956.

Sri Padmavathi Medical College Hospital

The newly constructed Sri Padmavathi Medical College hospital developed by APMSIDC with an estimated cost of Rs.98.86 crores with 650 bed strength was inaugurated by the Hon'ble President of India, Sri Ram Nath Kovind on 01.10.2017.

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

Girls Hostel

The newly constructed MBBS girl's hostel constructed with an amount of 16.4 crores was inaugurated by Hon'ble Vice-President of India, Sri M. Venkaiah Naidu on 07.08.2017. It has 144 rooms (72 rooms single occupancy and 72 rooms triple occupancy) with supporting facilities.

College Council

The College Council was constituted comprising the Heads of the Departments, Personnal Manager, Controller of Examinations, Physical Director as members and Principal as Chairperson. The objectives of the College Council is to draw up the details of curriculum and training programme, enforcement of discipline, other academic matters and welfare of the students. The Council is planned to organize interdepartmental meetings like Grand Rounds, Statistical Meetings and Clinico Pathological Meetings, Periodical Research Review in the Institution regularly.

The College Council meetings for the year 2018 were held on the following dates with regard to the following

subjects: 21st March 2018 - MCI requirements; 5th May 2018 - Faculty deficit; 13th July 2018 - Student related subjects; and on 17th September 2018 - Student timetables and examinations.

Pharmaco Vigilance Committee

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

Committee members

1.	Principal	- Chairman
2.	Medical Superintendent	- Member
3.	Prof. & HoD of Pharmacology	- Co-ordinator
4.	Dr. B. Siddhartha Kumar, Professor of Medicine	- Member
5.	Dr. Y. Mutheeswaraiiah, Professor & HoD Surgery	- Member
6.	Dr. P. Padmavathi, Professor & HoD of Pediatrics	- Member
7.	Dr. K.R. Subhash, Assoc. Prof. of Pharmacology	- Member
8.	Dr. K Vijaya Chandra Reddy, Asst. Prof. of Pharmacology	- Member
9.	Dr. A Surekha, Asst. Prof. of Dermatology	- Member
10.	Smt. C. Suneetha, Nursing Superintendent Gr. I	- Member

Anti ragging Committee:

The Anti Ragging Committee was constituted as per guidelines of Supreme Court of India, MCI and UGC norms. The Committee members are:

S. No.	Name of the Officers/ Faculty	Design.
1.	Principal deansvimsspmc@gmail.com	Chairman
2.	Prof., & HoD of Pharmacology	Co-ordinator
3.	Vice-Principal (Clinical)	Member
4.	Vice-Principal (Pre-Clinical)	Member
5.	Prof. & HoD of Anatomy	Member
6.	Prof. & HoD of Forensic Medicine	Member
7.	Ms.Allu Pallavi, 3 rd MBBS	Member
8.	Ms. V. Indu Sree, 3 rd MBBS	Member
9.	Ms. T. Pooja Sree, 2 nd MBBS	Member
10.	Ms. R. Ikita Mansi Reddy, 1 st MBBS	Member

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The above committee conducted awareness programme by inviting external members as mentioned below and guided the students on prevention of ragging for 2017-18 and 2018-19 batch students on 31.10.2018.

1. Sri. M. Muniramaiah, DSP
2. Smt. M. Subhashini – Advocate
3. Dr. N.B. Sudhakar Reddy – Psychologist

Anti Ragging Committee as Per UGC

Committee	Faculty	Incharges & Members
Help Desk	1. Dr. K. Bhaskar Reddy, Prof. & HoD of Forensic Medicine	Incharge
	2. Mr. L. Sateesh, Assistant Director	Member
	3. Mr. K. Bhupal, Superintendent,	Member
Anti Ragging Squad	1. Dr. Sharan B. Singh, Prof. & HoD of Physiology	Incharge
	2. N. Sharvani, Assoc. Prof. of Physiology	Member
	3. B. Vijaya Bhaskar, Security Officer	Member
Monitoring Committee of Anti Ragging	1. Dr. K. Umamaheswara Rao, Prof. & HoD of Pharmacology	Incharge
	2. Dr. Arpana Bhide, Asst. Prof. of Physiology	Member
	3. Dr. K. Prathibha, Asst. Prof. of Anatomy	Member
Anti ragging Cell	1. Dr. K. Nagaraj Prof. & HoD of Community Medicine	Incharge
	2. Dr. Anju D. Ade, Assoc. Prof. of Community Medicine	Member
	3. Dr. Suchithra, Assoc. Prof. of Biochemistry	Member
Emergency Call unit	1. Dr. M. Hanumantha Rao, Principal	Incharge
	2. Alladi Mohan, Vice-principal (Clinical)	Member
	3. Dr. Aparna R. Bitla, Vice-principal (Pre-clinical)	Member

Institutional Animal Ethics Committee

The Animal House Facility of the Institute has been registered with CPCSEA for Research for education purpose on small animal, bearing registration number 2036/GO/Re/S/18/CPCSEA. The registration is valid for five years from 28.09.2018 to 27.09.2023.

The members of the Institute Animal Ethics Committee are:

S.No	Name	Designation
1.	Dr . M Hanumantha Rao	Scientist from different discipline (Chairperson)
2.	Dr . K.R. Subhash	Biological Scientist (Member Secretary)
3.	Dr . K Umamaheswara Rao	Scientist from different discipline(NA)
4.	Dr PVGK Sarma	Scientist Incharge of Animal House Facility(NA)
5.	Dr . R.V Suresh Kumar	Veterinarian(NA)
6.	Prof. K. Sathyavelu Reddy	Main Nominee of CPCSEA
7.	Prof. R. Nagaraju	Link Nominee of CPCSEA
8.	Dr . Santhrani Thakur	Scientist from outside of the Institute
9.	Prof. Y .V . Rami Reddy	Socially aware Nominee

Sri Venkateswara Institute of Medical Sciences

Curriculum committee

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

S. No	Name of the Officers / Faculty	Designation
01.	Dr. M. Hanumantha Rao	Principal
02.	Dr. V. Subhadra Devi	Prof. (Pre-clinical), Department of Anatomy
03.	Dr. D.S. Sujith Kumar	Assoc.Prof. (Para-clinical)Dept. of Community Medicine
04.	Dr. Alladi Mohan	Prof. (Medical Specialty), Dept. of Medicine
05.	Dr. R. Arun	Assoc. Prof. (Medical Specialty) Dept. of IHBT
06.	Dr. Y. Mutheeswaraiiah	Prof. (Surgical Specialty), Dept. of General Surgery
07.	Dr. B. Sreehari Rao	MEU Coordinator of the College- Prof., Dept. of General Surgery
08.	Dr. Sharan B. Singh M.	Prof., Dept. of Physiology
09.	Dr. Aparna R. Bitla	Prof. of Bio-chemistry
10.	Dr. Arpana Bhide	Asst. Prof. of Physiology
11.	Ms. Owk Esther	7 th semester MBBS
12.	Ms. K. Yamuna	5 th semester MBBS
13.	Ms. S. Akhila	3 rd semester, MBBS

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

Medical education unit

The Medical Education unit is constituted with the following members:

Advisors:

1. Director cum VC
2. Dean, SVIMS
3. Professor & HoD of Anatomy

Members:

- | | |
|--|----------------|
| 1. Principal | - Chairman |
| 2. Dr. B. Srihari Rao,
Prof. of General Surgery | - Co-ordinator |
| 3. Dr. Alladi Mohan,
Vice-Principal (Clinical) | - Convener |
| Dr. Sharan B. Singh. M,
Prof. & HoD of Physiology | - Member |

- | | |
|--|----------|
| 4. Dr. K. Umamaheswara Rao,
Prof. & HoD of Pharmacology | - Member |
| 5. Dr. Amith Kumar Chowhan,
Assoc. Prof. of Pathology | - Member |
| 6. Dr. R. Arun, Assoc. Prof. of IHBT | - Member |
| 7. Dr. Silpa Kadiyala,
Asst. Prof. of Radio Diagnosis | - Member |
| 8. Dr. Arpana Bhide,
Asst. Prof. of Physiology | - Member |
| 9. Dr. D.S. Sujith Kumar,
Asst. Prof. of Comm. Medicine | - Member |

The Medical Education Unit activities for the year 2018 were as follows:

1. The Horizontal Integrated Teaching Programme for 1st MBBS (2017-18 batch) was held on 27-01-2018, 10-02-2018, 10-03-2018, 07-04-2018.
2. The Vertical Integrated Teaching Programme for 2014-15 and 2015-16 was held on 12-05-2018, 21-07-2018, 25-08-2018, 29-09-2018.
3. The Vertical Integrated Teaching Programme for 2015-16 and 2016-17 was held on 23-06-2018.
4. The Orientation Programme for 1st MBBS Course 2018-19 batch was held on 27-08-2019

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Student Awards and achievements

1. 2014-15 batch of MBBS students namely Haripriya S, Harshitha K, M.D. Nageswari, Harshitha Reddy K, Gouri D **presented a paper** on 'A study to assess the prevalence of premenstrual syndrome and premenstrual dysphoric disorder and various coping strategies used by students in a women's medical college from South India' under the guidance of Dr. Sivanandh. B, Dept. of Psychiatry published in International Journal of Contemporary Medical Research (IJCMR).
2. 2014-15 batch of MBBS students namely Potru Naga Lakshmi Prasanna, Sai Keerthi M and Ch Krishnavalli won the **first prize** at the IAPSM-World Health Day Quiz 2018 organized by the department of Community medicine, SVIMS, SPMC-W
3. 2015-16 batch of MBBS students namely Shaik Suhani, D. Pravalika, Sheik Ameerun, Polu Harshitha, P. Narmada won the **State Second Prize** in the video contest held by IAPSM-World TB Day 2018 for their video entitled – 'Now More Than Ever Stop TB Forever'. (Youtube link: https://youtu.be/w_heFWqFajg)
4. 2015-16 batch of MBBS students namely P.Keerthana, C. Yagna Priya and K. Laasya Sree stood **First in the medical quiz** competition held at KIMS Conference.
5. P.S.S.Aamani (1505098) bagged the **first prize** in the essay writing competition held on the occasion of World Aids Day- Know Your Status, by the Department of Community Medicine.

Scholarships

The Eligible Students Who Belong To SC/ST/ BC/EBC And Minority Categories Are Getting Scholarships From The Government Through Respective Welfare Authorities. For The Year 2018, An Amount of ₹ 41,66,400/- was released to the beneficiaries as detailed below:

S. No.	Student Category	No. of students benefited	Amount sanctioned (₹)
01.	SC	35	10,08,000
02.	ST	09	2,01,600
03.	BC	80	22,17,600
04.	EBC	87	2,01,600
05.	Minority	15	5,37,600
	Total	226	41,66,400

1.3 College of Nursing

The College of Nursing was established in the year 1996 with an objective of providing graduate & postgraduate teaching and for research in the relevant disciplines of modern nursing. The courses offered are BSc (N), MSc (N) and PhD. The college has infrastructure with well equipped laboratories, advanced teaching and learning activities. The intake of students for BSc (N) is 100 and MSc (N) is 30 in each academic year.



1.4 College of Physiotherapy

The College of Physiotherapy was established in the year 1998. The college offers graduate and postgraduate courses in physiotherapy. The intake of students in BPT is 50 and MPT is 15 in each academic year. The patient services include in-patient and out-patient services and special services through obesity clinic, pain clinic, paediatric clinic, advanced physiotherapy, ergonomics & life style modification.



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1.5 Basic Life Sciences

i) **Biotechnology** The Department of Biotechnology was established in 2003. It offers two courses, MSc (Biotechnology) and PhD. The department has developed cardiomyocytes from human CD 34+ stem cells. The successful students have been absorbed in industrial organizations, who are leaders in production of drugs, vaccines, etc. The students have also been selected in various national level examinations like, Biotechnology Consortium India Ltd. (BCIL), Council of Scientific and Industrial Research (CSIR), Graduate Aptitude Test in Engineering (GATE), Indian Council of Medical Research (ICMR) etc. The intake of students for MSc Biotechnology is 15 in each academic year.



ii) **Bioinformatics:** The Department of Bioinformatics was established in 2003. SVIMS is first of its kind to start PG course in Bioinformatics in Andhra Pradesh. The Department of Biotechnology (DBT), Ministry of Science and Technology has approved the Bioinformatics centre as a Bioinformatics infrastructure facility. The centre has undertaken research projects sanctioned by DBT. It has four positions of studentship/ traineeship sponsored by DBT. The intake of students for MSc Bioinformatics is 15 in each academic year. The department was shifted to 1st floor of Center for Advance Research (CfAR) building.



1.6 Permission and recognition for the courses by MCI

MCI inspections were held for the following academic programmes:

S.No	Name of the course	Purpose	Date	Result
1.	MD - Microbiology	Renewal of Recognition	04.06.2018	Recognised
2.	MCh - Urology	Renewal of Recognition	26.07.2018	Awaiting
3.	DM - Cardiology	Renewal of Recognition	30.07.2018	Awaiting
4.	MCh - Neurosurgery	Renewal of Recognition	03.08.2018	Awaiting
5.	DM - Endocrinology	Renewal of Recognition	10.08.2018	Awaiting

1.7 Student enrollment for the academic year 2018-19

Admission procedure

Modern Medicine:

MBBS course: The 5th batch (2018-19) of 150 students were admitted as follows:

1. All India Quota: 15% 22 seats were filled by the Medical Counseling Committee (MCC), DGHS, Govt. of India
2. NRI category: 15% 23 seats were filled by Dr NTRUHS, Vijayawada.
3. Merit category: 105 seats were filled by Dr NTRUHS, Vijayawada.

PG courses (MD): 39 seats in 10 broad specialities. Admissions are made for 50% of seats through All India quota by Medical Counseling Committee, DGHS, Govt. of India & 50% seats in State quota are filled by Dr. NTR UHS as per G.O.MS.No.129, dt: 08-08-2013.

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

Life sciences, paramedical and allied health sciences courses:

The courses in Nursing (UG, PG), Physiotherapy (UG, PG), Allied Health Sciences (UG, PG), Life Sciences (PG), Fellowship / Certificate courses & Ph.D Programme admissions are made by SVIMS by inviting applications from the eligible candidates of A.P/ Telangana. The University received 3068 applications for various courses and admissions were made on the basis of the marks secured in the qualifying examination with the exception of M.Sc. Nursing in which the admissions are made based on merit in an entrance test conducted by SVIMS.

The academic calendar started for most of the courses in August, 2018, with the exception of PG Medical (MD) courses which commenced in May 2018 and Nursing courses in October 2018. For the academic year 2018-19, 541 students were admitted against 579 seats offered in various academic programmes with enrollment of 93%.

The details of students admitted in each course is as follows:

1. Modern Medicine

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	MBBS	150	-	82	-	33	-	20	-	08	-	02	-	05	-	150	150
2	PG courses	39	5	8	6	11	2	4	1	1	-	-	-	-	14	24	38
	Anaesthesiology	09	1	2	2	1	-	1	-	1	-	-	-	-	3	5	08
	Biochemistry	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	01
	Microbiology	01	-	1	-	-	-	-	-	-	-	-	-	-	-	1	01
	Medicine	09	1	2	2	2	-	2	-	-	-	-	-	-	3	6	09
	Pathology	02	-	-	1	1	-	-	-	-	-	-	-	-	1	1	02
	Transfusion Medicine	01	-	1	-	-	-	-	-	-	-	-	-	-	-	1	01
	Radiotherapy	03	-	1	-	2	-	-	-	-	-	-	-	-	-	3	03
	Radio-diagnosis	07	1	-	1	2	1	1	1	-	-	-	-	-	4	3	07
	Nuclear Medicine	04	1	1	-	2	-	-	-	-	-	-	-	-	1	3	04
	Emergency Medicine	02	1	-	-	-	1	-	-	-	-	-	-	-	2	-	02
3	DM courses	13	6	1	3	3	-	-	-	-	-	-	-	-	9	4	13
	Cardiology	04	2	-	2	-	-	-	-	-	-	-	-	-	4	-	04
	Neurology	03	1	1	1	-	-	-	-	-	-	-	-	-	2	1	03
	Nephrology	02	-	-	-	2	-	-	-	-	-	-	-	-	-	2	02
	Endocrinology	02	1	-	-	1	-	-	-	-	-	-	-	-	1	1	02
	Medical Oncology	02	2	-	-	-	-	-	-	-	-	-	-	-	2	-	02
4	MCh courses	14	5	-	3	1	-	-	1	-	-	-	-	-	9	1	10
	Cardiothoracic Surgery	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neurosurgery	03	1	-	1	-	-	-	1	-	-	-	-	-	3	-	03
	Urology	04	2	-	2	-	-	-	-	-	-	-	-	-	4	-	04
	Surgical Oncology	02	1	-	-	1	-	-	-	-	-	-	-	-	1	1	02
	Surgical GE	01	1	-	-	-	-	-	-	-	-	-	-	-	1	-	01

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5	Fellowship Certificate courses	11	1	-	2	-	-	-	-	-	-	-	-	-	3	0	03
	Critical care	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cardiac anesthesia	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neuro Anaesthesia	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surgical GE	03	1	-	2	-	-	-	-	-	-	-	-	-	3	0	03
	Head & Neck Oncology	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N.C Gupta Pulmonary Fellowship	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Certificate course for Medical graduates	06	1	-	-	1	-	-	-	-	-	-	-	-	1	1	02
	Emergency Medicine	04	1	-	-	1	-	-	-	-	-	-	-	-	1	1	02
	Basics of Dialysis Management	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Students:	233	18	91	14	49	2	24	2	9	-	2	-	5	36	180	216

2. Ph.D Programmes

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
7	PhD	14	2	2	-	5	1	1	2	-	-	-	-	-	5	8	13
	Anatomy	02	-	-	-	1	-	-	1	-	-	-	-	-	1	1	02
	Biotechnology	03	-	1	-	2	-	-	-	-	-	-	-	-	0	3	03
	Bioinformatics	02	-	-	-	1	-	-	1	-	-	-	-	-	1	1	02
	Cardiology	02	1	-	-	-	-	-	-	-	-	-	-	-	1	0	01
	CT Surgery	02	-	1	-	-	1	-	-	-	-	-	-	-	1	1	02
	Physiology	02	-	-	-	1	-	1	-	-	-	-	-	-	0	2	02
	Surgical Oncology	01	1	-	-	-	-	-	-	-	-	-	-	-	1	0	01
	Total students:	14	2	2	-	5	1	1	2	-	-	-	-	-	5	8	13

3. Life sciences, paramedical and allied health sciences courses

S. No.	Course	In take	OC		BC		SC		ST		PHC		Minority		Total		Total No. of students admitted
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	
8	BSc (N)	100	1	16	7	40	2	21	2	6	1	-	-	4	13	87	100
9	BPT	50	1	8	7	22	1	8	2	1	-	-	-	-	11	39	50
10	BSc (Para medical)	65	3	11	9	20	4	9	2	2	-	-	2	3	20	45	65
	AT	12	-	1	3	4	-	2	1	-	-	-	-	1	4	8	12
	MLT	20	3	3	1	7	2	3	1	-	-	-	-	-	7	13	20
	CVT	08	-	2	-	2	1	1	-	1	-	-	-	1	1	7	08
	NPT	02	-	-	-	2	-	-	-	-	-	-	-	-	0	2	02
	RIT	09	-	2	2	3	1	-	-	1	-	-	-	-	3	6	09
	NMT	02	-	-	-	1	-	-	-	-	-	-	1	-	1	1	02

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	DT	06	-	2	2	-	-	2	-	-	-	-	-	-	2	4	06
	CPPT	02	-	-	-	1	-	-	-	-	-	-	1	-	1	1	02
	EMST	04	-	1	1	-	-	1	-	-	-	-	-	1	1	3	04
11	M.Sc (N)	30	1	5	2	11	-	8	-	2	-	-	-	1	3	27	30
12	MPT	15	1	4	4	3	3	-	-	-	-	-	-	-	8	7	15
13	MSc	34	2	3	5	4	2	4	-	-	-	-	-	3	9	14	23
	Biotechnology	15	2	2	4	2	1	1	-	-	-	-	-	1	7	6	13
	Bioinformatics	15		1	1	1	1	2	-	-	-	-	-	1	2	5	07
	Echocardiography	01	-	-	-	1	-	-	-	-	-	-	-	-	-	1	01
	Cardiac Catheterization Intervention Technology	01	-	-	-	-	-	1	-	-	-	-	-	-	-	1	01
	Dialysis Technology	02	-	-	-	-	-	-	-	-	-	-	-	1	-	1	01
14	MSc Medical	10	-	3	3	-	2	1	-	1	-	-	-	-	5	5	10
	Anatomy	02	-	1	1	-	-	-	-	-	-	-	-	-	1	1	02
	Physiology	02	-	1	1	-	-	-	-	-	-	-	-	-	1	1	02
	Biochemistry	03	-	-	1	-	1	-	-	1	-	-	-	-	2	1	03
	Microbiology	03	-	1	-	-	1	1	-	-	-	-	-	-	1	2	03
15	Post Basic Diploma in Nursing	16	1	2	2	3	1	3	1	-	-	-	-	2	5	10	15
	Cardiac Intensive Care & Catheterization Lab.	05	-	2	1	1	1	-	-	-	-	-	-	-	2	3	05
	Cardiothoracic Surgery	05	1	-	-	1	-	2	-	-	-	-	-	1	1	4	05
	Peritoneal Dialysis	02	-	-	-	1	-	1	-	-	-	-	-	-	-	2	02
	Hemo Dialysis	02	-	-	1	-	-	-	-	-	-	-	-	1	1	1	02
	Renal																
	Transplantation	02	-	-	-	-	-	-	1	-	-	-	-	-	1	-	01
16	PG Dip. in Para medical courses	08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medical Records Science	08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Diploma in Para medical disciplines	04	1	1	-	1	-	1	-	-	-	-	-	-	1	3	04

1.8 Scholarships

The eligible students belonging to SC/ST/ BC/EBC and Minority categories of the University were sanctioned scholarships from the Government through respective welfare authorities. For the academic year 2017-18, an amount of 4,30,31,175/- was released to the beneficiaries as detailed below:

S. No.	Student Category	No. of students benefited	Amount sanctioned (₹)
01.	SC	192	87,52,771.00
02.	ST	52	28,25,195.00
03.	BC	403	1,64,53,495.00
04.	EBC	201	1,10,84,081.00
05.	Minority	81	39,15,633.00
	TOTAL	929	4,30,31,175.00

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For the year 2017-18, the Government fixed the ceiling limit of the annual parental income to Rs. 2,00,000/- for SC, ST categories and Rs. 1,00,000/- for BC, EBC & Minority categories to become eligible to apply for scholarship. About 50% of the students admitted have submitted their applications online to the respective welfare authorities for sanction of scholarship.

1.9 Hostels

The University provides hostel facility for boys, girls and resident doctors. The accommodation available and occupied for the year 2018 is furnished below:

S. No.	Name of the Hostel Block	No. of Rooms	
		available	Allotted
1.	P.G. Doctors Hostel – I	42	40
2.	P.G. Doctors Hostel – II	89	89
3.	Boys Hostel	47	47
4.	Girls Hostel – I (BIRRD)	26	26
5.	Girls Hostel – II	55	55
6.	Girls Hostel– III	68	61
7.	Girls Hostel (New) – IV	59	59
8.	SPMC (W) Hostel	144	130
9.	Interns Hostel	65	61
	Total:	595	575

1.10 Quarters

The Institute provides accommodation for teaching and non-teaching staff within the campus. The accommodation available and occupied for the year 2018 is furnished below:

S. No.	Name of the Quarters	No. of Rooms	
		Total	Allotted
1.	Faculty Quarters (Blocks- I, II, III)	17	17
2.	Professors Quarters – South (Vedadri block)	12	12
3.	Asst. Professors Quarters – Middle (Srinivasa block)	16	16
4.	Asst. Professors Quarters- North (Sudharshanam Block)	16	16
5.	BIRRD Faculty Quarters	02	02
6.	Nursing/Non-Teaching staff Quarters (3 blocks of 12 each)	36	36
7.	Nursing/Non-Teaching staff Quarters (BIRRD) (2 blocks)	12	11
	Total	111	110

2.0 Examination Activities

The Examination Section makes all the arrangements necessary for holding examinations and timely declaration of results. During 2017-18 academic year, the University conducted examinations for various courses i.e. DM, MCh, MD, MSc Medical, MSc Life Sciences, MPT, MSc Nursing, BPT, BSc Nursing, BSc Allied Health Sciences. The Institute is also running the PhD programme. The examination section prepares mark lists & degrees.

The Department also actively participates in organizing the Convocation of the Institute every year.

The details of University examinations conducted for the academic year 2017-18 are as follows:

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2.1 Examination results (Regular and Supplementary)

Name of the course	Number of students appeared		Number of students passed		Percentage of pass	
	Jan/Feb 2018	July/Aug 2018	Jan/Feb 2018	Jun/July 2018	Jan/Feb 2018	July/Aug 2018
D.M./M.Ch. Courses	1	20	1	20	100	100
M.D. Courses	-	25	-	25	-	100
Post Graduate						
Master of Physiotherapy	-	12	-	12	-	100
M.Sc. Nursing	-	17	-	17	-	100
M.Sc. Medical courses	1	11	1	11	100	100
M.Sc. Biotechnology & Bioinformatics	1	13	1	13	100	100
Under Graduate						
Bachelor of Physiotherapy	7	28	7	28	100	100
B.Sc. Nursing	1	92	1	91	100	98.91
B.Sc. Paramedical Technical courses	4	5	1	4	25.00	80.00
Diploma/Certificate						
P.G. Diploma in Para Medical Technical courses	-	16	-	16	-	100
Post Basic Diploma in Nursing	-	14	-	14	-	100
Diploma in Radiotherapy Technology	1	3	1	3	100	100

2.2 Best outgoing students (2017-18)

Course	Name
D.M. courses	Dr. Apparao Anumolu, DM Neurology
M.Ch. courses	Dr. Krishna Karthik, MCh Genito Urinary Surgery
M.D. courses	Dr. P.Prabhu Gnanapika, MD Anaesthesiology
M.D. Medicine	Dr. G.Sindhu, MD Medicine
M.Sc. Nursing	Ms.A.Sravani
Master of Physiotherapy	Ms.K.Swapna Kumari
M.Sc. Medical courses	Mr.P.Santosh Kumar
M.Sc. Biotechnology	Ms.K.Yogitha Iyer
M.Sc. Bioinformatics	Ms.P.Parvathi Priyanka
B.Sc. Nursing	Mr.V.Mahesh
Bachelor of Physiotherapy	Ms.Y.Tanuja

2.3 Medals / Merit Certificates awarded

1. Dr Nyapathi Ramachandra Rao Gold Medal - Dr. G.Sindhu, MD Medicine (Topper in Medicine)
2. Dr G. Subramanyam & Dr.Sunitha Subramanyam Medals -
 - Dr P.Prabhu Gnanapika, M.D. Anaesthesiology - First among the students of all M.D. courses
 - Dr Apparao Anumolu, D.M. Neurology - First among the students of all D.M. courses
 - Dr Krishna Karthik, M.Ch. Genito Urinary Surgery – First among the students of all M.Ch. courses
 - Mr.V.Mahesh - Topper in B.Sc. Nursing
 - Ms.Y.Tanuja - Topper in Bachelor of Physiotherapy for the year – 2017
3. Late Dr P.Subrahmanyam, IAS Medal - Ms. K.Yogitha Iyer, MSc Biotechnology (First among the students of Life Sciences)
4. Faculty, College of Physiotherapy Medal - Ms. K.Swapna Kumari, Topper in Master of Physiotherapy.
5. Kum. Komal Reddy Foundation Trust Medal - Ms. A.Sravani, Topper in M.Sc. Nursing
6. (i) Mr.P.Santosh Kumar, Medical Biochemistry -First among the students of all M.Sc. Medical courses
(ii) Ms. P.Parvathi Priyanka – Topper in M.Sc. Bioinformatics
7. “Dr V. Jayaram and Mrs. Lalitha Jayaram” Medal awarded to Ms. K.Yamuna, Topper in 1st MBBS examination held during 2018.

2.4 Entrance Examinations

S. No	Name of the course examination	Date	No. of candidate appeared
1	Ph.D.	30.08.2018	02
2	M.Sc. Nursing	04.09.2018	64

3.0 Enhanced services at SVIMS

3.1. CPR Programme

SVIMS is planning to train all the citizens of Tirupati in CPR. It is aiming to train up to 25000 people in Hands only CPR in observance of its Silver Jubilee celebrations, and to continue the community training thereafter to the entire district. The goal is to make every citizen in Tirupati to be first responder, competent to provide CPR during the first few “Platinum Minutes” until professional medical care arrives. SVIMS has earlier trained 1500 police men in CPR who are one of the first responders during emergencies. Without limiting itself to only police men, the organization is now ready to equip all the potential first responders of the city with CPR training. This essential knowledge helps people to act effectively and efficiently during emergencies which in turn reduces the number of deaths. This is true in the case of Denmark” says the SVIMS Director and VC Dr. T.S. Ravikumar. SVIMS mission of “Saving Lives in the Community” is shared by Laerdal medical company who has come forward to provide 225 community CPR manikins as part of its Corporate Social Responsibility. Prof. T.S. Ravikumar will spearhead this effort.

SVIMS was able to launch the district wide Community CPR program on “World Heart Day”.

“It is our goal that every citizen of Chittoor shall have the necessary skills, knowledge and readiness to help out any fellow human being requiring life saving procedure before the appropriate medical help arrives”. The CPR process was explained in 5 steps to all the students present in the programme. A demo was also given prior to training. Chittoor Collector, Sri. P.S. Pradyumna and Municipal Commissioner, Tirupati, Sri. V. Vijayaramaraju practiced CPR on stage inspiring the students to learn the life saving technique.

Government of Andhra Pradesh organized a one day workshop, ‘Gnana Bheri’ on Global Competitiveness for the first time in Sri Venkateswara University’s Tarakarama Stadium on 04.08.2018. More than 15,000 students from different universities in Andhra Pradesh attended the interaction programme and many students gave presentation on different topics and received appreciation.

So far, about 60 programmes have been conducted and 48,000 include High school, Engineering students, Teachers, Police and Govt. employees were trained in CPR programme.



Ms. Pooja, Lasya and Rishitha MBBS students of SVIMS are seen making a presentation on 'Hands Only CPR' and receiving award from Hon'ble Chief Minister of A.P.

3.2 Aadithya Hridayam

It is an initiative of educating every single individual about CPR in the entire population of Chittoor District in a phased manner as per the instructions of the Hon'ble Chief Minister of Andhra Pradesh during the Gnanabheri Programme. It took off on September 29th, 2018

Training and educating the people in CPR and motivating them to be CPR ready any time , anywhere. The program was successfully organized in two phases, first being the 'Train the Trainers' program that took place during 8th & 9th November, 2018 where in teachers, primary health care workers, NCC volunteers of Palamaner and Kuppam, received training in CPR and were up skilled further to act as trainers at their community level. From 12th -14th November, 2018 SVIMS CPR trainers along with trainers at community level reached out to the villages of Palamaner and Kuppam constituencies and trained the students, teachers and public in CPR making them CPR smart. This CPR training program at community level has equipped 21,674 persons including students, teachers, anganwadi workers, NCC cadets and Primary Health Care workers with CPR knowledge and readied them for a greater responsibility of 'Saving Life'. SVIMS also organized a CPR training sessions in Sanambatla, Chandragiri Mandal, Molakalacheruvu, and 17 schools in Tirupati and trained 2,606 people in CPR in November and December. The positive response received from the population in these places has energized SVIMS CPR trainers to take up CPR sessions in other parts of Chittoor and make it the 'First CPR Smart District' in the country.



3.3 Pink Bus

SVIMS women's health initiative. Pink Bus was launched on 28th December 2018 in SVIMS Campus . 'Pink Bus' is designed to provide bundled screening for the 3 major cancers affecting women: Breast, Cervix & Oral Cavity .

Addressing the gathering during the inauguration of Pink Bus Dr .T.S. Ravikumar presented the Globocan 2018, WHO statistics on cancer. "According to WHO 2018 data, the estimated new cancer cases in 2018 is 11.57 lakhs and 7.84 lakhs cancer related deaths in India. In USA 1 .735 million are diagnosed with cancer each year with 609,000 deaths. The death rate is as low as 35% in America while it is nearly 68% in India or double that of USA. So, the goal of all cancer control strategies is to improve the survival rate through early diagnosis & then towards cancer prevention" said Dr . Ravikumar . He also said that more women than men are affected in India . Nearly 5,87,249 women are diagnosed with cancer whereas 5,70,045 men are diagnosed with cancer in India each year . Cancer deaths in women in India is 3,71,000 per year, with death rate of 63%

The Pink bus features mobile mammography, gynecological examination / PAP smear, oral examination, breast ultrasound, educational video on cancer prevention, patient counselling and will screen for breast, oral cavity and cervical cancers which are listed among the top five cancers in the WHO, Globocan data . Women will be screened for these cancers in a bundled approach . Subsequently, screening for other Non Communicable Diseases (NCDs) through assessment for High Blood Pressure, Diabetes, Kidney diseases & Heart diseases is planned .

Dr . T.S. Ravikumar lamented the lack of population level data on cancers in Andhra Pradesh & mentioned that the Globocan 2018 data included 26 cancer registries in India, but none from Andhra Pradesh . Therefore, he proposed a 'Rayalaseema Cancer' Registry (Rayala Can) . Further, "healthcare financing systems in public sector have not provided funding for cancer screening, which is unfortunate" he added .

Dr. T.S. Ravikumar thanked Mr. Lalith Shah, Mumbai who donated Rs . 1 crore for Pink Bus and many other donors & members of SVIMS who have helped in making this "Pink Initiative" a reality through their donations to cover the cost of Rs. 2.19 Crores . He also thanked Rotary club for donating digital mammography to SVIMS to be commissioned soon & for expected collaboration in spreading cancer prevention awareness in communities .



SVIMS Director cum Vice Chancellor Dr. T. S. Ravikumar addressing the gathering during the launch of PINK BUS on 28- 12- 2018 in SVIMS campus.

Cancer Screening camp with Pink Bus was initiated with some eligible women in SVIMS campus. The bus travelled to PHCs and Villages where the women were screened for breast, oral and cervix cancers. is designed to provide bundled screening for the 3 major cancers affecting women: Breast, Cervix & Oral Cavity .

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The Pink bus features mobile mammography, gynecological examination / PAP smear, oral examination, breast ultrasound, educational video on cancer prevention, patient counselling and will screen for breast, oral cavity and cervical cancers which are listed among the top five cancers in the WHO, Globocan data . Women will be screened for these cancers in a bundled approach .

3.4 AHA's International Training Centre:

SVIMS is now an approved International Training Center (ITC) by American Heart Association (AHA). The global network of ITC's are established to educate people about the cardiovascular diseases including stroke, its prevention and treatment. Cardiovascular diseases and stroke together account for the largest number of deaths currently and into the future. Therefore, this AHA partnership is an important step in the long race ahead to reduce deaths, save lives and mitigate the burden of disease in our region. AHA ECC (American Heart Association Emergency Cardiovascular Care) courses and provider and instructor

courses in Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) will be taught in the International Training Center (ITC) of SVIMS. SVIMS is the only centre in Andhra Pradesh to have this distinction to provide both ACLS and BLS courses.

The course content is designed in such a way that it gives a complete overview of current resuscitation concepts. Those receiving training are certified as BLS and ACLS providers and instructors by AHA. SVIMS has conducted 8 BLS & 5 ACLS training sessions including 1 BLS & 1 ACLS instructor course training sessions. 93 persons completed BLS & ACLS provider course and 217 persons received training in BLS Provider course. 6 persons completed both BLS & ACLS instructor course.

Advanced Resuscitation & High End Simulation Course Conducted at SVIMS Saving lives campaign through Evidence Based Integrated Team approach:

SVIMS organized advanced simulation program on 29.10.2018 under the leadership of Visiting Professor Dr. Vemuri Murthy from University of Illinois, This day long interactive clinical scenario based learning session was presented in several modules, catering to different levels of expertise & experience: students, post graduates, faculty, nurses & staff. An update of global recent advances in resuscitation of sick patients was presented by him, who is also an expert in Global Health, cardiopulmonary resuscitation and emergency care.

Patient centered approach was simulated using SIMMAN 3G, using various scenarios and several teams were trained using case based learning: Cardiac arrest, Respiratory arrest, Shock, Sepsis and various other emergency conditions

3.5 Advanced Lung clinic

A special clinic for patients suffering from lung disease in advanced stages has been launched in SVIMS in collaboration with university of Texas South Western Medical Centre. Dr Vaidehi Kaza, Assoc. Professor, Internal Medicine and Lung transplant expert, UT South Western Medical Center, Texas, USA inaugurated clinic on 23.07.2018.

Advanced Lung Clinic, a milestone in the development of the Institute of Lung Disorders at SVIMS is one of the 10 institutes of excellence articulated in the Roadmap for SVIMS, after Dr. Ravikumar took over as director. Upon his invitation, Dr. Vaidehi Kaza from University of Texas, Dallas, USA was at SVIMS to launch this clinic. This clinic is intended to treat the patients suffering from severe Chronic Obstructive Pulmonary Disease (COPD), Interstitial Lung Disease (ILD), severe uncontrolled bronchial asthma, bronchiectasis and pulmonary arterial



hypertension (PAH). Patients suffering from these disorders will benefit from multidisciplinary team approach involving physician, cardiologist, cardio-thoracic surgeon, psychiatrist, physiotherapist and nutritionist. The goal of this clinic is to provide a comprehensive multidisciplinary care to patients suffering from advanced lung diseases along with investigations like six minute walk test, pulmonary functional tests, bronchoscopy, HRCT chest, 2DEcho and right heart catheterization test at one place.



4.0 Recognitions for SVIMS contributions

4.1 Awards

1. **Dr M.H.Rao**, Senior Prof. & Principal, was awarded **Certificate of Merit** in recognition of the excellent services as Editorial Board Member for IJA for the year 2018.
2. **Dr Aloka Samantaray**, received **Certificate of Merit** in recognition of the excellent services as Reviewer/Editorial Board Member for IJA for the year 2018
3. **Dr V.Subhadra Devi**, Professor & Head received
 - **Outstanding performance award** from District collector Chittoor on the occasion of Independence Day Celebrations-2018.
 - **Special appreciation certificate** for outstanding performance on occasion of Republic Day celebrations -2018 from Director cum VC, SVIMS.
4. **Dr Aparna R Bitla**, Professor received **Best poster award** in the 45th ACBICON at Goa during 24-27 October 2018.
5. **Dr MM Suchitra**, Associate Professor received Dr Subhashini and Dr Kamalakar Reddy **Endowment Award** for the Best Original Article in the Silver Jubilee Celebrations of SVIMS University on 26th February 2018.
6. **Dr D. Rajasekhar** , Professor & Head:
 - Thrombosis Research Institute, the CRO of Garfield Trial **felicited** at Hong Kong for outstanding performance from India in Garfield Registry on 2nd June 2018.
 - Served as a Referee for **best poster award** at the National CSI conference at Mumbai during 22-25 December 2018
7. **Dr V. Vanajakshamma** was **felicited** by
 - Women employees of TTD on the occasion of International Women's Day at SPW Degree & PG College, Tirupati on 8th March 2018.
 - Star Welfare Society on the occasion of International Women's Day at Daamineedu, Tirupati on 8th March 2018.

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8. **Dr V.Chandrasekhar**, Assistant Professor of Community Medicine was awarded as “*Young Researcher in Public Health*” award of VIHA 2018 at Chennai on 29th September 2018. & “*Best Young Researcher National Award*” by IRDP journals during International symposium at Chennai on 28th October 2018.
9. **Dr K.V.S.Sarma**, Statistician received *Life Time Achievement Award* for the research work done in the area of Inventory Control Research, given by the University of Delhi in December 2018
10. **Dr V Suresh**, Professor received *State Teacher Award* at Amaravati from the Hon’ble Chief Minister of Govt. of A.P. on 5th September 2018.
11. **Dr Alladi Mohan was awarded**
 - Dr Koppachi Krishnamurthy Oration, Gold Medal 2018, by the Andhra Pradesh State Chapter of Association of Physicians of India
 - Dr A. Chakrapani Memorial Oration, Gold Medal 2018, by the Andhra Pradesh TB & Chest Diseases Association.
 - Dr Yellapragada Subbarow Memorial Oration, Gold Medal 2018, by the Indian Medical Association, Vijayawada.
12. **Dr R Ram**, Professor & Head, Department of Nephrology was awarded *Best Teacher award* for the year 2018 at Amaravati from the Hon’ble Chief Minister of Govt. Of A.P. on 5th September 2018.
13. **Dr B.C.M. Prasad**, Senior Professor was **elected as a president** APNSA and appointed as Member Specialist Board of National Board of Examinations in specialty of Neurosurgery.
14. **Dr D. M. Sasank**, Assistant Professor *won best poster prize* at APNEUROCON 2018, Kakinada during 9-10 June 2018.
15. **Dr A. Sudarshan**, Assistant Professor *won best poster prize* at TNSCON 2018, Hyderabad.
16. **Dr Umamaheswara Rao** received “*Bharat Ratna Dr Abdul Kalam Gold Medal Award*” for Individual Achievement and National Development at Chennai from Global Economic Progress & Research Association, New Delhi on 28th July 2018
17. **Dr Arpana Bhide**, Assistant Professor received special appreciation certificate for “*Outstanding performance*” during Republic Day celebration at SVIMS, Tirupati on 26th January 2018.
18. **Dr Sivaramakrishna G**, Associate Professor, was awarded *Post Graduate Diploma in Health Economics, Health care Financing and Health Policy (PGDHEP)* PHFI (E-learning) and certified as *Quality Implementer* by Healthcare Sector Skill Council and CAHO.
19. **Dr D V Narayana Reddy**, Postgraduate Senior Resident received *Travel Fellowship* from Indian Association of Surgical Gastroenterology.
20. Dr H.Narendra, Professor and Head, dept of Surgical Oncology was awarded *Best Teacher award* for the year 2018 at Amaravati from the Hon’ble Chief Minister of Govt. of A.P. on 5th September 2018
21. **Dr K.V.Sreedhar Babu**, was awarded “Special appreciation certificate for Out-Standing Performance” at SVIMS on 26th January 2018. & Prestigious “*ISBTI Institutional Award*” at TRANSCON 2018, Vizag during 26-28 October 2018.
22. **Dr G. Kalyan**, received *Vattikuti scholar 2018* from Vattikuti foundation USA.
23. **Dr K.Madhavi**, Professor and Principal i/c,COP received *meritorious certificate* from Chittoor District Collector on 26.01.2018 on the occasion of 69th Republic Day, 2018.
24. **Dr C.Shanthi**, Assistant professor of physiotherapy, received “*Marry Mac Millon Award*” at Hyderabad on 16th September, 2018 .
25. **Dr C.Shanthi, Dr V.Srikumari**, Assistant Professors of Physiotherapy received “*Best Teacher Award*” at THERACON’2018, Salem on 16th September 2018.
26. **Dr V.Srikumari**, Assistant Professor of physiotherapy received “*Professional Excellence Award*” at Warangal on 28th March 2018.

27. **Dr Keerthi Thej Mitta**, Tutor cum PG was *awarded 2nd prize* for the oral presentation at State Conference of AMBI at NRI Medical College during 28-30 September 2018.
28. **Mr P. Pullaiah**, PhD Research scholar was awarded the organizing committee *Best poster award* in 45th ACBICON at Goa during 24-27 October 2018.
29. Umakanth Naik V, Ravina Madhulitha N, Sudheer Kumar K, SivaRanjani P, Sharon Priya Alexander and Umamaheswari A was awarded as the *best poster* in IPTCON 2018, a DST-CURIE at SPMVV University, Tirupati during 21-22 March 2018.
30. A poster presented by Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Sharon Priya Alexander, Aparna R. Bitla and Umamaheswari A was awarded as the *best poster* in 7th National seminar on Bioinformatics organized by SVIMS during 14-15 March 2018.
31. **Dr T. Suresh babu**, Senior Resident and Postgraduate Student in Cardiology was awarded for *Best oral paper* presentation in ICCCON-2018 at New Delhi during 14-16 September 2018.
32. **Dr P. Sumanth Reddy**, Senior Resident and Postgraduate Student in Cardiology was awarded for *Best Poster* presentation award in APCSI-2018 at Vijayawada during 11-12 August 2018.
33. **Mr. K. Sreedhar Naik**, was awarded *Second Best Poster* in 7th National Seminar on Bioinformatics at SVIMS, Tirupati during 14-15 March 2018 and *Best Poster award* in NCIFB-2018 at SV University, Tirupati during 26-28 March 2018
34. In AP APICON 2018 at Kuppam during 7-9 September, 2018 the following Post graduates in the Dept. of medicine namely Dr G. Niveditha & Dr A. Praveen won *Best Paper Awards* and Dr V. Pradeep & Dr T. Sowjanya Lakshmi won *II Best Poster Award*.
35. **Dr Sunnesh Reddy and Dr Sai Sameera**, Senior Residents in Nephrology won *Second prize* in ISNSCCON -2018 South Zone Conference at Hyderabad.
36. **Dr Raja Amarendra**, Senior Resident in Nephrology won *First prize* in APSN -2018 Conference at Nellore and *Second prize* in the PDSICON 2018 at Aurangabad.
37. **Dr T. Srikanth**, won *1st prize in Neuro Radiology quiz* at APNEUROCON 2018, Kakinada during 9-10 June 2018.
38. **Dr Vivek Sharma**, won *3rd prize in Neuro Radiology quiz* at APNEUROCON 2018, Kakinada during 9-10 June 2018.
39. Dr Kishore, PG Junior Resident won *Dr Rajareddy Gold Medal* at AP State Annual Conference at Kakinada
40. Dr M.Guru Raghavendra, MCh Resident was awarded *“First Prize in Free Paper Presentation”* at NATCON IASO-2018, Kovalam, during 21-23 September 2018.
41. Dr V.Naresh Kumar, MCh Resident was awarded
 . *“Dr Vyagreswarudu Best Paper Award”* at APASICON – 2018, Kadapa during 24 – 26 August 2018
 . *“First Prize in State Chapter Best Paper Award”* at ASICON– 2018, Chennai on 27th December 2018.
42. **Dr K.Krishna Karthik**, received **Gold medal** among Surgical Superspecialies during year 2018 in the convocation.
43. **Dr Ch Konda Reddy**, received **2nd prize in Quiz** at SZUSICON, Warangal during 10-12 August 2018.
44. M. Lakshmi Devi, Tutor in Nursing was awarded *1st prize* for poster presentations at National Conference SVMC, Tirupati on 17th November 2018.
45. P. Sumalatha, tutor in Nursing was awarded **2nd prize** for poster presentations at National Conference SVMC, Tirupati on 17th November 2018.

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5.0 Visitors to SVIMS

1. Dr S Ashokan, Assoc. Prof. of Radiology & Former Consultant Christ Hospital, University of Illionis, Chicago, USA delivered a guest lecture on “**New Recommendations for interpreting and Reporting of First Trimester Ultrasound**”. On 16.1.2018.
2. The Hon’ble Health Minister Dr Kamen Srinivas visited SVIMS on 20.02.2018 for inauguration of SVIMS - Simulation System (S³), American Heart Association International Training Centre



3. Dr. Karan Pratap Singh, Associate Medical Director and Faculty, Department of Emergency Medicine, Loma Linda University, UC Riverside School of Medicine, USA, was in SVIMS as a Visiting Professor from 3rd to 7th March, 2018 to develop Emergency and Trauma care Services in SVIMS. During his stay in SVIMS Emergency Department, he taught the Emergency Medicine faculty about bedside use of ultrasound, handling of polytrauma cases, sepsis and its treatment guidelines. In a lecture arranged in SVIMS, Sri Padmavathi Auditorium, he emphasized the need for team approach while managing critically ill patients.



4. Dr. Sarthak Das, DrPH, was at SVIMS from 27.03.18-28.03.18 as a Visiting Professor to develop Centre for Quality, Patient Safety and Leadership Academy. Dr. Sarthak Das is a Senior Advisor, Research Translation & Global Health Policy, Harvard Health Institute, USA and Research Scientist, Harvard T.H. Chan School of Public Health. Dr. Sarthak Das discussed about scope of research in public health. He gave a seminar on his global experience & its relevance to Indian context, for faculty students & patients.



5. TTD Chairman Sri. Putta Sudhakar Yadav and board members Sri. Challa Ramachandra Reddy & Smt. Sudha Narayana Murthy visited SVIMS hospital. In view of their visit a review meeting was conducted in Committee hall on 15.05.2018 and they assured continuing financial support for the development of the SVIMS.

6. Prof. Vemuri S Murthy, University of Illinois Chicago visited SVIMS on 26.10.2018 to attend workshop on Adult Resuscitation with recent updates and Hands on Practice on Sim Man 3G.



6.0 Activities at SVIMS

6.1 9th Convocation

The 9th Convocation of the Institute was held on 1st December 2018 at Mahati Auditorium, Tirupati. Prof. K N Ganesh, Director, IISER, Tirupati delivered the convocation address. Sri N.Md Farook, Hon'ble Minister for Health & Medical Education, Govt. of AP; Sri Putta Sudhakar Yadhav, Chairman, TTD Board of Trustees; Dr S. Venkatesh, DGHS, Govt. of India addressed the gathering. Sri Keshav Desiraju, IAS; Dr D. Raghunadha Rao; Dr G.L. Janaki Ramaiah, VC i/c, SV University; Dr PVLN Srinivasa Rao, Dr V. Siva Kumar, Dr M Hanumantha Rao, Dr TC Kalawat members of Governing council shared the dais. 298 students were conferred degrees in different disciplines.



Group photo of the members of the Governing Council and the Academic Senate of the University who took part in the Convocation procession



The Dignitaries are seen participating in "lighting the lamp" ceremony



The Inaguration of 9th convocation. Seen from left to right (1st row) are Dean, SVIMS; Dr S. Venkatesh, DGHS, Govt. of India; Sri Putta Sudhakar Yadhav, Chairman, TTD Board of Trustees; Sri N.Md Farook, Hon'ble Minister for Health & Medical education, Govt. of AP; The Director cum VC, SVIMS; Prof. K N Ganesh, Director, IISER, Tirupati; Sri Keshav Desiraju, Dr. C.V. Rao, VC, NTR UHS (2nd row), ; Dr M Hanumantha Rao, Principal, SPMC(W); Dr V. Siva Kumar, Sr. Prof. Nephrology, Dr D. Raghunadha Rao; Dr G.L. Janaki Ramaiah, VC i/c, SV University and Dr TC Kalawat, Registrar, SVIMS.



The Dignitaries are seen delivering the address during 9th convocation seen from left to right are Sri N.Md Farook, Sri Putta Sudhakar Yadhav, Dr S. Venkatesh, Prof. K N Ganesh



Dr T.S. Ravikumar, Director cum VC, SVIMS is seen -delivering the Institute report for Academic year 2017-18.

6.2 Institute day celebrations:

The 25th Anniversary day and UNIFEST celebrations of SVIMS were held on 26.02.2018. Dr. Kamineni Srinivas, Hon'ble Minister for HM&FW, Govt. of AP., attended as Chief Guest and the other guests were Dr. V. Varaprasad, I.A.S (Rtd), Sri. Y. Srinivasulu Reddy, MLC, Smt. M. Sugunamma, MLA, Tirupati. The staff members, their children and students who participated and excelled in various sports and cultural activities were awarded with trophies and mementoes. The students and staff members participated in cultural events to mark the occasion.



Dr. Kamineni Srinivas, Hon'ble Minister for HM&FW, Govt. of AP is seen addressing the gathering and releasing Annual report 2017 and Akanksha 2018



The students of college of Nursing are seen receiving overall championship trophy of UNIFEST 2018



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

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6.3 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 2018.

1. The 10th Annual Cardiology Chair oration was delivered by Prof. K.S. Ravindranath, Prof. of Cardiology, Sri Jayadeva Institute of Cardiology, Bangalore on 29th January, 2018 on the topic “Recent advances in Cardiology Practice”. The oration was organized by the Dept. of Cardiology.



2. The 2nd Surgical Oncology Chair Oration was delivered by Dr. E. Hemanth Raj, Vice Chairman & Prof. of Surgical Oncology, Cancer Institute, Adyar, Chennai on 24th February, 2018 on the topic “My career my choice”. The oration was organized by the Dept. of Surgical Oncology.

3. The 6th Annual Neurosurgery Chair oration was delivered by Dr.K. Satya Vara Prasad, Prof. & Head of Neurosurgery, Andhra Medical College and Director, VIMS, Visakhapatnam on 8th March, 2018 on the topic ‘My Experiences in Neurosurgery’. The oration was organized by the Dept. of Neurosurgery



4. The 2nd Annual Balaji Cardiology Endowment oration was delivered by Dr. K.Sarat Chandra, President, Cardiological Society of India & Cardiologist, Indo – US Super Specialty Hospital, Hyderabad on 22nd March, 2018 on the topic “Management of Acute Coronary Syndromes”. The oration was organized by the Dept. of Cardiology.

5. The 2nd Annual Balaji Gold Medal Chair Oration was delivered by Dr. Anita S Bhaduri, Consultant Histopathologist & Cytologist, PD Hinduja Hospital & Medical Research Center, Mumbai on 11th June 2018 on the topic “Accreditation in Histopathology –A Journey to Self Audit & Quality”. The oration was organized by the Dept. of Pathology.



6. The 3rd Srinivasa Neurosurgery Endowment Oration was delivered by Dr. S.K Gupta, Professor & HoD, Dept. of Neurosurgery, PGIMER, Chandigarh on 1st October, 2018 on the topic “Evolving Trends in Skull Base Surgery”. The oration was organized by the Dept. of Neurosurgery.

7. 2nd SVIMS Medical Oncology Oration was delivered by Dr. T.G. Sagar, Director (Emeritus) HoD & Prof. Dept. of Medical Oncology, Cancer Institute, Adayar, Chennai on 26.10.2018 on the topic “*Five Decades of Medical Oncology in India – Challenges & Opportunities*”. The oration was organized by the Dept. of Medical Oncology.



8. The 4th Radiology Gold Medal Oration was delivered by Dr. R.K. Gupta, Head and Director of Radiology and Imaging Sciences, Fortis Memorial Research Institute, Gurgaon on 12th November, 2018 on the topic “Advanced MRI Techniques in the evaluation of Intracranial Pathologies”. The oration was organized by the Dept. of Radiology.

9. The 3rd Biochemistry Dr. B. Naganna oration was delivered by Dr. D. Dash, Professor, Dept of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi on 27th November, 2018 on the topic “Platelets – Bench to bed-side”. The oration was organized by the Dept. of Biochemistry.



10. The 8th Dr. Y. Subhashini & Dr. Kamalakar Reddy Endowment Oration was delivered by Prof. Anil Bhansali, Professor & Head, Dept of Endocrinology, PGIMER, Chandigarh on 26th November, 2018 on the topic “What is new in Type 2 Diabetes Mellitus”. The oration was organized by the Dept. of Endocrinology.

11. The 10th Annual Balaji Gold Medal Nephrology Chair oration was delivered by Dr. Vijay Kher, Medanta, The Mediciti, Gurgaon on 4th December, 2018 on the topic “Epidemic of CKD in India Challenges, Current Perspective and Future Directions”. The oration was organized by the Dept. of Nephrology.



12. The 3rd Annual Balaji Cardiology Endowment oration was delivered by Dr Yogesh Kumar Kothari, Senior Interventional Cardiologist, Sita Bhateja Specialty Hospital, Bangalore on 22nd December 2018 on the topic “Arrhythmia Management: Past, Present and Future”. The oration was organised by the Dept. of Cardiology.

6.4 Guest lectures & Seminars organized

S. No	Date	Topic	Speaker	Department
1	16.01.2018	New Recommendations for interpreting and Reporting of First Trimester Ultrasound	Dr S. Ashokan, Assoc. Prof of Radiology, University of Illionis, Chicago, USA	Radiology
2	12.03.2018	Amputation	Dr Raja, Principal, KIMS, Bangalore	College of Physiotherapy
		Lymphedema and its management	Dr T.V. Gnanasekar, Grace Physiotherapy and rehab center, Chennai	
3	14.03.2018	Management and Marketing Skills to Establish a Clinic	Mr Rohith Verma, Mumbai	College of physiotherapy
4	14.03.2018 & 15.03.2018	7 th National Seminar on Bioinformatics	Prof. P. Gautam, Anna University, Chennai Prof. R. Sowdhamini, NCBS, Bangalore Dr M Michael Gromiha, IIT Madras Dr U. Ramesh, Scientist, IICT, Hyderabad Prof. D. Sriram, BITS,Hyd.	Bioinformatics
5	25.07.2018	Early Anomaly Scan Fetal Heart – A Challenging Endeavor Fetal Doppler followed by live demonstration of Antenatal Ultra Sound	Dr T.L.N. Praveen, Hon' Consultant, NIMS, Hyderabad & Director and Consultant – Abhishek's Institute of Imageology.	Radiology
6	03.08.2018	Structural Bioinformatics of key bacterial enzymes for the design of new antibiotics	Prof. Balaji Prakash, CFTRI, Mysore.	Bioinformatics
7	03.09.2018	Rural Paediatric Emergencies Dept. of Paediatrics, JIPMER	Dr S Mahadevan M.D. Ph.D., Former Prof.,	Paediatrics
8	03.10.2018 05.10.2018	Correlation of Physiotherapy techniques with cardio-respiratory and vascular conditions	Dr Venkatesh, PhD, SRMC, College of Chennai.	Physiotherapy
9	24.10.2018	Cystic fibrosis prevalence in India – To improve awareness, recognition & diagnosis (WHO Project)	Dr Sneha Varikki, Prof. & Head, Paediatrics, CMCH Vellore.	Paediatrics
10	26.10.2018 27.10.2018	Faculty development programmes	Dr R. Narasimhan, SRMC, Chennai	College of Physiotherapy
11	07.12.2018 08.12.2018	Faculty development programmes	Dr Narasimhan, SRMC, Chennai	College of Physiotherapy

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6.5 Academic programme calendar for the year 2018

The academic schedule proposed for the year 2019 for conduct of clinical meetings, CPC,CME, Spotters Presentations, quiz programmes is as detailed below:

[1] SATURDAY'S CLINICAL MEETING			[2] THURSDAY'S CLINICAL MEETING		
Date	Research Presentation 8:00 to 8:45 am	Spotters Presentation 8:45 to 9:00 am	Date	Case / Topic Presentation 3:00 to 3:45 pm	Capsule on an Investigation/ procedure 3:45 to 4:00 pm
05/01/19	Dermatology	Neurosurgery	03/01/19	Oncology (Medical)	Debate
12/01/19	Emergency Medicine	Nuclear Medicine	10/01/19	Pathology	Case
19/01/19	Endocrinology	OBG	17/01/19	Radiotherapy	Debate
02/02/19	ENT	Oncology (Surgical)	24/01/19	Urology	Case
09/02/19	Forensic Medicine	Oncology (Medical)	31/01/19	Anaesthesiology	Debate
16/02/19	GE (Surgical)	Ophthalmology	07/02/19	Cardiology	Case
02/03/19	General Surgery	Pathology	14/02/19	Emergency Medicine	Debate
09/03/19	Haematology	Pharmacology	21/02/19	Endocrinology	Case
16/03/19	Medicine	Psychiatry	28/02/19	Medicine	Debate
23/03/19	Microbiology	Physiology	07/03/19	Nephrology	Case
13/04/19	Nephrology	Paediatrics	14/03/19	Neurology	Debate
20/04/19	Neurology	Plastic surgery	21/03/19	Neurosurgery	Case
04/05/19	Neurosurgery	Radio Diagnosis	28/03/19	Nuclear Medicine	Debate
11/05/19	Nuclear Medicine	Radiotherapy	04/04/19	Oncology (Medical)	Case
18/05/19	OBG	Rheumatology	11/04/19	Oncology (Surgical)	Debate
01/06/19	Oncology (Surgical)	Transfusion Medicine	18/04/19	Radiotherapy	Case
08/06/19	Oncology (Medical)	TB & RD	25/04/19	Pathology	Debate
15/06/19	Ophthalmology	Urology	02/05/19	Anaesthesiology	Case
22/06/19	Pathology	Anaesthesiology	09/05/19	Urology	Debate
06/07/19	Pharmacology	Anatomy	16/05/19	Emergency Medicine	Case
13/07/19	Psychiatry	Biochemistry	23/05/19	Cardiology	Debate
20/07/19	Physiology	Cardiology	30/05/19	Medicine	Case
03/08/19	Paediatrics	CT Surgery	06/06/19	Endocrinology	Debate
10/08/19	Plastic Surgery	Community Medicine	13/06/19	Neurology	Case
17/08/19	Radio Diagnosis	Dentistry	20/06/19	Nephrology	Debate
24/08/19	Radiotherapy	Dermatology	27/06/19	Nuclear Medicine	Case
07/09/19	Rheumatology	Emergency Medicine	04/07/19	Neurosurgery	Debate
14/09/19	Transfusion Medicine	Endocrinology	11/07/19	Oncology (Surgical)	Case
21/09/19	TB & RD	ENT	18/07/19	Oncology (Medical)	Debate
05/10/19	Urology	Forensic Medicine	25/07/19	Pathology	Case
12/10/19	Anaesthesiology	GE (Surgical)	01/08/19	Radiotherapy	Debate
19/10/19	Anatomy	General Surgery	08/08/19	Urology	Case
02/11/19	Biochemistry	Haematology	22/08/19	Anaesthesiology	Debate
09/11/19	Cardiology	Medicine	29/08/19	Cardiology	Case
16/11/19	CT Surgery	Microbiology	05/09/19	Emergency Medicine	Debate
23/11/19	Community Medicine	Nephrology	12/09/19	Endocrinology	Case

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07/12/19	Dentistry	Neurology	19/09/19	Medicine	Debate
14/12/19	Dermatology	Neurosurgery	26/09/19	Nephrology	Case
21/12/19	Emergency Medicine	Nuclear Medicine	03/10/19	Neurology	Debate
**	**	**	10/10/19	Neurosurgery	Case
**	**	**	17/10/19	Nuclear Medicine	Debate
**	**	**	24/10/19	Oncology (Medical)	Case
**	**	**	31/10/19	Oncology (Surgical)	Debate
**	**	**	07/11/19	Radiotherapy	Case
**	**	**	14/11/19	Pathology	Debate
**	**	**	21/11/19	Anaesthesiology	Case
**	**	**	28/11/19	Urology	Debate
**	**	**	05/12/19	Emergency Medicine	Case
**	**	**	12/12/19	Cardiology	Debate
**	**	**	19/12/19	Medicine	Case
**	**	**	26/12/19	Endocrinology	Debate

[3] CLINICAL PATHOLOGICAL CORRELATION (CPC)/ CLINICO RADIOLOGICAL CORRELATION (CRC)

Last Saturday between 08:00 & 9:00 AM

Co-ordinators: For Medical Cases : Dr R. Ram, Prof. & HoD, Dept. of Nephrology.

For Surgical Cases: Dr V.V.Ramesh Chandra, Professor of Neurosurgery.

23/02/19	Cardiology	31/08/19	Neurology
30/03/19	General surgery	28/09/19	Surgical Oncology
27/04/19	Medicine	26/10/19	Medical Oncology
25/05/19	Surgical GE	30/11/19	Nephrology
29/06/19	Endocrinology	28/12/19	Urology
27/07/19	Neurosurgery	**	**

[4] CME's : First Saturday between 02:00 & 04:00 PM

05/01/19	Physiology, Pathology & Forensic medicine
02/02/19	ENT, Dentistry & Ophthalmology
02/03/19	Endocrinology, Biochemistry & Pharmacology
13/04/19 2nd Sat.	Haematology, Emergency Medicine & Transfusion Medicine
04/05/19	Microbiology, Community Medicine & Rheumatology
01/06/19	Nephrology, Urology & OBG
06/07/19	Medical Oncology, Surgical Oncology & Radiotherapy
03/08/19	Medicine, Paediatric & TB & RD
07/09/19	Neurology, Neurosurgery & Psychiatry
05/10/19	Anaesthesiology, Cardiology & CT Surgery
02/11/19	Anatomy, Surgical Gastroenterology & General Surgery
07/12/19	Nuclear Medicine & Radiology

[5] QUIZ

Annual Medical Quiz will be held every year in the month of February

Organizers

Dr Alok Sachan, Dr Mutheeswaraiyah,
Dr M. Ranadheer Gupta under the
co-ordination of Dr A. Mohan

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6.6 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)		Super Specialties (DM/MCh)	
Dr P.V.L.N.Srinivasa Rao Dean and Sr. Prof. & HoD of Biochemistry	Chairman	Dr T.S. Ravikumar Director-cum-VC	Constituting authority
Dr T.C. Kalawat, Registrar	Member	Dr P.V.L.N.Srinivasa Rao Dean and Sr. Prof. & HoD of Biochemistry	Chairman
Dr M. Hanumantha Rao Principal, SPMC (W)	Member	Dr D. Rajasekhar Sr. Prof. & HoD of Cardiology	Member
Dr Alladi Mohan Prof. & HoD of Medicine	Member	Dr Alok Sachan Prof. & HoD of Endocrinology	Member
Dr A.Y. Lakshmi Prof. & HoD of Radiology	Member	Dr Abha Chandra Prof. & HoD of CT Surgery	Member
Dr K.V. Sridhar Babu Prof. & HoD of IHBT	Member	Dr T. Kannan Prof. & HoD of Medical Oncology	Member
Dr H. Narendra Controller of Examinations	Special Invitee	Dr H.Narendra Controller of Examinations	Member
		Dr V.V. Ramesh Chandra Prof. of Neurosurgery	Member

The meetings for the following thesis protocols of the Post Graduate Residents admitted during 2017-18 academic year for Broad speciality (S.No. 401 to 436) was held on 17th & 22nd January, 2018 and for Super speciality (S.No.437 to 459) was held on 4th & 6th April, 2018 and were cleared by the respective Committees.

Institutional Ethics Committee (IEC)

The committee was constituted with the following members. For the year 2018, 132 proposals (S.Nos.704 to 837) were assessed which were received from the Postgraduates and faculty. The IEC got recognized by the Drug Controller General, India (Ref. no. ECR/488/Inst/AP/2013/RR-16, dt.: 06-03-2017).

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

Research committee (RC)

The Research Committee was constituted to assess the research proposals of the faculty prior to their submission to IEC. The research proposals forwarded to the funding agencies are scrutinized. The drug trials to be carried out by the faculty are also assessed periodically. The research proposals of external researchers under the supervision of a co-guide of the Institute who shall be the faculty of SVIMS, are also assessed before granting permission. For the year 2018, 52 proposals (S.No. 351 to 402) were assessed. The committee is constituted with the following members and meetings were held regularly on every 4th Thursday of each month and the agenda assessed is as detailed below::

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

Post Graduate students (MD/DM/MCh)

TPAC No.	Title	Submitted by	Guide	IEC No.	RC. No. No.	SBAVP Grant Rs.
359	Novel urinary biomarkers for early detection of diabetic nephropathy in patients with type 2 diabetes mellitus	Dr N. Lakshmana MD (Biochemistry)	Dr PVLN Srinivasa Rao	590	311 310	
-	A randomized controlled study of quilting and axillary lymphatic vessel ligation VS. conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer	Dr V. Naresh Kumar Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	706	-	-
-	A study of markers of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease patients on peritoneal dialysis	Dr N. Sai Sameera Postgraduate Senior Resident in DM (Nephrology)	Dr R.Ram	711	393	49,240
401	Intraperitoneal instillation of dexmedetomidine or clonidine with bupivacaine for post-operative analgesia following laparoscopic cholecystectomy: a prospective, randomized double blind, placebo control study	Dr Thottikat Kaarthika Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Aloka Samantaray	718	-	-
402	The effect of dexmedetomidine as an adjuvant to ropivacaine for wound infiltration in providing postoperative analgesia for open abdominal surgeries	Dr C. Sumadhu Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Aloka Samantaray	719	-	-
403	Comparison of the efficacy of three different opioids as adjuvants to hyperbaric bupivacaine for subarachnoid block in lower limb orthopedic surgeries – a prospective randomized and double blind study	Dr M. Kiranmaye Postgraduate Junior Resident in MD (Anaesthesiology)	Dr P. Janakisubhadra	720	-	-
404	A comparative study of desflurane and fentanyl with propofol and fentanyl on intraoperative anaesthetic requirement, postoperative analgesia and recovery profile	Dr Bhanuprakash Postgraduate Junior Resident in MD (Anaesthesiology)	Dr N. Hemanth	721	-	-

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405	Validation of surgical APGAR score in Abdominal surgeries in a tertiary care teaching hospital in South India	Dr Yadhu Bhushanam K Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Aloka Samantaray	722	-	-
406	A comparative study on the effects of propofol and etomidate on haemodynamic stability, seizure duration and recovery profile during ECT	Dr E. Mahesh Postgraduate Junior Resident in MD (Anaesthesiology)	Dr Andal Venkatraman	723	-	-
407	Postoperative delirium in cardiothoracic surgical patients: A prospective observational study	Dr K. Gayathri Devi Postgraduate Junior Resident in MD (Anaesthesiology)	Dr M. Hanumantha Rao	724	-	-
408	Comparison of two doses of fentanyl on characteristics of bupivacaine subarachnoid block in infraumbilical surgeries – A randomized prospective double blind study	Dr V. Joshna Postgraduate Junior Resident in MD (Anaesthesiology)	Dr M. Hanumantha Rao	725	-	-
409	The patient characteristics, adverse events and outcome following elective intracranial surgeries in a tertiary care hospital A prospective observational study	Dr G. Sujani Postgraduate Junior Resident in MD (Anaesthesiology)	Dr M. Hanumantha Rao	726	-	-
410	Study of KRAS, MLH1, MSH2 and MSH6 mutations in colorectal adenocarcinoma using immunohistochemistry	Dr Burada Soumia Postgraduate Junior Resident in MD (Pathology)	Dr N. Rukmangadha	727	-	-
411	Molecular characterization of malignant epithelial ovarian tumours with the help of IHC markers KRAS, BRAF, PTEN, PIK3CA & P53	Dr Ejju Krishna Chaithanya Postgraduate Junior Resident in MD (Pathology)	Dr Amit Kumar Chowhan	728	-	-
412	A study to evaluate the usefulness of rapid antigen detection in comparison to REAL TIME PCR for diagnosis of influenza virus infection in clinically suspected patients with influenza like illness in a tertiary care hospital, SVIMS, Tirupati	Dr Vangara Harika Postgraduate Junior Resident in MD (Microbiology)	Dr Usha Kalawat	732	372	50,000
413	Utility of 18F-FDG PET/CT in management of pancreatic and periampullary masses	Dr S. Chandra Teja Reddy Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	729	367	11,16,000
414	Role of 99mTc Sestamibi Scinti-Mammography in predicting response to neoadjuvant chemotherapy in treatment naïve, biopsy proven patients with locally advanced breast cancer	Dr Jeepalem Sai Moulika Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	730	368	2,39,500
415	Role of 18F FDG PET CT in characterizing solid renal mass lesions and treatment planning	Dr K.B. Sricharan Postgraduate Junior Resident in MD (Nuclear Medicine)	Dr T.C. Kalawat	731	369	5,40,000
416	A comparative study of hypofractionated radiotherapy versus conventionally fractionated radiotherapy in post mastectomy breast cancer patients	Dr G.V. Deepthi Postgraduate Junior Resident in MD (Radiotherapy)	Dr B.V. Subramanian	733	-	-
417	A prospective study of comparison between accelerated fractionation radiotherapy and concurrent chemoradiotherapy in the treatment of carcinoma uterine cervix	Dr Chevireddy Praneetha Postgraduate Junior Resident in MD (Radiotherapy)	Dr Pranabandhu Das	734	-	-

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418	A study of the burden of diabetes mellitus in patients with sputum-smear positive pulmonary tuberculosis	Dr M. Krishna Kumar Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	735	-	-
419	Clinical profile of polycystic ovarian syndrome (PCOS)	Dr R. Suryudu Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	736	-	-
420	Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study	Dr G. Harshavardhan Reddy Postgraduate Junior Resident in MD (Medicine)	Dr G. Sadasivaiah	737	-	-
421	A study of microalbuminuria in sepsis with reference to acute physiology and chronic health evaluation II (APACHE II) score in patients admitted to a medical intensive care unit (MICU)	Dr M. Ganesh Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	738	395	1,75,500
422	A study of prevalence and determinants of thyroid dysfunction in patients with type 2 diabetes mellitus in a tertiary care hospital	Dr Devika Reddy Vakkakula Postgraduate Junior Resident in MD (Medicine)	Dr G. Sadasivaiah	739	-	-
423	Study of diagnostic accuracy of xpert MTB/RIF in various forms of tuberculosis	Dr C. Rahul Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	740	-	-
424	Effect of hyperglycemia on outcome of critically ill patients	Dr T. Sowjanya Lakshmi Postgraduate Junior Resident in MD (Medicine)	Dr D.T. Katyarmal	741	-	-
425	A study on clinical profile evaluation and management of rapidly progressive glomerulonephritis	Dr T. Neeharika Postgraduate Junior Resident in MD (Medicine)	Dr B. Siddhartha Kumar	742	-	-
426	Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalization: a prospective study	Dr Vasili Pradeep Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	743	384	50,000
427	Role of colour Doppler ultrasound and MDCT angiography in the evaluation of peripheral arterial disease	Dr Kiran Kumar K Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijayalakshmi Devi	744	-	-
428	A comparative study of clinical, MRI and arthroscopic evaluation of internal derangements of knee	Dr N. Siva Sahas Reddy, Postgraduate Jr. Resident in MD (Radiology)	Dr A.Y. Lakshmi	745	-	-
429	Correlation of placental thickness with gestational age and fetal weight by ultrasonography	Dr Suneel N Postgraduate Junior Resident in MD (Radiology)	Dr Silpa Kadiyala	746	-	-
430	Diagnostic efficacy of Ultrasound and MRCP in obstructive jaundice	Dr Satyanarayana Goud Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijayalakshmi Devi	747	-	-
431	Foetal kidney length as a parameter for determination of gestational age and its comparative evaluation with other foetal biometric indices	Dr S. Vinod Kumar Postgraduate Junior Resident in MD (Radiology)	Dr B. Vijayalakshmi Devi	748	-	-

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432	Predicting clinical outcome in patients with acute pulmonary embolism by using morphological parameters on computed tomography pulmonary angiography in comparison with clinical outcome	Dr Chandana Bimineni Postgraduate Junior Resident in MD (Radiology)	Dr A.Y. Lakshmi	749	-	-
433	Colour Doppler ultrasound and multidetector CT angiographic study for the evaluation of arterio venous access related vascular complications in patients of chronic kidney disease	Dr Settem Theja Postgraduate Junior Resident in MD (Radiology)	Dr A.Y. Lakshmi	750	394	3,40,775
-	Burden of drug-resistant tuberculosis in previously treated patients with pulmonary tuberculosis	Dr Anjali Praveen Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	-	354	13,410
-	Demographic characteristics, clinical presentation, risk factors and pathological types of lung cancer: a prospective study	Dr M. Soumya Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	-	355	13,410
-	A study on association of CYP2C9 polymorphisms with phenytoin toxicity	Dr Rakesh Reddy. R Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	-	359	50,000
-	Study of burden, clinical characteristics, method of confirmation of diagnosis and treatment outcome in patients with extra pulmonary tuberculosis	Dr G. Niveditha Postgraduate Junior Resident in MD (Medicine)	Dr A. Mohan	-	360	13,410
-	To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas	Dr A. Sunnesh Reddy Postgraduate Senior Resident in DM (Nephrology)	Dr R. Ram	-	362	50,000
434	Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus	Dr Keerthi Thej Mitta Postgraduate Junior Resident in MD (Biochemistry)	Dr Aparna R. Bitla	751	370	50,000 40,650
435	Comparison of performance of SOFA and qSOFA scoring system in critically ill patients at the time of admission in emergency department	Dr K. Navakiran Reddy Postgraduate Junior Resident in MD (Emergency Medicine)	Dr M. Madhusudhan	752	-	-
436	Clinical profile of Hypertensive patients presenting to Emergency Department	Dr Vinayaka Yerra Postgraduate Junior Resident in MD (Emergency Medicine)	Dr M. Madhusudhan	753	-	-
-	Fetal transcerebellar diameter to abdominal circumference ratio (TCD/AC) and to femur length ratio (TDC/FL) in the assessment of normal fetal growth	Dr K. Ashok Hussain Postgraduate Junior Resident in MD (Radiology)	Dr. A.Y. Lakshmi	754	-	-
437	Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease	Dr Raghuram Bollineni Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	775	382	30,360
438	Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy	Dr Vechalapu Ravindra Dev Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	776	-	-

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439	Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in patients with acute ST elevation myocardial infarction	Dr Nagaraja Reddy Challa Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	777	-	-
44	Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis	Dr Raja Naga Mahesh .M Postgraduate Senior Resident in DM (Cardiology)	Dr D. Rajasekhar	778	-	-
441	Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes	Dr Sandeep Ganta Postgraduate Senior Resident in DM (Endocrinology)	Dr Alok Sachan	779	383	7,44,500
442	Body composition and mediators of energy homeostasis in hyperthyroidism	Dr Avinash Patil Postgraduate Senior Resident in DM (Endocrinology)	Dr V. Suresh	780	381	6,80,800
443	Gonadal function and body composition in adult men with non diabetic chronic kidney disease (predialysis)	Dr Raja Amarendra Muthina Postgraduate Senior Resident in DM (Nephrology)	Dr R. Ram	781	-	-
445	A study of prognostic significance of increased mean platelet volume and platelet distribution width in patients with cerebral venous sinus thrombosis	Dr Madineni K. Usha Chowdary Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	782	-	-
446	A study on stroke awareness and factors delaying thrombolytic therapy in acute ischemic stroke patients at a tertiary care hospital	Dr Tirupati Kedar Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	783	-	-
447	Comparision of frequency of motor and non motor symptoms in young onset versus late onset andomize disease	Dr Manideep Malaka Postgraduate Senior Resident in DM (Neurology)	Dr B. Vengamma	784	-	-
448	Serum procalcitonin versus CRP levels as early diagnostic markers of sepsis in cancer patients with febrile neutropenia	Dr Lakshmi Priyadarshini .K Postgraduate Senior Resident in DM (Medical Oncology)	Dr T. Kannan	785	385	80,000
449	Change in receptor status after neoadjuvant chemotherapy in breast cancer and its prognostic significance	Dr Vandanasetti Santhosh Postgraduate Senior Resident in DM (Medical Oncology)	Dr T. Kannan	786	-	-
444	A study of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease pre dialysis patients	Dr Naveen Kumar Koppara Postgraduate Senior Resident in DM (Nephrology)	Dr R. Ram	787	-	-
450	Study of clinical profile and outcomes in patients with supratentorial spontaneous intra-cerebral hemorrhage	Dr Nitin M. Barde Postgraduate Senior Resident in MCh (Neurosurgery)	Dr BCM Prasad	762	-	-
451	Prospective study of complications in neurosurgery and their impact on the health related quality of life	Dr Kunal Kumar Postgraduate Senior Resident in MCh (Neurosurgery)	Dr BCM Prasad	763	-	-
452	Comparison between OLIF and MIS TILFTILF for lumbar spondylolisthesis: A andomized controlled trial	Dr Goutham Hanu .T Postgraduate Senior Resident in MCh (Neurosurgery)	Dr BCM. Prasad	764	-	-

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453	Role of intra-operative amylase concentration in peri-pancreatic fluid in predicting post-operative pancreatic fistula after pancreaticoduodenectomy	Dr Sravanti Balaga Postgraduate Senior Resident in MCh (Surgical Gastroenterology)	Dr V. Venkatarami Reddy	765		
454	A prospective study to assess the involvement of lesser sac and the role of lesser omentectomy in the management of advanced epithelial ovarian cancers	Dr Bhavya Bayana Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	766		
455	Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients	Dr S. Nagesh Kumar Postgraduate Senior Resident in MCh (Surgical Oncology)	Dr H. Narendra	767	396	11,30,400
456	S.T.O.N.E. Nephrolithometry score as a tool to predict stone clearance rates in patients undergoing percutaneous nephrolithotomy	Dr Naveen Goyal Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	768		
457	Study of factors predicting impacted nature of ureteric stones in patients undergoing ureteroscopic lithotripsy (URL)	Dr Suraj Pinni Postgraduate Senior Resident in MCh (Urology)	Dr Anil Kumar	769		
458	To evaluate the safety and efficacy of OTIS urethrotomy in patients undergoing transurethral resection of prostate gland	Dr A. Yagneshwar Sharma Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	770		
459	A study the outcomes of renal function in patients of chronic kidney disease following percutaneous nephro lithotomy for symptomatic renal calculus disease	Dr Tushar Sharma Postgraduate Senior Resident in MCh (Urology)	Dr N. Anil Kumar	771		
-	Study of Immunohistochemical profile of nodal non Hodgkin Lymphoma in a tertiary care centre	Dr Pabpu Architha Postgraduate Junior resident in (Pathology)	Dr N. Rukmangada	-	-	50,000
-	Differential expression of CK7,CK20, CDX2 in intestinal and pancreatobiliary type of periampullary carcinoma	Dr U. Divya Sree Postgraduate Junior resident in (Pathology)	Dr Aruna K Prayaga	-	376	50,000
-	A study on training in peritoneal dialysis for Nephrology residents/ Postgraduates in India	Dr N. Sai Sameera Postgraduate Senior resident in (Nephrology)	Dr R. Ram	796	374	
-	Comparison of two methods for measurement of serum bicarbonate	Dr Keerthi Thej Mitta, PG Junior resident in (Biochemistry)	Dr Aparna R. Bitla	833		
-	Comparison of two methods for measurement of serum chloride	Dr Keerthi Thej Mitta PG Junior resident in (Biochemistry)	Dr Aparna R. Bitla	834	-	-

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MBBS, MSc and Research Scholars of SVIMS and neighboring Universities

S. No.	Title	Submitted by	Guide	IEC No.	R.C. No.
1.	Assessment of knowledge, Attitude and Practices (KAP) associated with chronic kidney disease (CKD) among undergraduate students in different universities of Tirupati.	Bhavana Kolli MBBS 3rd year, SPMC (W)	Dr A. Sunitha	712	
2.	Study of serum magnesium levels in patients with type 2 diabetes mellitus	G. Nimeesha M.Sc. Medical, (Biochemistry)	Dr V.S. Kiranmayi	713	389
3.	Study of association of vitamin D levels with glycemic control in patients with type 2 diabetes mellitus	P. Santhosh Kumar M.Sc. Medical (Biochemistry)	Dr V.S. Kiranmayi	714	-
4.	Study of serum myeloperoxidase activity in patients with type 2 diabetes mellitus and its association with subclinical atherosclerosis	B. Hymavathi M.Sc. Medical (Biochemistry)	Dr V.S. Kiranmayi	715	390
5.	To study physiological principles of membrane transport characteristics with the help of peritoneal equilibration test and its applications in the dialysis, prescription for the patients of end stage renal disease on chronic peritoneal dialysis program (CPD)	T. Pushpa Latha M.Sc. Medical, (Physiology)	Dr M. Sharan B. Singh	716	
6.	Early detection of diastolic dysfunction in asymptomatic patients with type 2 diabetes mellitus	E. Harshavardhan Naik M.Sc Medical, (Physiology)	Dr M. Sharan B. Singh	717	
7.	In silico identification of potential targets, vaccine candidates and inhibitor design against Mycobacterium tuberculosis	N. Ravina Madhulitha Research Scholar (Bioinformatics)	Dr A. Umamaheswari	759	
8.	Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea	R. Sri Aryavalli (MBBS 4th sem.) SPMC(W)	Dr D. Ravi Sankar	760	
9.	Seroprevalence of Toxoplasma gondii infection in psychiatric patients of a tertiary care hospital	G. Mamatha MBBS final SPMC(W)	Dr B. Sivanandh	761	
10.	Identification and speciation of non-fermentative gram-negative bacilli and their antibiogram in a tertiary care hospital, SVIMS, Tirupati	S. Nagaraju M.Sc III year (Microbiology)	Dr N. Ramakrishna	773	
11.	A study of anti-streptolysin-O and C-reactive protein titer among patients having Beta hemolytic streptococcal infection	V. Lavanya M.Sc III year (Microbiology)	Dr K.K. Sharma	774	
12.	Comparative study to assess the role of yoga practice on blood glucose levels of type 2 diabetes mellitus patients in a tertiary care institution in Tirupati	T. Poojs Sree MBBS, II year SPMC (W)			791
13.	Nasal carriage of antibiotic resistant staphylococci among undergraduate medical students, with special reference to methicillin resistant staphylococcus aureus (MRSA)	M.V.V. Preethika MBBS, IV Semester SPMC(W)	Dr Abhijit Chaudhury	793	

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14.	A study on the genetic diversity of mycobacterium tuberculosis complex isolated from previously treated sputum smear positive patients with pulmonary tuberculosis	Mr. A. Srikar Research Scholar (Microbiology)	Dr Abhijit Chaudhury	797	
15.	Pharmacotherapeutic management in patients with lupus nephritis with immunosuppressants	B. Aiswarya, K. Asha, M. Sairenuka N. Siva Sai Ganesh V- Pharma D, Krishna Teja Pharmacy College	Dr V. Jayashankar Reddy Dr V. Siva Kumar	798	
16.	Effect of bisphosphonates on bone mineral density in postmenopausal women with osteoporosis – A Retrospective study	K. Harika, M. Prathyusha S. Divyasree, R. Praveen V- Pharma D, Krishna Teja Pharmacy College	Dr S. Suman Dr V. Suresh	799	
17.	A retrospective study of thyroid dysfunction among patients with type -2 diabetes mellitus – South Indian perspective	A. Bala Pavan G. Baby Shreshta M. Sravana Lakshmi, R. Jayasree, V- Pharma D, Krishna Teja Pharmacy College	Dr K. Prasanna Lakshmi Dr P. Sai Krishna Chaitanya	800	
18.	A retrospective study on Pharmacotherapeutic management of viral infections in post renal transplantation recipients	P. Theja Sree B. Chaitanya Srinivas K. Jamuna Rani, V- Pharma D, Krishna Teja Pharmacy College	Dr Chintha Mohana Dr R. Ram	801	
19.	A prospective study on prescribing patterns and adverse drug reactions in pulmonary hypertension	G. Ramya Kumari, R. Ganesh Kumar Reddy Y. Uday Sree, P. Meghana V- Pharma D, Krishna Teja Pharmacy College	Dr K. Uma Sankar Dr D. Rajasekhar	802	
20.	A study on prescribing patterns of anticonvulsant drugs in epilepsy in a tertiary care hospital, SVIMS, Tirupati	M. Chaitanya, S. Muni Bharathi. SK. Karishma V- Pharma D, Krishna Teja Pharmacy College	Dr K.T. Naik Dr A. Mohan	803	
21.	A study on prescribing patterns of anti-hypertensives in chronic kidney disease with hypertension: A prospective study	G. Divya Sai, N. Suma, Y. Bhargavi, A Lohitha V- Pharma D, Krishna Teja Pharmacy College	Dr G. Sai Sri Harsha Dr A. Mohan	804	
22.	A cross- sectional study to assess attitude of psychiatric patients towards psychiatric medications in a tertiary care hospital	M. Ravali, A Sai Kiran, V. Sai Nelatha, CM. Sreelekha, V- Pharma D, Seven Hills College of Pharmacy	Dr Robbin George Dr B. Sivanandh	805	
23.	Burden of comorbidities and their treatment in patients with active tuberculosis – A prospective observational study	T. Muni Suneel Babu, B. Naga Sreeja Prasad T. Preethi, B. Priyanka, V- Pharma D, Seven Hills College of Pharmacy	Dr M. Manasa Dr V. Manolasya	806	
24.	Adverse effects with topical corticosteroids in patients attending dermatology clinic in a tertiary care hospital – A prospective study	M. Manjusai, D.S. Moulika A. Muni Bhanu, O. Muni Krishna V- Pharma D, Seven Hills College of Pharmacy	Dr Radhika Krishnan Dr Surekha .A	807	
25.	A retrospective study on Pharmacotherapeutic management of urinary tract infection in post renal transplant recipients in a tertiary care centre	C.M. Aarif, S. Divya S. Divija, V. Gunapriya V- Pharma D, Seven Hills College of Pharmacy	Dr Geisha Merin Varghese Dr V. Siva Kumar	808	

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26.	A prospective study on pharmacological management of hypocalcaemia in patients after total thyroidectomy	T. Hari Krishna J.Joshi Sowmya Y. Mahesh Kumar Reddy, K. Manasa, V- Pharma D, Seven Hills College of Pharmacy	Dr Robin George Dr K. Kishore	809	
27.	Prescription medication use among adults with chronic low back pain: A cross sectional population based study	T. Sreenath, C. Srilatha, T. Sudharani K. Sunil Kumar Reddy V- Pharma D, Seven Hills College of Pharmacy	Dr Grace Ann Varghese Dr V.V. Ramesh Chandra	810	
28.	A prospective study on comparison of two different multifractionated Radiotherapy regimens for palliation of bone metastases in terms of pain relief and analgesic requirements	M. Trinath, K. Vsantha, B. Vijaya. V. Vishnu Priya V- Pharma D, Seven Hills College of Pharmacy	Dr Manasa Dr Swapna Jilla	811	
29.	A prospective study of chemotherapy related adverse drug reactions used in the treatment of breast cancer	D. Mukesh K. Sai Gowtham V- Pharma D Sri Vidyanikethan College of Pharmacy	Dr Mohana Lakshmi Dr D. Bhargavi	812	
30.	Assessment of quality of life in patients with locally advanced carcinoma cervix pre and post chemo-radio therapy	A. Haritha, V. Ravi Kishore N. Runaz, V. Srilatha V- Pharma D, Sri Vidyanikethan College of Pharmacy	Dr S. Navaneeth Krishna Dr Pranabandhu Das	813	
31.	A retrospective study on etiological and clinical profile of diabetes mellitus patients admitted for hypoglycemia in a tertiary care centre in South India	M. Chandrasekhar, Ch Hanuman Prasad U. Prathibha, C. Muni Sai Tarun V- Pharma D, Sri Vidyanikethan College of Pharmacy	Dr S. Vijaya Raj Dr B. Bharath	814	
32.	Prescribing patterns of antihypertensive drugs in hypertension associated with diabetes and assessment of depression, anxiety and stress in these patients.	P. Gouthm Teja R. Sasi kumar, M. Swetha P. Venugopal Reddy V- Pharma D, Sri Vidyanikethan College of Pharmacy	Dr C.K. Ashok Kumar Dr V. Vanajakshamma	815	
33.	A prospective study on drug induced weight gain and day time sedation in patients attending psychiatry out-patient department	S. Afsana, S. Hassa Mahaboob Dasthagiri K. Sindhuja, Y Harshitha V- Pharma D,, Sri Vidyanikethan College of Pharmacy	Dr B. Aswani Dr B. Sivanandh	816	
34.	Uremic pruritus-severity assessment, effect on anxiety, depression, sleep quality and pharmacotherapy in diabetic and non diabetic groups of various stages of chronic kidney disease (medical, hemodialysis, peritoneal dialysis and post renal transplant patients)	V.R. Praneetha, K. Varshitha, K. Veena Sree V- Pharma D, Sri Vidyanikethan College of Pharmacy	Dr Narahari N Palei Dr V. Siva Kumar	817	
35.	“Prescribing patterns of drugs in chronic obstructive pulmonary disease” in a tertiary care teaching hospital, Sri venkateswara institute of medical sciences (SVIMS)	N. Jincy, M. Kathyaini L. Kevika, S. Rehana V- Pharma D, Sri Vidyanikethan College of Pharmacy	Dr O. Divya Rekha Dr Bhargava	818	

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36.	To study the levels of urinary N-acetyl glucosaminidase in patients with type 1 diabetes mellitus	R.D. Priya M. Sc Medical (Biochemistry)	Dr N. Harini Devi	822	
37.	To study the association of salivary urea with oral hygiene index in pre dialysis patients with chronic kidney disease	E. Sukanya M. Sc Medical (Biochemistry)	Dr N. Harini Devi	823	
38.	Association of bone isoform of Alkaline phosphatase with glycaemic status in patients with type 2 diabetes mellitus	B. Sandhya M. Sc Medical (Biochemistry)	Dr N. Harini Devi	824	

Research protocols of the faculty of SVIMS

IEC No.	Title	Principal Investigator	Res. Com. No.
221	A randomized, double-blind, placebo-controlled, event-driven trial of quarterly subcutaneous canakinumab in the prevention of recurrent cardiovascular events among stable post-myocardial infarction patients with elevated hsCRP	Dr D. Rajasekhar Sr. Professor & HoD Cardiology	-
704	A study on intraocular pressure in Graves disease	Dr K. Swathi, Asst. Professor Ophthalmology	361
705	A study of 2017 influenza outbreak with detection and molecular characterization of various respiratory viruses in respiratory samples of patients with influenza	Dr Usha Kalawat, Assoc. Professor Microbiology	-
707	Analysis of patient safety & Quality improvement initiatives at SVIMS	Dr T.S. Ravikumar Director-cum-VC, SVIMS	
708	Determination of acute and chronic viral hepatitis burden among different population cohorts with molecular characterization of Hepatitis A,B,C,D and E viruses	Dr Usha Kalawat Professor Microbiology	
709	Study of genetic polymorphism in kinase domain of BCR-ABL gene in chronic myeloid leukemia (CML) patients	Dr C. Chandra Sekar Assoc. Professor, Hematology	
-	A study of BMD and factors affecting BMD in type 1 diabetes mellitus	Dr Alok Sachan Prof. & HoD, Endocrinology	318
755	Prevalence of delirium among elderly intensive care patients at a tertiary care centre	Dr M. Nagarathnam Assoc. Professor College of Nursing	320
-	To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas	Dr R. Ram Professor & HoD Nephrology	344
710	Profile of primary paediatric brain and spinal cord lesions from a tertiary care hospital in South India	Dr Amith Kumar Chowhan Assoc. Professor, Pathology	351
-	Disturbed eating behaviors in patients with type 1 diabetes mellitus	Dr V. Suresh Professor, Endocrinology	352
-	Burden of drug-resistant tuberculosis in previously treated patients with pulmonary tuberculosis	Dr A.Mohan Professor & HoD, Medicine	353
756	Procedural skills assessment of resident performed laparoscopic cholecystectomy by direct observation and video observation: A pilot study	Dr Siva Rama Krishna Gavini Assoc. Professor Surgical Gastroenterology	

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757	Bioethical issues in robotic surgery	Dr Siva Rama Krishna Gavini Assoc. Professor Surgical Gastroenterology	
758	Ethical issues in patients discharged against medical advice	Dr Siva Rama Krishna Gavini Assoc. Professor, SGE	
772	Analysis of spontaneously reported percutaneous adverse drug reactions in a tertiary care teaching hosp. in South India	Dr K. Vijaya Chandra Reddy Asst. Professor, Pharmacology	
788	Effect of rosuvastatin on the anti-atherogenic effect of high density lipoprotein in pre and post menopausal women type 2 diabetes mellitus	Dr Aparna R Bitla Professor , Biochemistry	347 3,12,300/-
- 789	Targeted next generation sequencing based identification of genetic polymorphisms in myocardial infarction Role of apoptosis-related biomarkers intercellular adhesion molecule-1 and plasminogen activator inhibitor 1 in benign and malignant breast carcinoma	DR V. Vanajakshamma Professor, Cardiology Dr N. Harini Devi Asst. Professor Biochemistry	365 366 78,300/-
790	Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism on treatment with thyroxine	Dr VS. Kiranmayi Asst. Professor Biochemistry	365 1,32,000/-
792	To determine the proportion of primary and secondary dengue cases in samples of suspect dengue cases referred to DHR/ICMR VRDLs & ICMR Institutes for laboratory confirmation	Dr Usha Kalawat Professor Microbiology	
794	Study of primary extranodal monhodgkin's lymphomas using immunohistochemistry: A retrospective study from a tertiary care center	Dr N. Rukmangadha Assoc. Professor Pathology	
795	Virus Research and Diagnostic Laboratory (VRDL), SVIMS, Tirupati,A.P.	Dr Usha Kalawat Professor, Microbiology	
819	Monitoring of dengue and chikungunya viruses circulating in India for changes in the serotypes, genotype and lineages utilizing Viral Research & Diagnostic laboratories network	Dr Usha Kalawat Professor Microbiology	
820	ICMR – National heart failure registry Sr. Professor & HoD, Cardiology	Dr D. Rajasekhar	
821	Evaluation of S100 β gene expression (a key regulator in the development of astrocytes) in the glioblastoma (GB) cell line development from the tissue obtained from Glioblastoma patients	Dr PVGK Sarma Assoc. Professor Biotechnology	
825	School Environment and sanitation: Comparative study	Dr Anju D. Ade Professor, Community Medicine	
826	Profile of HIV Positive persons attending Integrated Conselling and Testing Center of SVIMS, Tirupati	Dr Anju D. Ade Professor, Community Medicine	
827	Assessment of adverse drug reactions to Anti-Cancer drugs in a tertiary care hospital in South India	Dr Pilla S Surya Durga Devi Patient Safety Pharmacovigilance Associate	
829	A cross sectional study on the prevalence of premenstrual syndrome and premenstrual dysphoric disorder and various coping strategies used by students in a womens Medical College from South India	Dr Sivanandh .B Assoc. Professor Psychiatry	
832	Evaluation of reduction in Multidrug resistance after implementation of an antimicrobial stewardship program & infection control practices among ICU's in a tertiary care hospital in India	Dr R. Jayapradha Asst. Professor Microbiology	398
-	Creating happy communities through health	Dr T.S. Ravikumar Director-cum-VC, SVIMS	
837	Prevalence, risk factors and laboratory diagnosis of non tuberculous mycobacterial (NTM) disease: a multicentre study	Dr A Mohan Prof. & HoD, Medicine	

6.7 Events at SVIMS

1. **69th Republic Day celebrations** were held on 26.01.2018. The Director-cum-VC addressed the gathering. The employees who rendered good services were honored with merit certificates and cash prizes. The institute calendar with schedule of academic events was also released on the occasion



2. **World cancer day** was observed on 04.02.2018. A public awareness programme and mega medical camp was organized at Naravaripalli. About 23 doctors, 11 Nursing and 32 other supporting staff from SVIMS attended the camp. About 846 patients utilized the services, Health education programmes and received Medicine at free of cost.



3. **The sports day** was conducted on 18.02.2017 in connection with the 25th anniversary celebrations of the University, which was inaugurated by Dr M. Kantha Rao, IPS, DIG, Anti task force for red sanders



4. **The International Women's day** was celebrated at SVIMS, the Director-cum-VC addressed the women gathered on the measures to be taken on prevention of cancer. Dr Vydehi Kaja, University of Texas, USA was also attended.



5. **World Kidney Day** was observed on 09.03.2018. An awareness programme was conducted on Kidney disease in the JNM High School for Children, Tirupati.



6. **World Tuberculosis Day** was conducted on 24.03.2018 The Director-cum-VC and Professor & HoD Department of Medicine spoke on current updates on TB control.

7. **“World Health Day”** was observed on 07.04.2018. A public awareness programme was jointly organized by the Departments of Community Medicine and College of Nursing on the theme **“Universal Health Coverage: Everyone Everywhere”**. On this occasion guest talks were organized on the topics: Universal Immunization Coverage – Status Globally and in India by Dr Anjana P, Surveillance Medical Officer, Nellore; Significance of Primary Health care in Universal Health coverage by Dr G. Kalyan Chakravarthy, Medical Officer, Naravari palli.



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8. **108th International Nurses day** was celebrated on 12.05.2018. The Director cum VC is seen inaugurating the function and addressing the Nursing staff. The Nurses are seen, talking the pledge.



9. **World Voluntary blood donor day** was celebrated on 14.06.2018. Sri Aruna Sulochana Devi, Addl. DM & HO (A & L) Chittoor District was invited as Guest of Honor and addressed the gathering.
10. **5th International Yoga day** was observed on 21.06.2018 to bring awareness on practicing yoga among the students, staff & faculty.



11. **PG orientation programme** was held on 18.09.2018 for 2018-19 batch of PG residents (MD/DM/MCh). The Director-cum-VC, HoD's, Faculty and administrative heads made a presentation on facilities, procedures available in their Departments. The Resident Manual 2018 was released and distributed to PG's.



12. **72nd Independence Day Celebrations** were held on 15.08.2018. Dr. T.S.Ravikumar hoisted the flag, administered pledge and gave message to the faculty, staff, students for rededicating their services to humanity.



13. **World physiotherapy day** was observed on 08.09.2018. The Director cum VC, Dr TS Ravikumar inaugurated and garlanded MS Mary Mc Million, founder of Physiotherapy and gave his valuable message for Doctors, Students & Staff on this occasion.

14. **World Heart day** was organized and an awareness programme was conducted on 29.09.2018. The Director-cum-VC is seen addressing the patients and public to protect themselves from heart diseases.



15. **Freshers day** was celebrated on 23.10.2018. The Director-cum-VC addressed the students and administered a pledge to the freshers. The winners in sport and cultural events were awarded prizes.



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16. **Antiragging awareness** programme was conducted on 31-10-2018 for MBBS students. Sri M. Muniramaiah, Deputy Superintendent of Police is seen addressing the senior students about the punishments for Ragging and Cyber Laws



17. **Vigilance awareness programme** was organized on 04.11.2018. The Director-cum-VC took "integrity pledge" from the employees.



18. **World Diabetes day**: On the occasion of World Diabetes day an awareness programme was organized on 14.11.2018



19. **World AIDS day** was observed on 01.12.2018. The Director cum VC, faculty and students of the University are seen participating in the rally.



20. **World Cancer Day** was observed on 04-02-2018. The Director-cum-VC is seen inaugurating the public rally

6.8 Sports Report

The University Sports Board led by Dr. Sharan B Singh, Prof & HoD of Physiology & Mr. B.A. Madhubabu, Physical Director was very active in organizing various sports and games activities and participating in Inter University, National and State level competitions for the year 2018.

Inter University Sports & Games events

The students of SVIMS University participated in various All India, South Zone Inter University National Level competitions. The Physical Director, Team Managers and Coaches of Neighbouring Universities helped in training and accompanied the students to participate in the tournaments. The list of events participated by the students of SVIMS for the year 2018 is as follows:

Event	Organized by	Date	Result
Cricket (Men)	Andhra University, Visakhapattanam, AP	03-01-18	Participation
Kho-Kho (Men) South Zone	S.V. University Tirupati, AP	25-10-18	Participation
Volley ball (Women) South Zone	KL University, Gunturu, AP	14-10-18	Participation
All India athletics (Men & Women)	Mangalore University, Mangalore, KA	24-11-18	Participation
Table Tennis (Men) South Zone	Geetham University, Visakhapattanam, AP	03-12-18	Participation
Badminton (Women) South zone	VIT, Vellore, TN	12-12-18	Participation
Kabaddi (Men) South Zone	SRM University, Chennai	19-12-18	Participation
Hand Ball (Men) South Zone	Rayalaseema University, Kurnool, AP	22-12-18	Participation

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AP State level CM'S CUP Tournaments:

Event	Organized by	Date	Result
Volley All (Women)	Sri Padmavathi Mahila University, Tirupati, (AP)	14-10-18	Participation
Badminton (Men Women)	Veterinary University Tirupati (AP)	23-10-18	Participation
Badminton (Women)	Veterinary University Tirupati (AP)	23-10-18	4th Place
Kho- Kho (Men & Women)	S.V.University Tirupati-(AP)	24-10-18	Participation
Volley All (Men)	Krishna University, Machilipattanam (AP)	02-11-18	Participation
Table Tennis (Men)	KL University, Gunturu (AP)	13-11-18	Participation
Athletics (Men & Women)	Acharya Nagarjuna University, Gunturu (AP)	16-11-18	Participation & Bronze Medal In Pole-vault Ms. C.Swathi, Sc.(N)
Cricket (Men)	Sri Krishna Devaraya University, Anantapuramu (AP)	03-01-18	participation
Kabaddi (Men)	JNTU - Kakinada (AP)	10-12-18	Participation

6.9 UNIFEST -2018

On the occasion of 25th Silver Jubilee Celebrations of Anniversary and UNIFEST Celebrations, Sports and Games competitions were held during Jan-Feb 2018. During the competitions, the staff, their children and students actively participated. The winners of the competitions are as follows:

Champions in various sports and games:

S.No	Event Name	Category	Winner Champion	Runners Champion
1	Throw Ball (Women)	Staff	Mrs. Ramanamma, HN & Team	Mrs. Sarada Devi, HN & Team.
2	Badminton (Women)	Staff	Dr.V.Sreekumari, Asst. Prof. & Dr. Kavitha, Tutor, COP	Dr. Janaki Subadra, Assoc. Prof. & Dr. Karthika, Dept. of Anaesthesia
3	Badminton Doubles (Men)	Staff	Dr.Kapil, Asst. Prof. Cardiology & Dr V.Ravindra Dev, Sr. Res. Cardiology	Mr. NSR.Murali Krishna, MRO & Mr. Chandra Mohan, GM Section.
4	Cricket (Men)	Staff	Doctors team, Captain- Dr Ramesh, Urology	Dialysis Team Captain - Mr. Sankar
5	Cricket (Men)	Students	College of Physiotherapy team Captain - B.Sunil Naik, BPT final yr.	AHS team, Captain – Mr.B.Vivek, B.Sc. EMST-III yr.
6	Cricket (Women)	Students	College of Nursing team Captain-Miss. Leelavathi, IV yr.	College of Physiotherapy team , SVIMS – captain – Miss. Bindu, MPT Final yr.
7	Volleyball (Men)	Students & Staff	College of Physiotherapy team Captain-.Md. Ali, BPT Final yr.	College of Nursing team Captain-Mr.Vamsi, IV yr. s

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8	Volleyball (Women)	Students	College of Nursing team Captain-K. Maheswari, III yr. B.Sc. Nursing.	College of Nursing team, Captain- Neeraja, B.Sc.(N), IIyr.
9	Badminton Doubles (Men & Women)	Students	College of Physiotherapy Boys: S.Mohammed Ali, BPT & K. Noheeth BPT, Final yr. Girls: Mrs.C. Deepika, BPT & Asritha, BPT, Final yr.	College of Physiotherapy Boys: N. Jagadeesh & G.Lokesh BPT III yr. College of Nursing Girls: N. Lokeswari & P.Harathi, B.Sc.(Nur) II yr.
10	Kho-Kho (Men & Women)	Students	College of Nursing Teams Boys: Mr.K.Vamsi Krishna, B.Sc (N) Final yr. Girls: Ms Aritha, B.Sc(N) Final yr.	College of Nursing team: Boys: Mr.Vamsi,B.Sc(N) College of Physiotherapy team Girls: Ms. Sathya Priyahi,, BPT, II yr.
11	Kabaddi (Men)	Students	College of Nursing team Mr. K.Vamsi Krishna, B.Sc (N)	College of Physiotherapy team Boys: Mr.Sai Kisore, BPT II yr.
12	Kabaddi (Men)	Staff	SVIMS Star –Staff team Mr. Ramurthy, Micro Tech.	Dialysis Team Captain-Mr. Sankar and Team

UNIFEST- 2018 Students Individual Champions

Men: Mr. Y.Bharath Kumar, PG Dip. in Nursing with 19 points.(100 mt. 2nd Place, 200 mt. 2nd place, 400 mt. 1st Place, Long Jump 1st place and High Jump 2nd place)

Women: Miss. S.Shareefa, B.Sc.(N) I yr. with 22 points (100 mt,1st place, Soht-Put, Discus Throw, Javelin 1st place and Long Jump 3rd place)

Over All Championship: College of Nursing with total 226 points

The staff and students participated in local & outside tournaments as follows:

S. No.	Tournament	Organized by	Date	Name of the Staff & Students	Result
1.	Physio Championship Trophy	GSL Medical College, Rajahmundry	05-03-18	Table Tennis- Mr.G.Lokesh-BPT 3rd yr. Badminton-Mr.S.Mohammed Ali & K.Noheeth-BPT Final year	Winners in both Table Tennis & Badminton
2.	State level (SAAP) Invitational Volley Ball Championship	Dist. Sports Authority, Chittoor	06-07-18	COP Students Represented Mr. S. Mohammed Ali. & A. Sai Bharath	Winners
3.	All India invitational Sr's Lawn Tennis Championship-2018 for Men	Tirupati Tennis Association, Chittoor-(AP	14-07-18	Mr. M. Hari Prasad Reddy, Sr. Asst.	Participation

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4.	Invitational state level Sr's Badminton Chmp-2018 For Men held	Chittoor dist. Badminton Association, Tirupati	05-08-18	Mr. N.S.R.Murali Krishna, MRO Mr.G.Sreenivasulu, Supt. Mr. Chandra Mohan, Out sousing, GM section. Mr.Deva, NTR VSS Mr.Jayaram, Electrician Mr.TRS.Sreenivasulu, Supervisor, Laundry	Participation
5.	CM's Jnana Bheri Sports and Games Meet-2018 held at Tirupati.	Sports Authority of Andhra Pradesh.	02-07-18 to 03-07-18	Men and Women Volley Ball and Kabaddi teams represented	Runners in Volley Ball Women & Kabaddi Men
6.	Janasena Inter Medical Invitational Cricket Chmpionship-2018	Janasena Medical Youth- Tirupati	19-08-18	Men Cricket team participation	Winners of the tournament
7.	State level Junior Floor Ball (Men & Women) Championship- 2018	Chittoor dist. Floor Ball Association	04-11-18	Mr. S.Abubakar Siddik, B.Sc.(N) 2nd yr.	Winner



IV PATIENT CARE SERVICES



IV Patient Care Services

1.0 Out-patient and in-patient services

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

The Medical Records Department (MRD) facilitates the registration of patients to enable them to avail

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

Out-patient services (7 am – 11 am)

Departments	Days	Room No.
Cardiology	Monday to Saturday	18, 19
C.T.Surgery	Monday to Saturday	16, 17
Endocrinology	Monday to Saturday	SPMC (W), Hospital
Medicine - I	Monday, Thursday	25, 26
Medicine - II	Tuesday, Friday	
Medicine – III	Wednesday, Saturday	
Medicine - IV	Monday, Wednesday, Friday	SPMC (W), Hospital
Medicine - V	Tuesday, Thursday, Saturday	
Gastroenterology - Medical	Tuesday, Thursday, Saturday	36
Surgical GE	Monday to Saturday	41, 42
General Surgery-I	All Mondays, 1st , 3rd & 5th Friday	SPMC (W), Hospital
General Surgery-II	All Tuesdays, 1st , 3rd & 5th \Saturday	
General Surgery-III	All Wednesdays, 2nd & 4th Friday	
General Surgery-IV	All Thursdays, 2nd & 4th Saturday	
General Surgery-V	All Friday	

Departments	Days	Room No.
Oncology - Surgical	Tuesday, Thursday, Saturday	31
Oncology - Medical	Tuesday, Thursday, Saturday	37,39,40
Oncology - Radiotherapy	Tuesday, Thursday, Saturday	27,28
Nephrology	Monday, Wednesday, Friday	35, 36, 37
Urology	Monday, Wednesday, Friday	45
	Tuesday, Thursday, Saturday	35, 45
Haematology	Monday to Saturday	SPMC (W), Hospital
Obstetrics & Gynaecology	Monday to Saturday	SPMC (W), Hospital
Paediatrics	Monday to Saturday	
Ophthalmology	Monday to Saturday	
E.N.T	Monday to Saturday	
Dermatology	Monday to Saturday	
Dental	Monday to Saturday	30
Plastic Surgery	Mon ,Wed, Fri	
TB & RD	Monday to Saturday	SPMC (W), Hospital
	Sunday Holiday	

SPECIAL CLINICS

Departments	Days	Room No.	Timings
Breast Clinic	Monday	39	7.00 -11.00 am
Chest Clinic	Monday, Thursday	25, 26	7.00 -11.00 am
Juvenile Diabetic Clinic	2 nd Saturday	SPMC (W) Hospital	7.00 -11.00 am
Paed. Endocrinology	Tuesday		2.00 - 2.30 pm
Rheumatology Clinic	Monday, Wednesday, Friday		7.00 -11.00 am
Psychiatry	Monday to Saturday		8.00 - 4.00 pm
Thyroid Clinic	Monday		9.00 – 12.00 pm

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Growth Disorders Clinic	Tuesday	SPMC (W) Hospital	2.00 - 4.00 pm
Diabetes Clinic	Wednesday		9.00 – 12.00 pm
Foot Clinic	Friday		9.00 – 12.00 pm
Obesity Clinic	Saturday		9.00 – 12.00 pm
Speech Therapy	Monday to Saturday	24	8.00 - 4.00 pm
Master Health Check-up	Monday to Saturday	25	7.00 -11.00 am
Geriatric	Wednesday, Saturday	25, 26	7.00 -11.00 am
Vascular Clinic (Arterial Disease)	Wednesday	16	12.00 pm
Deep Venous Thrombosis	Friday	16	12.00 pm
Evening Special clinics			
Cardiology	Monday to Saturday	18, 19	3.00 - 4.00 pm

Sunday Free Clinics

Departments	Days	Room No.	Timings
Psoriasis & Pemphigus	1 st Sunday	SPMC (W), Hospital	9.00 –11.00 am
Routine Dental Checkup			
Oral Hygine Cilinic			
Well Baby Clinic			
Deafness			
Thyroid & Varicose Veins	2 nd Sunday		
Glaucoma, Paediatric			
Ophthalmology & Squint			
Carcinoma Breast			
Carcinoma Cervix			
Endocrinology	2 nd Sunday	39, 40	7.00 – 11.00 am
Epilepsy	3 rd Sunday	21, 22	
Hypertension Clinic	Last Sunday	18, 19	
Prosthetic Valve Clinic	Last Sunday	18, 19	

No Queue system

No Queue system was introduced for facilitating repeat patients to get their registrations and appointments on priority basis by sending SMS through mobile phone to regulate the overcrowding of patients and reduce the waiting time for services. About 60% of patients are utilizing this facility effectively (repeat cases only).

No Queue system:

Procedure for Registration

1. Send sms to 9248080250

2. Type noq<space>department name<space>hospital number/UHID (6 digit number)

Example: noq card 545676 (for registration under cardiology)

Note: 1. This facility can be availed within 15 days from the date of first consultation / renewal for repeat registration patients.

2. This facility can be used for current registration only & not for fixing appointment for future date.

3. The department codes are mentioned below

Cardiology	card	Neurology	neuro	Medicine	med	Haematology	haem
CT Surgery	ct	Neurosurgery	ns	Rheumatology	rhu	Breast Clinic	bc
Endocrinology	endo	Nephrology	neph	Surgical Oncology	so	Medical Oncology	mo
Gastroenterology	ge	Urology	uro	Radiation Oncology	ro	Obstetrics & Gynaecology	obg
ENT	ent	Paediatrics	pae	Ophthalmology	oph	Dermatology	dvl
General Surgery	gs	Psychiatry	psy	TB & RD	tb		

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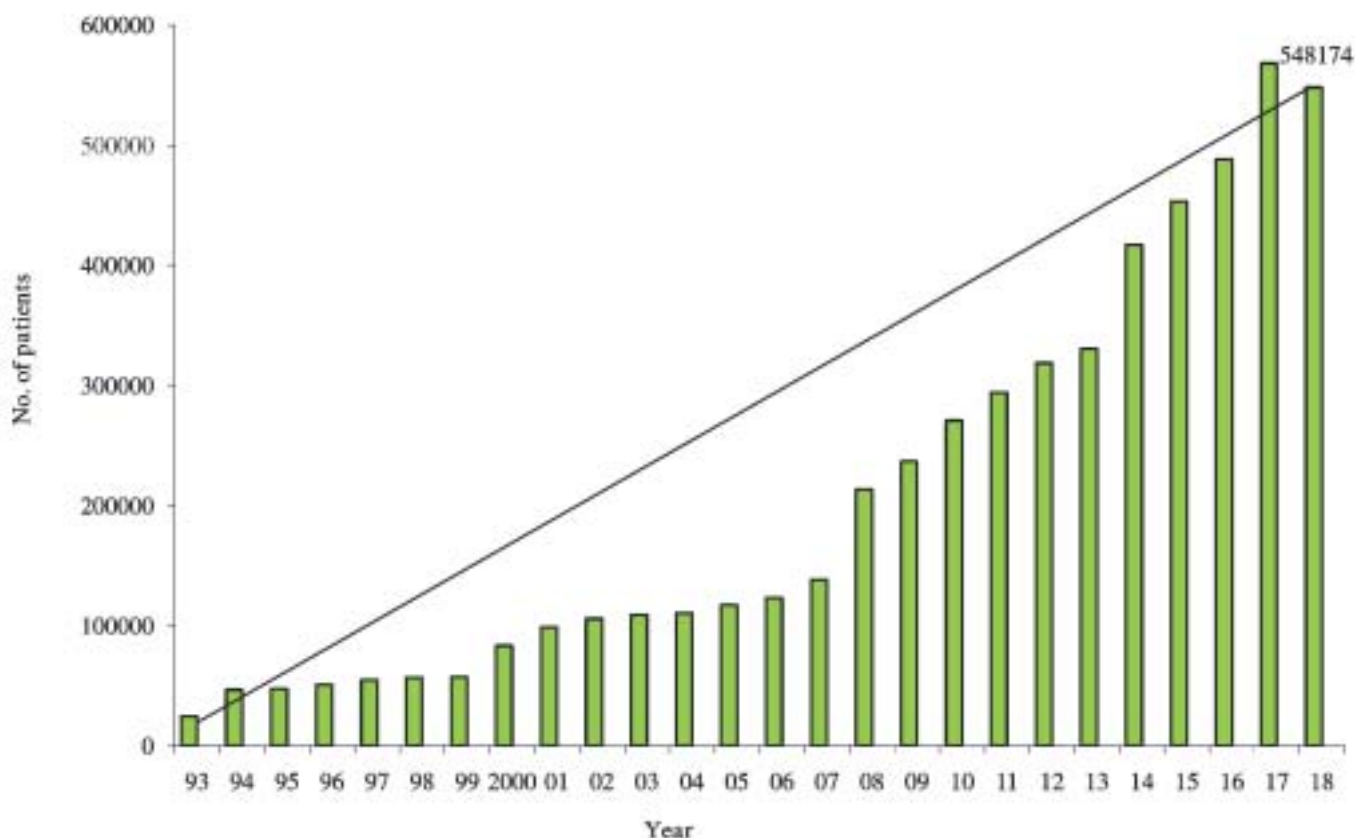
1.1 SVIMS APP

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

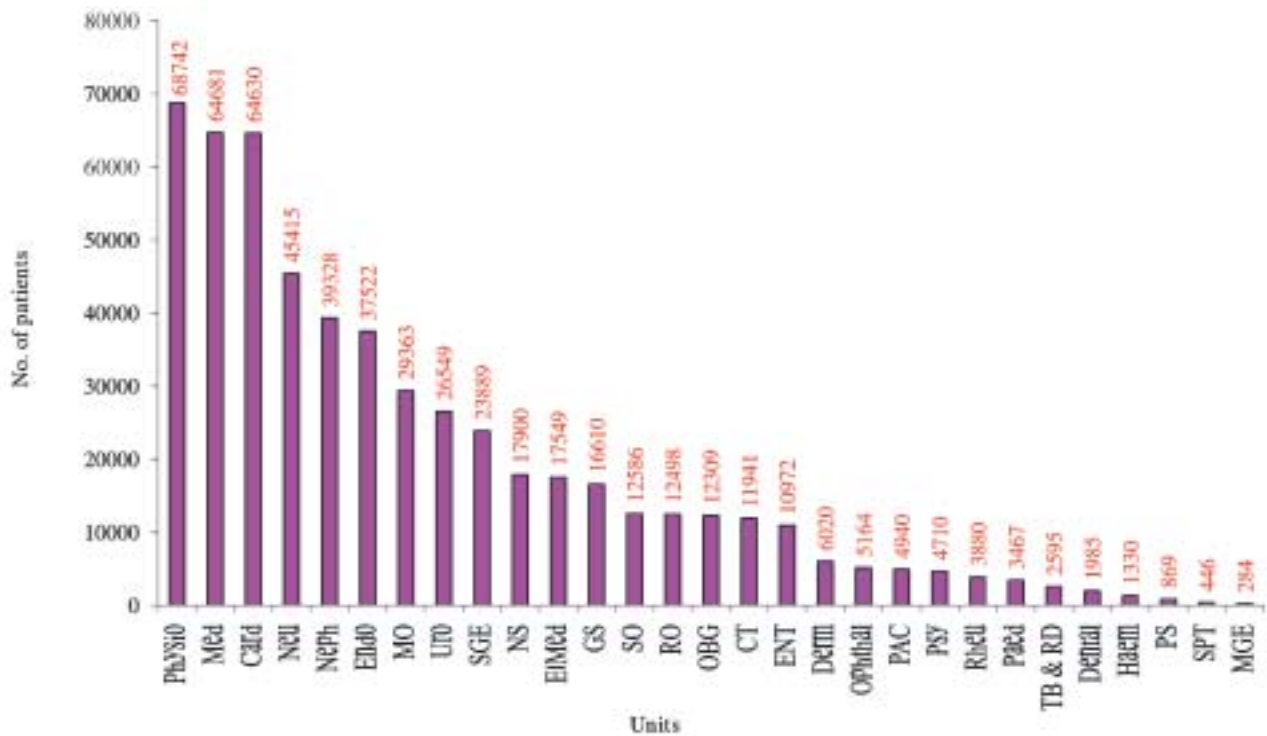
1.2 SVIMS Clinic

A separate clinic operates beside SVIMS OPD block with all super specialties and Medicine department which had been commenced exclusively focusing the needs of patients registered under TTD, Working Journalist Health Scheme and SVIMS Staff, Students and their dependants. The clinic provides central lab test facility, ECG, ECHO, X-Ray and Admission office during all working days between 7am to 11am. Sufficient waiting space, reading room, Kiosk providing refreshments has been attached at the clinic.

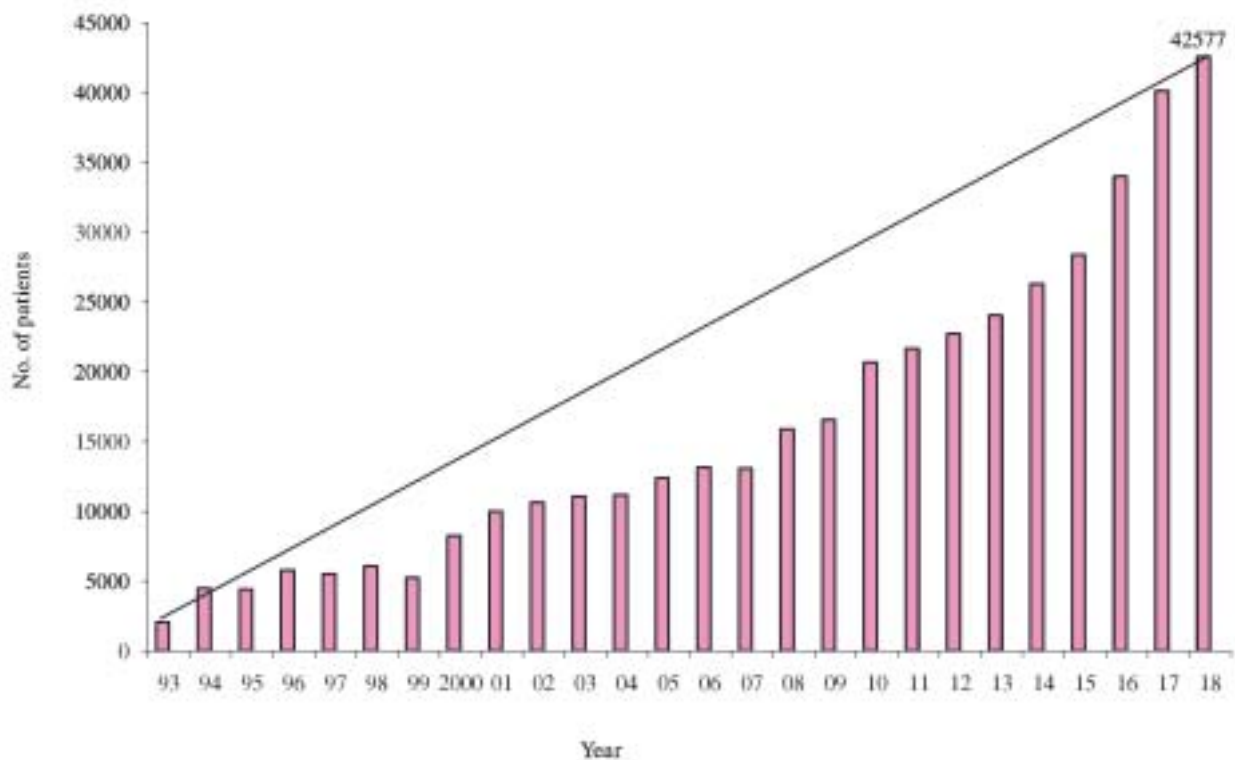
**Yearly flow of out-patients
(1993 - 2018)**



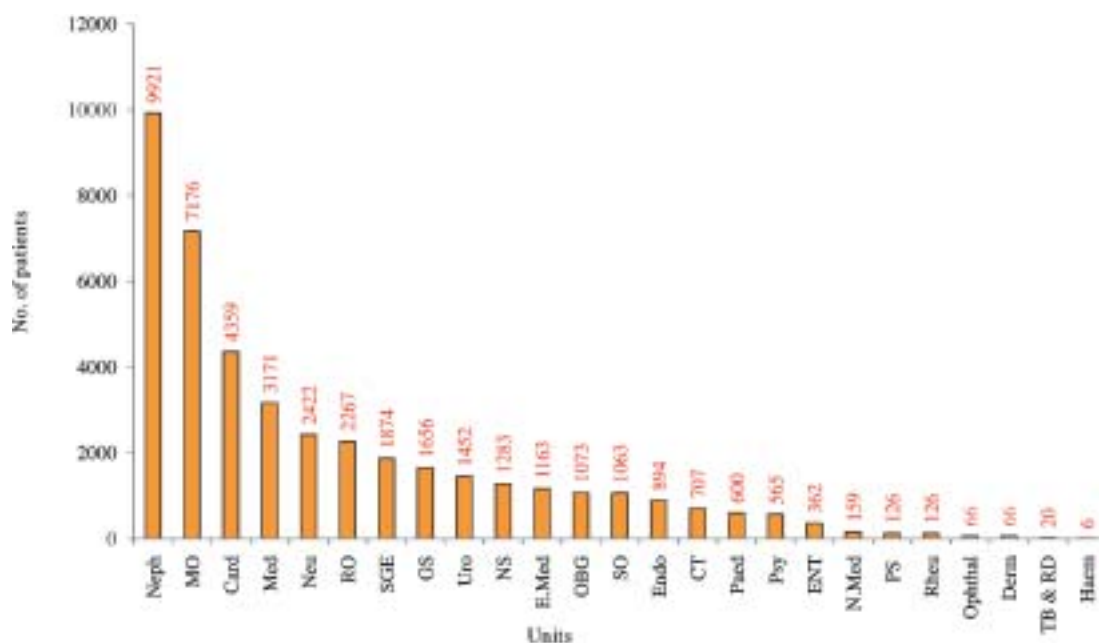
Department wise Out-patient Statistics 2018



Yearly flow of in-patients
(1993 – 2018)



Department wise in-patient statistics 2018



Laboratory – wise investigation statistics (1993-2018)

S. No.	Department	No. of Investigations
1	Biochemistry	81,13,450
2	Haematology	70,73,205
3	Microbiology	16,17,030
4	Radiology	15,37,920
5	Clinical Pathology	12,74,730
6	Blood bank	12,57,088
7	Cardiology	11,56,388
8	Endocrinology	6,43,863
9	Dialysis	3,40,260
10	Pathology	2,29,990
11	Neurology	78,819
12	G.E	53,383
13	HIC (MB)	47,708
14	Nuclear Medicine	44,353
15	PFT	37,547
16	Urology	19,723
17	C.T.Surgery	13,792
18	Dental	6,745
19	Psychiatry	442
	Total	2,35,46,436

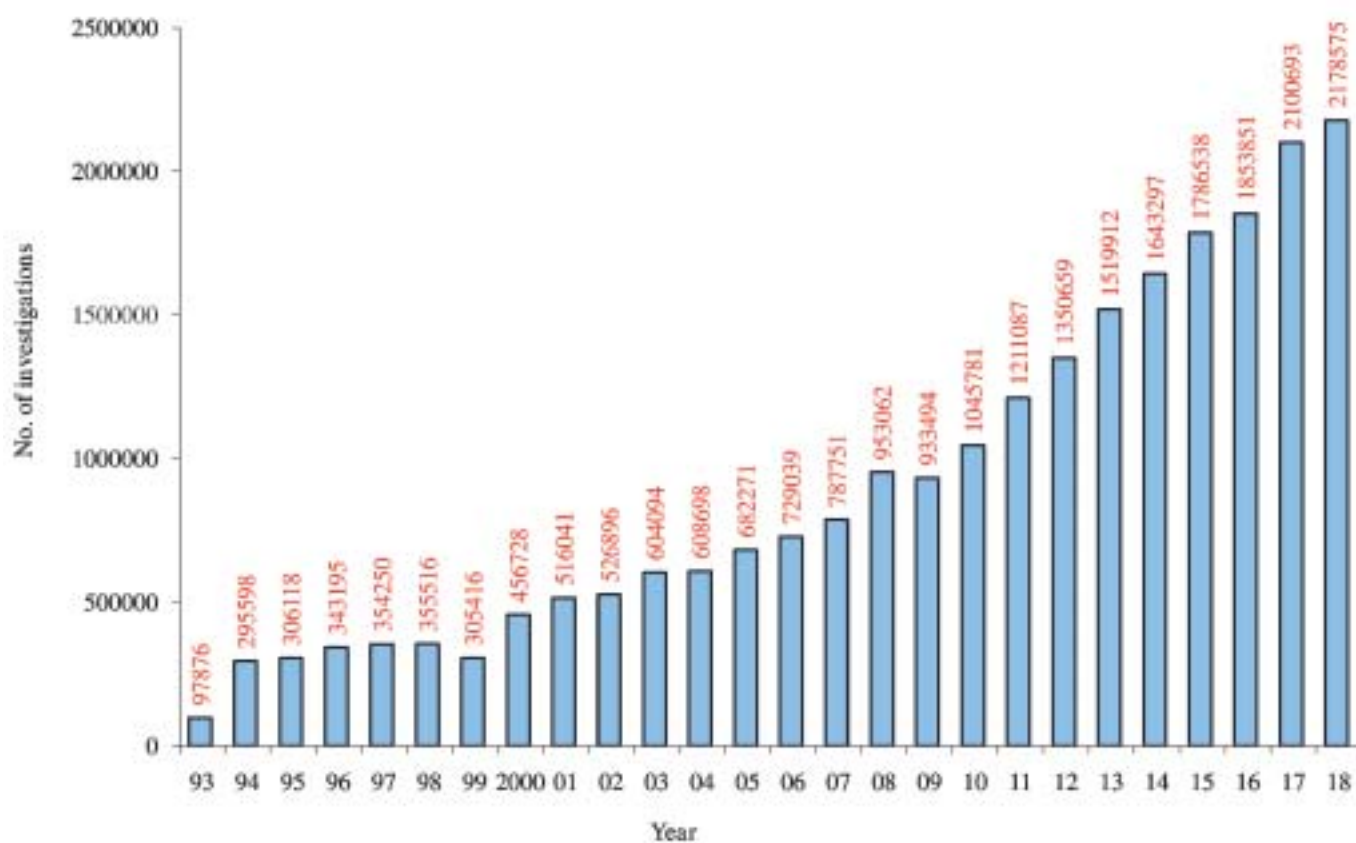
Laboratory – wise investigation statistics (2018)

S. No.	Department	No. of Investigations
1	Biochemistry	6,87,400
2	Haematology	6,44,700
3	Microbiology	1,83,157
4	Radiology	1,37,627
5	Blood bank	1,13,850
6	Cardiology	1,06,391
7	Clinical Pathology	85,587
8	Endocrinology	80,331
9	Dialysis	73,567
10	HIC (MB)	26,723
11	Pathology	18,291
12	Nuclear Medicine	5,432
13	P.F.T	4,906
14	Neurology	4,881
15	GE	2,474
16	Dental	1,723
17	Urology	1,253
18	Psychiatry	282
	Total	21,78,575

Vital statistics Comparison with 2017 & 2018

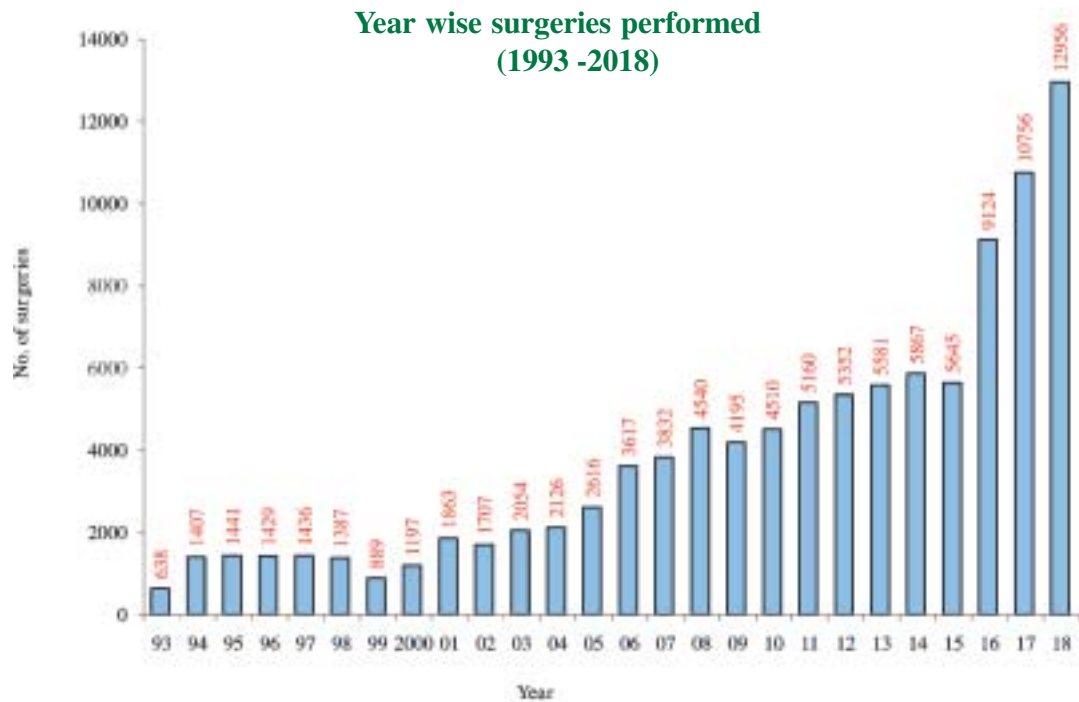
No	Vital statistics	2017	2018	%
1	Bed occupancy rate	79.79	71.66	10
2	Average length of stay	7.21	6.65	8
3	Gross death rate	3.89	3.60	7
4	Net death rate	2.03	1.70	16
5	Monthly average bed turnover rate	3.87	3.81	2
6	Daily average inpatient census	690	668	3

Year wise Investigations No.of patients (1993-2018)

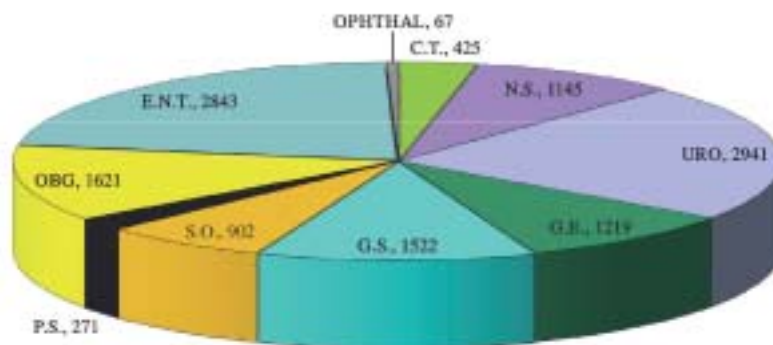


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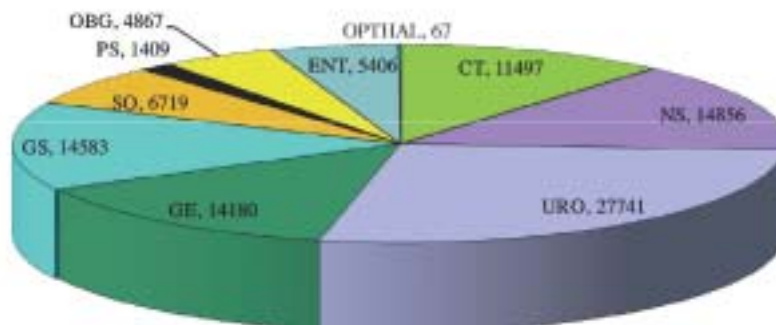
**Year wise surgeries performed
(1993 -2018)**



Total No. of Surgeries Performed 2018



**Department wise surgery statistics
1993 – 2018**



1.3 Dr NTR Vaidya Seva Scheme

The present Dr NTR Vaidya Seva scheme was started in August, 2007 by the then Chief Minister of A.P Late Dr. Y.S. Rajasekara Reddy as “Rajiv Aarogyasri scheme”. Through the Dr. NTR Vaidya Seva Scheme multi specialty health care is provided to patients below the poverty line. The scheme provides coverage for treatment of diseases of heart, lung, liver, bowel, pancreas, kidney, neurosurgery, pediatric congenital malformations, burns, post-burn contracture surgeries for functional improvement, prosthesis (artificial limbs), cancer treatment (surgery, chemotherapy, radiotherapy) and polytrauma (including cases covered under MV act). After separation of Andhra Pradesh & Telangana states, later it was renamed as Dr NTR Vaidya Seva scheme by the present Chief Minister of A.P by Sri N Chandra Babu Naidu, as per the abstract from Health, Medical & Family Welfare (I.1) dept. dt: 17.12.2014. Now the scheme covers around 1047 procedures.



Dr NTR Vaidya Seva 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-I | - Member |
| 5. Resident Medical Officer-II | - Member |
| 6. Chief MEDCO | - Member |
| 7. Accounts Officer | - Member |

For effective implementation of Dr NTR Vaidya Seva 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 (2 Senior MEDCOs and 2 Junior MEDCOs), 01 Office superintendent, 03 Pharmacists, 37 Data entry operators, 02 Bed side assistants and 05 fessy workers apart from the Vaidya Mithras of the trust.

The Dr NTR Vaidya Seva Scheme review committee meetings are held regularly on every 1st and 3rd Thursday of each month.

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

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

Dr NTR Vaidya Seva Scheme camps conducted

(Aug' 2007 – Dec' 2018)

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
	Total	471	1,14,054	5,686

Surgeries conducted under Dr NTR Vaidya Seva Scheme

(Aug' 2007 – Dec' 2018)

Period	C.T. Surgery	Neuro surgery	Urology	Surgical oncology	Surgical Gastro	General Surgery	ENT Surgery	Obstetrics	Plastic Surgery	Total
2007	5	11	2	4	3	0			0	25
2008	529	633	225	128	272	68	-		36	1,891
2009	483	541	292	245	491	110	-		59	2,221
2010	375	539	252	314	516	198	-		68	2,262
2011	427	484	472	318	463	103	-		41	2,308
2012	617	393	609	440	548	146	-		2	2,755
2013	675	364	601	509	658	183	-		0	2,990
2014	575	349	522	649	949	198	-		0	3,242
2015	549	195	453	583	754	287	-		0	2,821
2016	546	339	471	628	760	319	34	73	13	3,183
2017	521	656	836	599	916	534	133	73	18	4,286
2018	420	819	1037	569	884	493	99	76	24	4,421
Total	5,722	5,323	5,772	4,986	7,214	2,639	266	222	261	32,405

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OP & IP statistics (Unit-wise flow)

(Aug' 2007 – Dec' 2018)

Unclaimed (Cashless Transactions)

Sl No.	Unit	Unclaims			
		OP Unclaim	In unclaim		Grand total
		(New & repeat)	Total	Ex-pired	OP&IP
1.	Cardiology	90153	6117	38	96,270
2.	C.T.Surgery	19293	843	25	20,136
3.	Dermatology	2	0		2
4.	Emergency Medicine	653	23		676
5.	Endocrinology	14	3		17
6.	ENT Surgery	18	7		25
7.	General Medicine	45	0	9	45
8.	General Surgery	8353	164		8,517
9.	Haematology	2	0		2
10.	Medical Oncology	60526	278	9	60,804
11.	Nephrology	84008	28	2	84,036
12.	Neurology	8051	14	10	8,065
13.	Neurosurgery	11537	321	16	11,858
14.	Obstetrics	13	3		16
15.	Ophthalmology	4	0		4
16.	Plastic Surgery	303	36	01	339
17.	Radiation Oncology	18470	408	10	18,878
18.	Rheumtology	5	0		5
19.	Surgical Gastro	42835	281	11	43,116
20.	Surgical Oncology	25392	203	01	25,595
21.	TB & RD	2	0		2
22.	Urology	35220	184		35,404
	GRAND TOTAL	4,04,899	8913	132	4,13,812

Sri Venkateswara Institute of Medical Sciences

Medical Cases conducted under Dr. NTR Vaidya Seva Scheme (Aug' 2007 – Dec' 2018)

Period	Cardiology	Nephrology	Medical Oncology	Neurology	Emergency Medicine	Radiation Oncology	Endocrinology	General Medicine	Rheumatology	Anaesthesiology	Paediatrics	TB & RD	Ophthalmology	Dermatolog	Total
2007	7	0	0	0	0	0	--	--	--	--	--	--		--	7
2008	629	96	507	337	23	8	--	--	--	--	--	--		--	1,600
2009	1,182	142	992	885	89	564	--	--	--	--	--	--		--	3,854
2010	1,290	246	1,401	1,053	205	1,071	--	--	--	--	--	--		--	5,266
2011	1,299	325	1,582	1,162	235	1,446	--	--	--	--	--	--		--	6,049
2012	1,360	333	2,139	1,289	216	1,401	--	--	--	--	--	--		--	6,738
2013	1,505	472	3,641	1,211	210	1,235	--	--	--	--	--	--		--	8,274
2014	1,873	911	4,588	1,237	227	1,653	--	--	--	--	--	--		--	10,489
2015	1,794	799	5,723	1,278	196	2,156	--	--	--	--	--	--		--	11,946
2016	1,619	1,131	4,810	1,033	81	3,783	150	122	17	34	6	67		--	12,853
2017	1,926	3,174	5,957	1,372	218	4,352	193	132	43	37	19	01		08	17,432
2018	1,801	5,452	5,623	1,280	38	3,571	216	325	17	24	15	02	06	05	18,375
TOTAL	16,285	13,081	36,963	12,137	1,738	21,240	559	579	77	95	40	70	06	13	1,02,883

OP & IP Statistics (Unit-wise flow) (Aug' 2007 – Dec' 2018) - Claim

S. No.	Unit	Claims			
		IP		OP follow-up for medicines	Grand total
		Total	Expired		
1	Anesthesiology	95	16	0	95
2	C T Surgery	5,722	497	6489	12211
3	Cardiology	16,285	417	27488	43773
4	Dermatology	13	0	1	14
5	Emergency Medicine	1,738	521	77	1815
6	Endocrinology	559	02	6	565
7	ENT Surgery	266		0	266
8	General Surgery	2,639	49	331	2970
9	Medical Oncology	36,963	73	0	36963
10	General Medicine	579	9	0	579
11	Nephrology	13,081	189	580	13661
12	Neurosurgery	5,323	312	2500	7823
13	Neurology	12,137	591	12912	25049
14	Plastic Surgery	261	2	0	261
15	Radiation Oncology	21,240	113	0	21240
16	Surgical Gastro.	7,214	284	67	7281
17	Surgical Oncology	4,986	73	0	4986
18	TB & RD	70	1	0	70
19	Urology	5,772	33	310	6082
20	Obstetrics	222	0	0	222
21	Rheumatology	77	0	0	77
22	Paediatrics	40	0	0	40
23	Ophthalmology	6	0	0	6
	Grand Total	1,35,288	3,182	50,761	1,86,049

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SVIMS was presented the awards for providing exceptional health care services to the patient under Dr.NTR Vaidya Seva Scheme in July 2018. SVIMS won the “Best Teaching Hospital” award among all the government institutions in Andhra Pradesh. NTRVSS presented “Best Performing Specialty” awards to 7 specialties of SVIMS in which departments of Neurosurgery & Rheumatology stood at 1st place and departments of C.T.Surgery, Radiation Oncology, Surgical Oncology, Medical Oncology, and Urology stood at 2nd place.

1.4 Sri Venkateswara Pranadana Scheme

This scheme which was launched in November 2001 by Tirumala Tirupati Devasthanams, aims at providing

succour to the needy by affording them free and the best medical care at the TTD – run hospitals. It aims at:

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

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

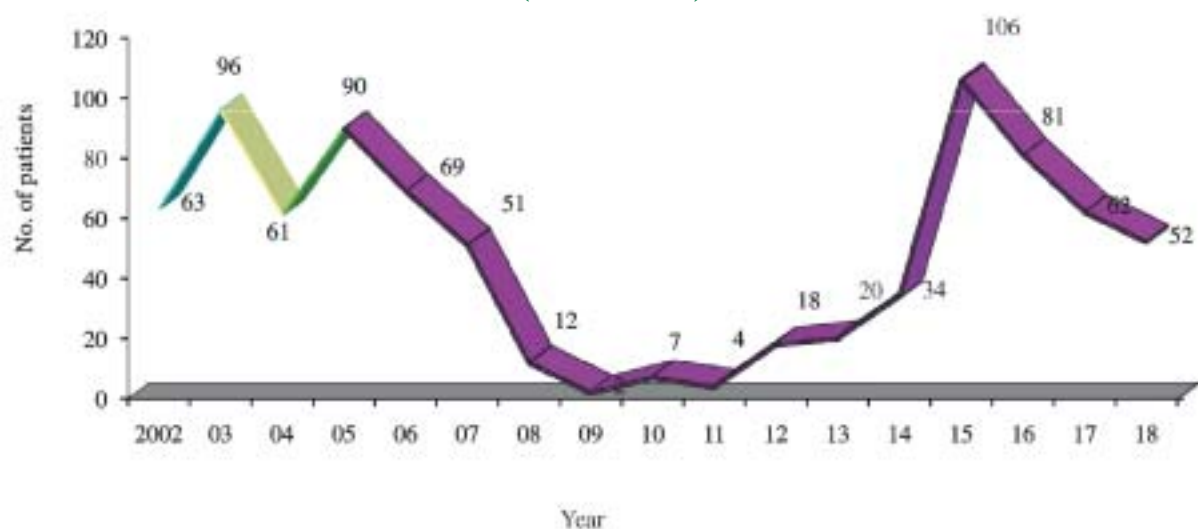
Sri Venkateswara Pranadana Cases treated for the year 2018

S. No	Unit	New admns.	Repeat admns	OP (N)	OP (R)	Total admissions	Total expired	Mortality rate (%)
1	Cardiology	12	0	0	0	12	0	0.00
2	CT Surgery	130	0	02	0	132	4	3.03
3	Surgical GE	26	0	15	0	41	4	9.76
4	Neurology	62	0	0	0	62	2	3.23
5	Neurosurgery	348	0	0	0	348	1	0.29
6	Nephrology	124	194	0	0	318	10	3.14
7	Medical Oncology	23	15	62	8	108	0	0.00
8	Radiation Oncology	0	0	95	6	101	0	0.00
9	Surgical Oncology	35	0	96	0	131	1	0.76
10	Urology	9	1	0	0	10	0	0.00
11	Medicine	33	0	0	0	33	9	27.27
12	Anaesthesiology	3	0	0	0	3	1	33.33
Patients referred from other hospitals								
13	BIRRD Hospital	2	0	0	0	2	0	0.00
14	SVRRGG Hospital	0	0	0	0	0	0	0.00
15	Govt. Maternity Hospital	12	0	0	0	12	6	50.00
	Total	819	210	270	14	1313	38	2.89

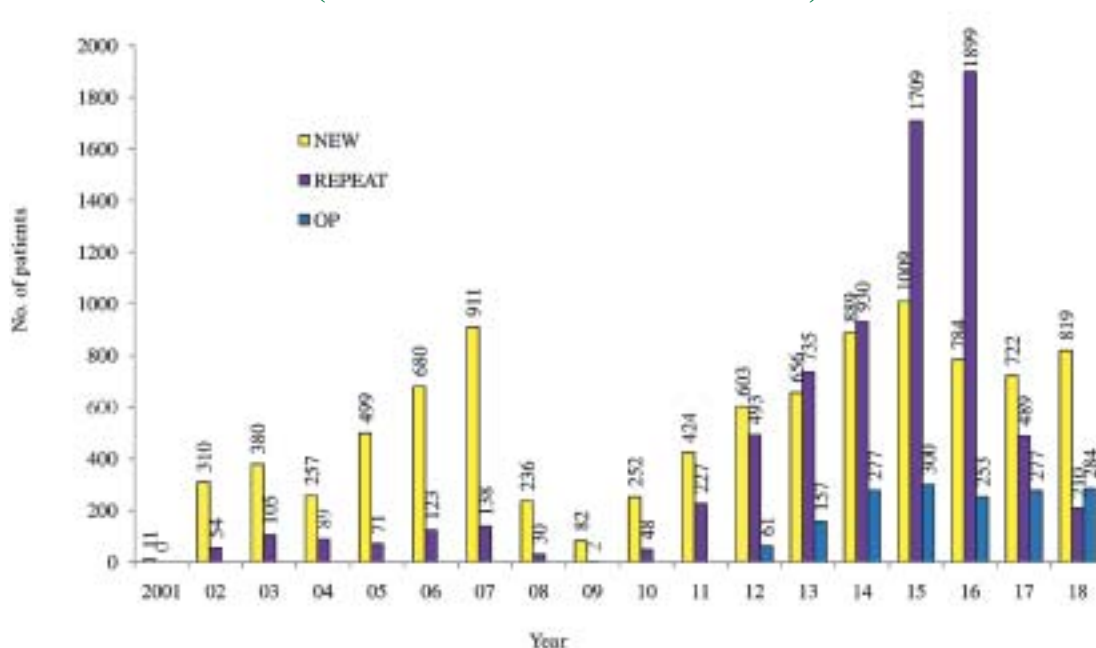
No. of Patients benefited under Sri Venkateswara Pranadana Scheme (November 2001 – December 2018)

S. No	Unit	New admns.	Repeat admns	OP (N)	OP (R)	Total admissions	Total expired	Mortality rate (%)
1	Cardiology	1165	25	0	0	1190	6	0.50
2	CT Surgery	2041	119	39	1	2200	119	5.41
3	Surgical GE	243	29	52	1	325	39	12.00
4	Neurology	454	0	1	0	455	49	10.77
5	Neurosurgery	3291	96	2	1	3390	26	0.77
6	Nephrology	1169	2086	1	0	3256	97	2.98
7	Medical Oncology	314	4339	450	94	5197	9	0.17
8	Radiation Oncology	61	255	473	7	796	0	0.00
9	Surgical Oncology	114	0	451	25	590	7	1.19
10	Haematology	13	378	0	0	391	1	0.26
11	Urology	334	24	1	0	359	9	2.51
12	Medicine	149	0	9	0	158	29	18.35
13	G.Surgery	11	0	1	0	12	0	0.00
14	Anaesthesiology	24	0	0	0	24	3	12.50
15	Plastic Surgery	1	0	0	0	1	0	0.00
Patients referred from other hospitals								
16	BIRRD Hospital	40	1	0	0	41	1	2.44
17	SVRRGG Hospital	12	0	0	0	12	1	8.33
18	Govt. Maternity Hospital	88	0	0	0	88	22	25.00
	Total	9524	7352	1480	129	18485	418	2.26

Paediatric Pranadana cases (2002 - 2018)



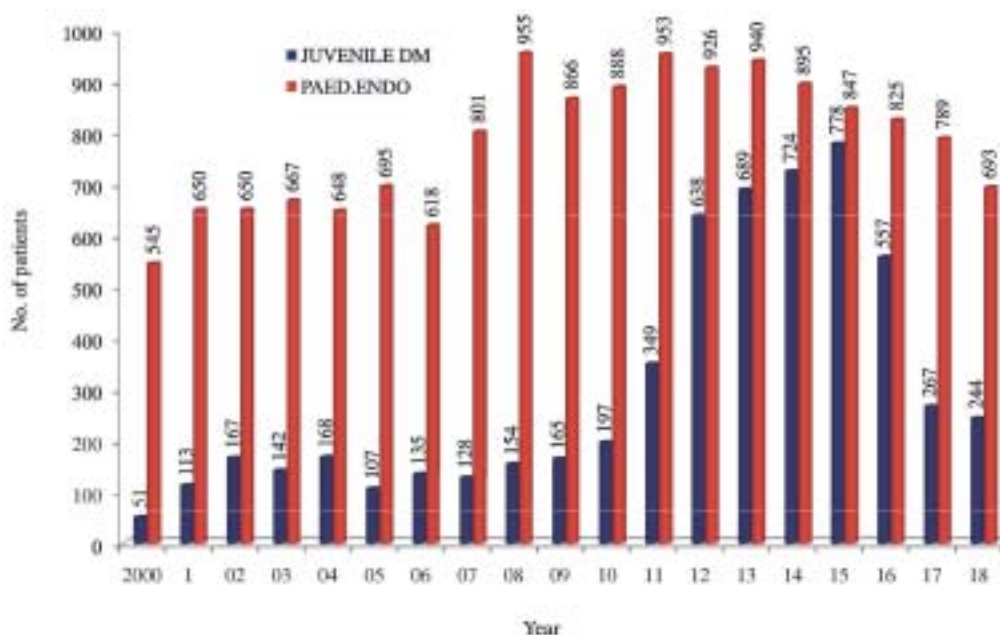
Sri Venkateswara Pranadana cases (November 2001 – December 2018)



1.5 Juvenile diabetes camps:

The Department of Endocrinology, SVIMS started free Juvenile diabetes camps: on 2nd Saturday of each month from the year 2000. Till December 2018, 208 camps have been conducted. The patients are provided free medicines with the financial assistance of SVIMS & Tirumala Tirupati Devasthanams through Sri Venkateswara Pranadana Scheme. The Department also conducts Paediatrics Endocrinology clinics on every Tuesday, in the afternoon.

Paediatric Endocrinology & Juvenile diabetes cases (2000 – 2018)



1.6 Rural health camps

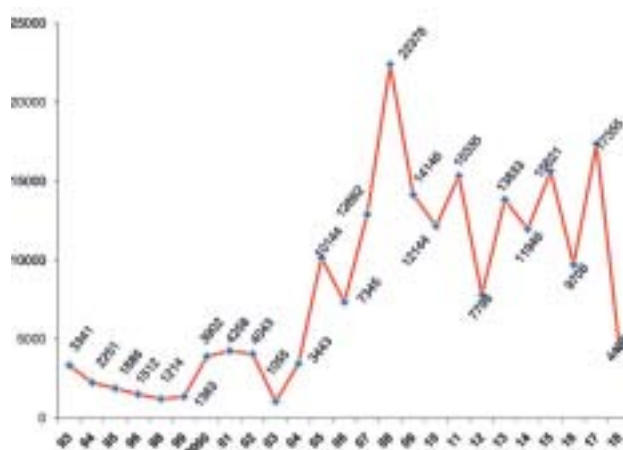
The team of doctors, paramedical and public relations staff under the guidance of the Director-cum-VC, SVIMS conducts regular camps at rural level. The patients are examined for basic ailments. ECG and other blood tests are done at the village level, free of cost. If required, patients are referred to the institute for further evaluation and necessary investigations are done at concessional rates. The statistics of number of camps (General & NVSS) held and number of patients screened for the years 1993- 2018 is furnished below:

Rural Health Camps (1993 - 2018)

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

Year	General	NVSS*	Total camps	Patients
2012	4	16	20	7798
2013	4	35	39	13833
2014	4	39	43	11946
2015	7	41	48	15621
2016	6	17	23	9708
2017	10	13	23	17355
2018	4	10	14	4438
Total	192	437	629	203351

Rural Health Camps (1993 - 2017)



1.7 Medical Camps

The Institute organizes regular monthly free camps in order to b and drugs required for one month treatment. The statistics of the patients treated in these camps during the year 2018 are as follows:

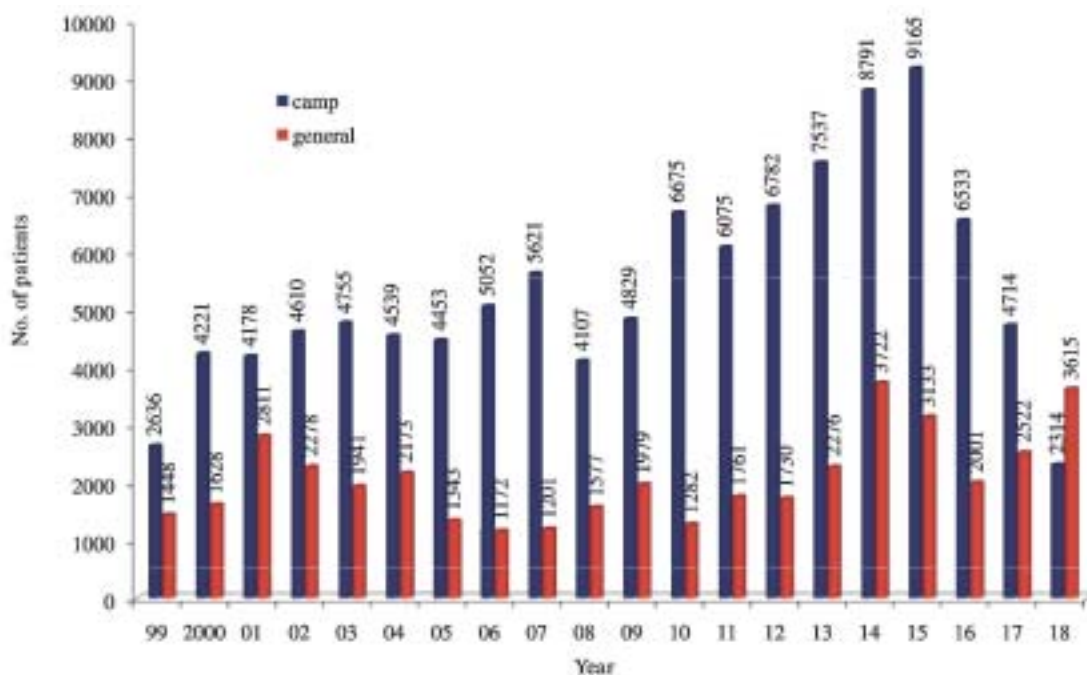
Medical Camps - 2018

S. No.	Camp	Day	No. of camps	No. of patients treated
1	Epilepsy camp	3rd Sunday	7	2314
2	Diabetic camp	2nd Sunday	12	1588
3	Hypertension & PVC camp	Last Sunday	12	5980
4	Juvenile diabetic camp	2nd Saturday	12	244
5	Well baby clinic	1st Sunday	5	36
6	Psoriasis & Pemphigus	1st Sunday	1	1
7	Deafness	1st Sunday	1	2
8	Rural camp		14	4438
9	Epilepsy camp	3rd Sunday	7	2314
10	Diabetic camp	2nd Sunday	12	1588
11	Hypertension & PVC camp	Last Sunday	12	5980

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1.8 Epilepsy Camps

The Department of Neurology, SVIMS under the leadership of Dr B. Vengamma started free epilepsy camp on every 3rd Sunday. From 20th February 1999 till date, 235 camps have been conducted and 1,10,413 patients have been treated. The patients are provided free medicines with the financial assistance of Americares, USA, SVIMS & Tirumala Tirupati Devasthanams through Sri Venkateswara Pranadana Scheme.



1.9 Revised National Tuberculosis Control Program (RNTCP)

The Revised National Tuberculosis Control Program (RNTCP) designated Microscopy Centre (DMC) has been functional at SVIMS since February, 2007 and the DOT Centre has been functioning since May, 2007. As on 31.12.2018, 6004 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 31-12-2018, 55140 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. The committee meets once a month on the first Tuesday in the presence of Director-cum-VC. The committee reviews the monthly surveillance reports and receives suggestions and opinion from the personnel and take decisions to solve the problems.

Infection Control Rate

Total Infection rate for the year 2018 was ranging between 42-51%. In the year 2018, there had been marked variation in overall Ventilator Associated Pneumonia (VAP) rates ranging between 21.5/ 1000 and 68/1000 ventilator days, peaked in the months of January and February 2018. Total Catheter Associated Infection Rate (CAUTI) was maintained between 5.2- 7.3/ 1000 catheterized days. Catheter Associated Infection Rate (CAUTI) for recovery

room & ICU's ranged between zero- 26.2 /1000 catheterized days. Central line Associated Infection Rate (CLABSI) varied between 0- 1.9/ 1000 central line days. Surgical Site Infection Rate (SSI) being 0.4 to 3.4 /100 surgeries. Multi Drug Resistance decreased from 51% in January to 30.8% December, 2018 and there was a gradual reduction in Methicillin Resistant Staphylococcus strains from 61% in the year 2010 to a low of 10% in 2018. But there was an emergence of MRCONS attributing 14% of total drug resistance. Emergence of Imipenem resistance in month of June contributing 24% of total drug resistance is alarming. Following Standard precautions and with strict implementation of antimicrobial stewardship programme (AMSP), there is a reduction of Imipenem resistance to 14%. There is a marked decrease in Standardized infection ratio (SIR) from 0.9 to 0.5 (VAP) and 1 to 0.2 (CAUTI) in December 2018. Overall hand hygiene compliance for health care workers varied between 59- 84%. Needle stick injury incidence ranging between 0-6 for the year 2018.

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

Clinical audit committee has been formed to look into various processes and their outcome in terms of patient care and safety. Moreover, 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).

Sl.No.	Nature of the meeting	Schedule
1	Grand Rounds Review meeting	Every Tuesday (9-11 AM)
2	Infection Control Committee	1st Tuesday (2-3 PM)
3	NTR Vaidya Seva 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	4th Thursday (11 AM 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	Pharmacovigilance 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	'SQC - Ready, Willing and Able' Quality Council.	Last Friday of every month (3-4 PM)
13	Clinical Audit Committee	Once in 3 months
14	Hospital Safety Committee	Once in 3 months

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1.13 New Facilities and services added

- 1) Established KIOSK-2 No.s for getting feedback from patients and attendants March, 28, 2018.
- 2) Established SVIMS app launch for appointments and lab reports for patients and attendants launch by March, 28, 2018.
- 3) Established 'SQC - Ready, Willing and Able' Quality Council with regard to quality management.
- 4) An Ambulance was donated by Sri. Sanjiv Mehra, New Delhi. 20 Lakhs.
- 5) Received Pink bus as donation worth of Rs.1.8 crores for mobile cancer screening programme for women population.
- 6) Hospital also underwent inspection for entry level NABH and granted permission.



V WORKSHOPS/CMEs/CLINICAL MEETINGS/ CLINICO PATHOLOGICAL CORRELATION



V. Workshops/ Conferences/CMEs/ Clinical meetings/ CPC Organized at SVIMS

1.0 Workshops

1. The Dept. of Surgical Oncology organized a Workshop on “Sliver Jubilee live Laparoscopic Oncosurgical -2018 on 23rd February 2018.
2. A workshop was conducted on Biomedical waste Management rules – 2016 SVIMS on 24th March 2018.
3. The Dept. of Biotechnology organized a National workshop on “Basics of Cell Culture Techniques” on 20th April 2018.
4. The valedictory function of National Workshop Application of stem cells in Tissue Repair and Regeneration on 28th April 2018.
5. The Dept. of Neurosurgery organized a Workshop on “Live work shop and symposium on deep brain stimulation (DBS) for parkinson’s disease” on 26th May 2018.
6. Prof. Vemuri S. Murthy, Emergency physician, University of Illinois, Chicago visited SVIMS, Conducted work shop on Adult Resuscitation with recent updates and Hands on practice on Sim Man 3G on 29th October 2018.

2.0 Conference

1. College of Physiotherapy, SVIMS and Grace Physiotherapy & Rehab center, Chennai jointly organized an International Conference on Lymphedema in SVIMS on 08.04.2018.
2. College of Nursing organized National Conference on “An update recent advance in paediatric Nursing” on 17.11.2018

3.0 CME Programmes

CME Programmes are organized by the departments regularly on the first Saturday of each month. The Programmes conducted for the year 2018 are furnished below:

S. No.	Topic	Speaker
1.	Depts. of Pathology & Forensic Medicine on 06.01.2018	
	Slide seminar in Haematology	Dr E. Divya, Senior Resident, Pathology
	Certification of Wounds	Dr G. Chandra Sekhar, Asst. Prof. of Forensic Medicine
2.	Depts. of Biochemistry, Endocrinology & Pharmacology on 03.03.2018, on the topic: Disorders of water homeostasis	
	Water and Sodium regulation	Dr M.M. Suchitra, Assoc. Prof. of Biochemistry
	Water deprivation test	Dr B Sandhya Rani, Senior Resident, Biochemistry
	Diabetes Insipidus- Evaluation	Dr A. Sailaja, Consultant Endocrinologist, Tirupati
	Diabetes Insipidus – Management	Dr B. Bharath, Asst. Prof. of Endocrinology
	Hyponatremia – Evaluation	Dr V. Suresh, Prof. of Endocrinology

	Hyponatremia – Management	Dr G. Praveen Kumar, Asst. Prof. of Endocrinology
	Diuretics and diuretic induced hyponatremia	Dr K. Uma Maheswar Rao, Prof. & HoD of Pharmacology
	Pharmacological Intervention in Hyponatremia	Dr K. Vijayachandra Reddy, Asst. Prof. of Pharmacology
3.	Depts. of Community Medicine, Microbiology & Rheumatology on 19.05.2018, on the topic: Vector Borne diseases	
	Burden & Epidemiology of Dengue and Chikungunya	Dr Anju D Ade, Assoc. Prof. of Community Medicine
	Clinical Management of Dengue and Chikungunya	Dr Alladi Mohan, Prof. & HoD of Medicine
	Laboratory diagnosis of Bacterial of Vector Borne disease	Dr Usha Kalawat, Prof. of Microbiology
	Laboratory diagnosis of Viral vector borne disease	Dr K.K. Sharma, Prof. & HoD of Microbiology
	Prevention & Control of Dengue and Chikungunya	Dr K. Nagaraj, Prof. & HoD of Community Medicine
4.	Dept. of Neurosurgery on 25.05.2018 & 26.05.2018 on the topic: Live Workshop and symposium on Deep Brain Stimulation (DBS) for Parkinson's disease	
	Parkinson's disease, Medical management and advanced treatment options	Dr Syam K, Addl. Prof. of Neurology, SCTIMST, Trivandrum
	DBS for Parkinson's disease: Patient selection and window of opportunity	Dr Naveen T, Assoc. Prof. of Neurology
	DBS Surgical procedure overview	Dr Anand Balasubramaiaam, Senior Consultatnt Neurosurgeon, Yashoda Hospital, Secunderabad
	Post DBS management (Medication and programming)	Dr Manjunath, Consultant Neurologist, Manipal hospitals, Bangalore
	Our experience of DBS in SVIMS – Beginner's perspective	Dr V.V. Ramesh Chandra, Prof. & HoD of Neurosurgery
	Surgical synergy – improvement in DBS outcomes	Dr Krishna Kumar, Prof. of Neurosurgery, SCTIMST, Trivandrum
	Hands on workshop limited to 50 delegates Patient screening and selection tools	Neurophysician team
	Frame fixation	Dr Kiran Khanapure, Consultatnt Neurosurgeon M.S. Ramaiah memorial hospital, Bangalore
	Target planning	Dr Anand Balasubramaniam, Senior Consultant Neurosurgeon, Yashoda Hospital, Secunderabad
5.	Depts. of Nephrology, Urology & OBG on 02.06.2018	
	Women & Kidney Disease	Dr. M. Harikrishna Reddy, Asst. Prof. of Nephrology
	Female Genitourinary Fistulas	Dr S.V. Chaitanya, Asst. Prof. of Urology
	Update on Infections of Urinary Tract in Pregnancy	Dr Seshasai, Prof. HoD of OBG, Appollo Inst. of Medical Sciences
6.	Depts. of Radiation, Medical & Surgical Oncology on 07.07.2018, on the topic: Multidisciplinary Management of Carcinoma Cervix	
	Pretreatment evaluation in management of Carcinoma cervix	Dr Pradeep Kumar Reddy, Asst. Prof. of Radiation Oncology

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	Outlining Surgical Management in Carcinoma Cervix	Dr R.E. Azhagamuthu, Asst. Professor, of Surgical Oncology
	Brief overview of radiation therapy in carcinoma cervix	Dr Swapna Jilla, Asst. Prof. of Radiation Oncology
	Chemotherapy in management of carcinoma cervix	Dr S. Sreeramakrishnaiah, Asst. Prof.
		of Medical Oncology
	Screening and Prevention of carcinoma cervix	Dr Dinakar K, Asst. Prof. of Radiation Oncology
7.	Depts. of Anaesthesia, Cardiology & CT Surgery on 06.10.2018 on the topic: Management of coronary artery bypass grafting and Dyslipidemia	
	Anaesthesia for OPCABG	Dr K. Vinay, Asst. Prof. of Anaesthesiology
	Low Cardiac output syndrome after CABG	Dr Aloka Samantray, Prof. & HoD, of Anaesthesiology/ Dr Hemalatha, Assoc. Prof. of Anaesthesiology, SVIMS
	Role & Principle of IABP in coronary artery surgery	Dr Sridevi R, Asst. Prof. of Anaesthesiology
	Recent guide lines in Management of CABG	Dr Vinod Bhan, Assoc. Prof. of CT Surgery
	LDL Lowering Therapies	Dr D Sreenivasa Reddy, Asst. Prof. of Cardiology
	Cholesterol Management: Guidelines and relevance to Indian Scenario	Dr N Vinod Kumar, Asst. Prof. of Cardiology
	Lipoprotein (a) – Still a little character?	Dr Ch. Narendra, Asst. Prof. of Cardiology
	Beyond LDL: What and How?	Dr D. Rajasekhar, Sr. Prof. & HoD of Cardiology
	Familial Hypercholesterolemia	Dr K. Kiran Kumar, Asst. Prof. of Cardiology
	Role of life style in prevention of lipid disorders	Dr V. Vanajakshamma, Prof. of Cardiology
8.	Dept. of Neurology on 27.10.2018, on the topic: Multiple sclerosis update	
	Update on Mc Donalds 2017	
	Criteria in Multiple sclerosis	Dr Balaji Patel, researcher in pharmaceuticals from Mumbai
	Treatment optimization in Multiple sclerosis patients	Dr A.K. Meena, Prof. of Neurology, NIMS, Hyderabad
	Optic Neuritis Vs Multiple Sclerosis	Dr A. Appa Rao, Asst. Prof. of Neurology
	Open Forum	Dr Ch. S.S. Sai Neelima, Senior Resident of Neurology
9.	Dept. of Biochemistry on 27.11.2018, on the topic: Platelets – Bench to bed-side	
	Platelet physiology: Platelet production, regulation and its functions	Dr Sharan B. Singh, Prof. & HoD Physiology
	Platelet Biochemistry: Activation, aggregation and signal transduction	Dr M.M. Suchitra, Assoc. Prof. of Biochemistry
	Normal and pathological dynamics of platelets	Dr N. Rukmangadha, Assoc. Prof. of Pathology
	Immuno-haematological aspects of platelets	Dr K.V. Sreedhar Babu, Prof. & HoD of Transfusion Medicine
	Award of Dr B. Naganna oration	Oration lecture by Dr D Dash, Professor Department of Biochemistry, IMS, BHU, Varanasi
	Platelets in Clinical Medicine	Dr Alladi Mohan, Prof. & HoD of Medicine
	Anti-platelet drugs	Dr K. Umamaheswar Rao, Prof. & HoD of Pharmacology

	Role of antiplatelet drugs in management of coronary artery disease	Dr V. Vanaja, Prof. of Cardiology
	Role of antiplatelet drugs in management of stroke	Dr B. Vengamma, Sr. Prof. & HoD of Neurology
10.	Department of Nuclear Medicine, Radiology & Physiology on 08.12.2018 on the topic: Update on prostate cancer-from physiology to palliation	
	Physiology of prostate & its hormonal regulation	Dr Sharvani, Assoc. Prof. of Physiology
	Clinical presentation and screening in Ca prostate	Dr Krishna Karthik, Asst. Prof. of Urology
	TRUS Guided Biopsy	Dr Pavan kumar G Kale, Asst. Prof. of Radiology
	Multi-parametric imaging in prostate cancer	Dr Vijayalakshmi Devi, Addl. Prof. of Radiology
	Bone scan in evaluation of carcinoma prostate	Dr R. Amrutha Lakshmi, Senior Resident, Nuclear Medicine
	Radical prostatectomy	Dr N. Mallikarjun Reddy, Prof & HoD of Pediatric Oncology, Narayana Medical College, Nellore
	Robotic prostatectomy	Dr Rakesh Sharma, Uro-Oncologist, Indo-American Hospital, Hyderabad
	Radiotherapy for localized carcinoma prostate	Dr Swapna, Asst. Prof. of Radiotherapy
	Medical Vs Surgical castration (Debate)	Dr Shivaramakrishna, Asst. Prof. of Medical Oncology Dr Bhargav Vardhan Reddy, Consultant Urologist, Nandyal
	Followup of local and metastatic prostate	Dr Nischal Prasad, Consultant Urologist & Andrologist, Apollo Hospital, Nellore
	FDG PET-CT in Biochemical recurrence	Dr Mehabunnisa, Senior Resident, Nuclear Medicine
	Ga68 PSMA in prostate cancer	Dr V. Sai Krishna Mohan, Asst. Prof. of Nuclear Medicine
	Management of CRPC	Dr Bhargavi, Assoc. Prof. of Medical Oncology
	Theranostics in HRPC	Dr Ranadheer Manthri, Assoc. Prof. of Nuclear Medicine
	Radionuclides in pain palliation in Metastatic prostate cancer	Dr Ramya Priya, Asst. Prof. of Nuclear Medicine

Coverage of CME's



A CME was jointly organised by the Depts. of Biochemistry, Endocrinology & Pharmacology on 03.03.2018, on the topic: Disorders of water homeostasis. Dr V. Suresh, is seen delivering the lecture.



A CME was jointly organised by the Depts. of Community Medicine, Microbiology & Rheumatology on 19.05.2018, on the topic: Vector Borne diseases, Dr Alladi Mohan, , Dr Usha Kalawat, are seen delivering the lectures.



A CME was jointly organised by the Depts. of Nephrology, Urology & OBG on 02.06.2018. Dr. M. Harikrishna Reddy is seen delivering the lecture



A CME was jointly organised by the Dept. of Neurosurgery on 25- 26.05.2018 on the topic: Live Workshop and Symposium on Deep Brain Stimulation (DBS) for parkinson's disease, Dr Syam K, Dr Anand Balasubramaniam, Dr Krishna Kumar, Dr Anand Balasubramaniam, are seen delivering the lectures.



A CME was jointly organised by the Depts. of Radiation, Medical & Surgical Oncology on 07.07.2018, on the topic: Multidisciplinary Management of Carcinoma Cervix, Dr Pradeep Kumar Reddy, Dr Swapna Jilla, Dr S. Sreeramakrishnaiah, Dr Dinakar K are seen delivering the lectures.

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A CME was jointly organised by the Dept. of Neurology on 27.10.2018, on the topic: Multiple sclerosis update, Dr Balaji Patel, researcher in pharmaceuticals from Mumbai Dr A.K. Meena, Prof. of Neurology NIMS, Dr A. Appa Rao, are seen delivering the lectures.



A CME was organised by the Dept. of Biochemistry on 27.11.2018, on the topic: Platelets – Bench to bed-side. The dignitaries are seen during the inauguration

4.0 Clinical Meetings

Each department presents the clinical material in the form of a case presentation and recent trends in Medicine during regular academic programmes fixed on every Thursday and Saturday. The programs conducted for the year 2018 are furnished below:

S. No.	Date	Research presentation (Saturday)/ Case presentation (Thursday)			Spotters Presentation (Saturday) / Capsule on an investigation (Thursday)		
		Topic	Speaker	Department	Topic	Speaker	Department
1.	04-01-2018 (Thursday)	PRIAPISM – A rare presentation of CML	Dr K.M. Ram prahallad	Medical Oncology	Surfactant Administration	Dr Bhavani Deepthi	Paediatrics
2.	06-01-2018 (Saturday)	Influence of graded aerobic exercise on quality of life and exercise tolerance in post surgical mitral valve diseases individuals – A prospective randomized open label study	Dr C. Shanthi	CT Surgery	Spotter	Dr G. Nibandhana	Microbiology
3.	11-01-2018 (Thursday)	Angle Closure Glaucoma	Dr P. Prabhanjan Kumar	Ophthalmology	Investigation Capsule/ Spotter	Dr C.V. Praveen Kumar Reddy	Plastic Surgery
4.	13-01-2018 (Saturday)	Awareness of Influenza A (H1N1) 2009 (Swine-flu) among rural population	Dr Y. Bhavani	Community Medicine	Spotter	Dr N. Sai Sameera	Nephrology
5.	18-01-2018 (Thursday)	Hepatic mucor mycosis in a renal transplant recipient – A rare case presentation	Dr G. Sai Chandana	Pathology	MR spectroscopy in prostate	Dr G.P. Venkat Choudary	Radiology
6.	20-01-2018 (Saturday)	Estimation of – CCL2/MCP-1 levels in serum and gingival cervical fluid in periodontal health disease and after treatment	Dr D.S. Madhu Babu	Dentistry	Spotter	Dr R. Rakesh Reddy	Neurology
7.	25-01-2018 (Thursday)	Beta – 3 Adrenergic receptor functional & pharmacological approach	Dr K.R. Subash	Pharmacology	VIA (Visual Inspection with Acetic Acid)	Dr Deepthi	Radiotherapy
8.	01-02-2018 (Thursday)	Psycho Oncology	Dr B. Sivanandh	Psychiatry	Anti neutrophilic cytoplasmic Anti bodies - Immuno fluorescence	Dr S. Apama	Rheumatology
9.	03-02-2018 (Saturday)	Evaluation of chronic idiopathic urticaria patients with autologous serum skin test	Dr A. Surekha	DVL	Spotter	Dr Jagtap Rukmaji	Neurosurgery
10.	08-02-2018 (Thursday)	Physiology of haemoglobin	Dr M. Sharan B Singh	Physiology	Hemoglobin estimation by	Dr TVN. Sri Ranjitha	Transfusion Medicine
11.	10-02-2018 (Saturday)	Demographic profile clinical features, imaging and outcome in patients presenting with traumatic brain injury to emergency department of SVIMS	Dr M.R. Kiran Kumar	Emergency Medicine	Spotter	Dr M. Ranadheer Gupta	Nuclear Medicine

12.	17-02-2018 (Thursday)	Pulmonary function in hypothyroidism before and after restoration of euthyroid status	Dr P. Sai Krishna Chaitanya	Endocrinology	Intra - op picture	Dr Usha Brindhini	OBG
13.	03-03-2018 (Saturday)	Prevalence of psychological stress in allergic rhinitis patients attending a tertiary care hospital: A cross sectional study	Dr V. Venkateswarlu	ENT	Spotter	Dr V. Naresh Kumar	Surgical Oncology
14.	10-03-2018 (Saturday)	Pattern of thoraco abdominal injuries sustained in road traffic accidents – An autopsy based observational study	Dr B. Rupesh Kumar Naik	Forensic Medicine	Osteosarcoma – Left tibia	Dr Lakshmi Priyadarshini	Medical Oncology
15.	17-03-2018 (Saturday)	Assessment of functional outcome of patients undergoing surgery for chronic pancreatitis	Dr Nitesh Naga Balaji	Surgical Gastro enterology	Spotter	Dr K. Swathi	Ophthalmology
16.	24-03-2018 (Saturday)	Comparative study between conventional wound dressings & Vacuum Assisted Closure (VAC)	Dr V. Abhilash Reddy	General Surgery	Spotter	Dr B. Deepthi	Pathology
17.	07-04-2018 (Saturday)	Ratio of platelet count and mean corpuscular hemoglobin as a screening test for the diagnosis of iron, B12 deficiency	Dr C. Chandra Sekhar	Hematology	Nicotine patch	Dr K. Nagavishnu	Pharmacology
18.	14-04-2018 (Saturday)	Effect of nutritional status at the time of initial presentation on outcome in critically ill patients admitted to medical intensive care unit (MICU)	Dr D. Neeharika	Medicine	Transcranial magnetic stimulation	Dr B. Sivanandh	Psychiatry
19.	21-04-2018 (Saturday)	Study of biochemical & serological characterization of Beta haemolytic streptococcus in various clinical samples.	Dr V.S. Srikala	Microbiology	Spotter	Mr K. Munisekhar	Physiology
20.	05-05-2018 (Saturday)	Impact of thyroid auto antibodies on severity and functional outcome in acute ischemic stroke.	Dr A. Appa Rao	Neurology	Spotter	Dr Rinu Dwivedi	Paediatrics
21.	12-05-2018 (Saturday)	A study on insulin resistance in non diabetic chronic kidney disease patients.	Dr N. Praveen	Nephrology	Spotter	Dr Praveen Kumar Reddy	Plastic Surgery
22.	19-05-2018 (Saturday)	A prospective study on use of intraoperative applications of vancomycin powder in instrumented lumbar spinal fusion surgeries	Dr D.M. Sasank	Neurosurgery	Spotter	Dr Silpa Kadiyala	Radiology
23.	02-06-2018 (Saturday)	Utility of 18-F FDG in Brain PET-CT scan in evaluation of regional brain metabolism in patients with psychogenic non-epileptic seizures (PNES)	Dr R. Amruthalakshmi	Nuclear Medicine	Spotter	Dr P. Masthan Basha	Radiotherapy
24.	09-06-2018 (Saturday)	A retrospective study on use of misoprostol in prevention of postpartum haemorrhage in caesarean section	Dr C. Manju Yadav	OBG	Rheumatoid arthritis	Dr G. Sireesha	Medicine
25.	16-06-2018 (Saturday)	A randomized controlled study of drain versus no drain in patients undergoing pelvic lymph node dissections with or without paraaortic lymph node dissection in gynaecological malignancies	Dr M. Guru Raghavendra Naik	Surgical Oncology	Spotter	Dr L.S. Chaitanya Kumar	Transfusion Medicine

26.	21-06-2018 (Thursday)	Stricture urethra	Dr K. Ravi Shankar	Urology	-	-	-
27.	23-06-2018 (Saturday)	Response assessment and quality of life in head and neck cancer patients treated with metronomic chemotherapy	Dr V. Santhosh	Medical Oncology	Drug-Indacaterol	Dr K. Changareddy	TB & RD
28.	28-06-2018 (Thursday)	Debate on controversy in fluid management in trauma patients	Dr P. Janaki Subhadra	Anaesthesiology	-	-	-
29.	05-07-2018 (Thursday)	Commonly used anticoagulants in cardiology-Merits and demerits	Dr S. Praveen Kumar Reddy	Cardiology	-	-	-
30.	07-07-2018 (Saturday)	A comparative study of postoperative astigmatism in sics and phacoemulsification	Dr K. Swathi	Ophthalmology	Spotter	Dr A. Jaibabu	Urology
31.	12-07-2018 (Thursday)	Scimitar syndrome: Surgical challenge in a rare presentation with intact interatrial septum	Dr Vinod Bhan	CT Surgery	-	-	-
32.	14-07-2018 (Saturday)	Comparative study of robinsons cytological grading with elston – Eliss modification of scarff bloom Richardson histological grading for breast carcinoma	Dr B. Vishnu Priya	Pathology	Spotter	Dr N. Hemanth	Anaesthesiology
33.	19-07-2018 (Thursday)	ATLS (advanced trauma life support) updates in 2018	Dr Y. Vinayak	Emergency Medicine	-	-	-
34.	21-07-2018 (Saturday)	Analysis of spontaneously reported cutaneous adverse drug reactions in a tertiary care teaching hospital in south India	Dr K. Vijaya Chandra Reddy	Pharmacology	Bilateral synostosis of 1st & 2nd ribs	Dr M.K. Lalithakumari	Anatomy
35.	26-07-2018 (Thursday)	Radiotherapy Vs. Medical Therapy as definitive treatment in unresected acromegaly (Post Surgery)-which is better?	Dr D. Mani Deepthi Dr. Avinash Patil	Endocrinology	-	-	-
36.	02-08-2018 (Thursday)	Unusual ECG changes in a case of near- hanging	Dr G. Harsha vardhan Reddy	Medicine	-	-	-
37.	09-08-2018 (Thursday)	Haemodialysis Vs Peritoneal dialysis	Dr Sunmish Reddy Dr Sai Sameera	Nephrology	-	-	-
38.	11-08-2018 (Saturday)	Comparative study of two small group teaching methods i.e. tutorials and seminar as a supplement to lectureclasses for 1st year MBBS students	Dr Arpana Bhide	Physiology	Spotter	Dr M. Naganarasimha Reddy	Cardiology
39.	30-08-2018 (Thursday)	Interesting case of Zollinger Ellison Syndrome	Dr S. Chandra Teja Reddy	Nuclear	Medicine	-	-
40.	01-09-2018 (Saturday)	Burn contractures: Review of 60 cases	Dr Praveen Kumar Reddy CV	Plastic Surgery	T D Vaccine	Dr D. Ravi Sankar	Community Medicine
41.	06-09-2018 (Thursday)	The role of hemithyroidectomy Vs total thyroidectomy in well differentiated (T1 & T2) thyroid cancers in Indian context	Dr B. Bhavya Dr. V. Sai Krishna Mohan	Surgical Oncology	-	-	-

42.	08-09-2018 (Saturday)	An observational study of pre and post contrast MRI features of invasive breast carcinoma	Dr Hari Kishore	Radiology	Chair side diagnostic tools in dentistry	Dr D.S. Madhu Babu	Dentistry
43.	15-09-2018 (Saturday)	A prospective randomised study of short course radiotherapy versus long course chemo radiation therapy in locally advanced rectal cancer	Dr C. Praneetha	Radiotherapy	Spotter	Dr N. Gayathri	Dermatology
44.	20-09-2018 (Thursday)	Rare presentation of pediatric lymphoma	Dr K. Lakshmi Priyadarshini	Medical Oncology	-	-	-
45.	22-09-2018 (Saturday)	Comparison of DAS 28, CDAI, HAQ-DI and rapid 3 as tools to assess disease activity in patients with rheumatoid arthritis	Dr B. Siddhartha Kumar	Rheumatology	Spotter	Dr Vinayak Yerra	Emergency Medicine
46.	27-09-2018 (Thursday)	Welcome liquid biopsy – Time to bid fare well to microscope	Dr B. Deepthi Dr M. Alekhya	Pathology	-	-	-
47.	04-10-2018 (Thursday)	Organ preservation in laryngeal cancers	Dr G.V. Deepthi	Radiotherapy	-	-	-
48.	06-10-2018 (Saturday)	A comparative study between anti human globulin (Coombs') crossmatch versus type and screen at the blood bank of a Tertiary care referral teaching hospital in Tirupati, Andhra Pradesh, South India	Dr T.V.N. Sri Ranjitha	Transfusion Medicine	Spotter	Dr P. Sai Krishna Chaitanya	Endocrinology
49.	11-10-2018 (Thursday)	Short segment bulbar urethral strictures – VIU v/s Urethroplasty as initial treatment	Dr B. Manoj Dr K. Ravi Shankar	Urology	-	-	-
50.	13-10-2018 (Saturday)	A study of fungal infections in treated pulmonary tuberculosis patients	Dr V. Anupama	TB & RD	Superficial angiomyxoma of external ear	Dr Vijaya Krishna	ENT
51.	20-10-2018 (Saturday)	Complications of TURP	Dr A. Jayibabu	Urology	Spotter	Dr M. Brahmeswara Rao	Surgical Gastroenterology
52.	25-10-2018 (Thursday)	Optimal medical therapy vs revascularization for stable coronary artery disease	Dr M. Naganarasimha Reddy Dr T. Suresh Babu	Cardiology	-	-	-
53.	01-11-2018 (Thursday)	Discussion on an interesting case	Dr J. Divya Sree	C T Surgery	-	-	-
54.	03-11-2018 (Saturday)	A comparative study on the effects of adding either fentanyl or subanaesthetic dose of ketamine to propofol on intraoperative anaesthetic requirement, post operative analgesia and recovery profile in patients receiving total intravenous anaesthesia.	Dr I.S.D. Prasad	Anaesthesiology	Spotter	Dr B. Rupesh Kumar Naik	Forensic Medicine

55.	08-11-2018 (Thursday)	Fluid resuscitation: CVP monitoring vs IVC collapsibility index	Dr Ratna Kumar Dr Nava Kiran	Emergency Medicine	-	-	-
56.	10-11-2018 (Saturday)	Morphology and morphometry of bicuspid and tricuspid valves in hearts of human foetal cadavers	D. Kishore Naik	Anatomy	Spotter	Dr T. Hemachandra	General Surgery
57.	15-11-2018 (Thursday)	Post operative hypocalcemia	Dr K. Raghavendra	Endocrinology	-	-	-
58.	17-11-2018 (Saturday)	Study of serum myeloperoxidase activity in patients with type -2 diabetes mellitus and its association with sub clinical atherosclerosis	Dr Kiranmayi	Biochemistry	Spotter	Dr Ranadheer Gupta M	Nuclear Medicine
59.	22-11-2018 (Thursday)	Corticosteroids in COPD	Dr M. Soumya Dr A. Praveen	Medicine	-	-	-
60.	29-11-2018 (Thursday)	Fibres in kidney	Dr N. Sai Sameera	Nephrology	-	-	-
61.	01-12-2018 (Saturday)	Effect of percutaneous balloon mitral valvuloplasty on left ventricular performance by speckle tracking echocardiography and six minute walk test in rheumatic severe mitral stenosis	Dr P. Sumanth Reddy	Cardiology	Spotter	Dr V. Pradeep	Medicine
62.	06-12-2018 (Thursday)	First episode of seizure whether to treat or not	Dr P. Pranathi Dr P.S. Sai Neelima	Neurology	-	-	-
63.	08-12-2018 (Saturday)	Socio-demographic profile of HIV Sero-Positive attendees of Integrated counselling and Testing Centre	Dr Anju D Ade	Community Medicine	Spotter	Dr N. Ramakrishna	Microbiology
64.	13-12-2018 (Thursday)	A case of giant cavernous ICA aneurysm	Dr Jagtap Rukmaji Prakash Rao	Neurosurgery	-	-	-
65.	15-12-2018 (Saturday)	Is it so much beneficial to repair moderate tricuspid regurgitation concomitantly in chronic rheumatic left heart valvular disease? a prospective randomized study	Dr Abha Chandra	C T Surgery	Spotter	Dr N. Praveen	Nephrology
66.	20-12-2018 (Thursday)	Contrast CT for PET – CT vs. non Contrast PET CT	Dr SK Mehabunnisa Dr R. Amrutha Lakshmi	Nuclear Medicine	-	-	-
67.	22-12-2018 (Saturday)	Estimation of midline levels in serum and gingival cervical fluid in smokers and non smokers of gingivitis patients	Dr D.S.Madhu Babu	Dentistry	Spotter	Dr T. Kedar	Neurology
68.	27-12-2018 (Saturday)	An unusual complication of laparoscopic radical hysterectomy for carcinoma cervix	Dr B. Bavya	Surgical Oncology	-	-	-

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5.0 Clinico Pathological Correlation (CPC)

The Academic programme on Clinico Pathological Correlation (CPC) was introduced with effect from January, 2012. Every 4th Saturday, the programme is arranged between 8.00 a.m. to 9.00 a.m. Dr R. Ram, Prof. & Head, Dept. of Nephrology, Dr V. Ramesh Chandra, Prof. & Head, Dept. of Neurosurgery acted as coordinators for Medical & Surgical cases respectively. The programmes conducted for the year 2018 are as given below:

S. No.	Date	Topic	Discussant
1	27.01.2018	A 38-year gentleman presented with complaints of cough and expectoration of 3 months duration	Dr O. Harish Dept. of Cardiology
2	24.02.2018	A 70-years old female patient with painless hematuria since 1 week	Dr A.B. Naveen Kumar Dept. of CT Surgery
3	31.03.2018	A 38-year old gentleman presented to our hospital because of fever and pain in the ankles of both of about two weeks duration	Dr Anjali Praveen Dept. of Medicine
4	28.04.2018	A 50-years old female patient with pain in abdomen since 1 month	Dr T. Hema Chandra Dept. of General Surgery
5	26.05.2018	A 30-year old lady presented with the complaints of oliguria of one day duration	Dr B. Bharath Dept. of Endocrinology
6	30.06.2018	A 14-year old female patient with respiratory distress and facial puffiness since 2 weeks	Dr D.V. Narayana Reddy Dept. of Surgical GE
7	28.07.2018	A 40-year old gentleman presented with complaints of difficulty in moving both upper and lower limbs, fever, cough and breathlessness	Dr PSSS Neelima Ch Dept. of Neurology
8	25.08.2018	A 42-year female presented with distension of abdomen for 2 months	Dr S. Nagesh Kumar Dept. of Surgical Oncology
9	29.09.2018	A 36-year old gentleman was brought from a local clinic because of anuria	Dr V. Santhosh Dept. of Medical Oncology
10	27.10.2018	A 65-years old female with painful swelling at lower end of right thigh for 2 months	Dr C. Konda Reddy Dept. of Urology
11	24.11.2018	A 43-year gentleman presented with h/o fever with chills of one week duration	Dr M. Raja Amarendra Dept. of Nephrology
12	29.12.2018	A 47- year female with difficulty in micturation and altered bowel habit for 10 days.	Dr T. Srikanth Dept. of Neurosurgery



VI RESEARCH



VI Research

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

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

1.0 Abstract of Publications

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

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

Gen Thorac Cardiovasc Surg 2018.

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

2. Clinico-epidemiological study of melasma in men

Charupalli K, Rajasekhar T S, Mukkara M.

J Clin Sci Res 2018;7:19-23.

Background: Melasma is one of the most common and distressing pigmentary disorders presenting to dermatology clinics. There is paucity of data regarding the aetiological factors and clinical presentation of melasma in men. The present study was taken up to fill this lacuna and to understand the unique aspects of melasma in this group.

Methods: Study was conducted in the Department of Dermatology at University teaching hospital from January 2015 to July 2016. A total of 72 male patients with melasma were studied. A detailed history including occupation, onset, duration and evolution of melasma, predisposing factors like sun exposure and genetic factors, were taken followed by general physical examination, cutaneous examination and Woods lamp examination and recorded in a proforma. Laboratory investigations like complete haemogram, hormonal profile, liver function tests were done whenever necessary depending on the presenting condition.

Results: The mean age of onset was 31.5 years. The duration of melasma varied from 3 months to 6.5 years. The aetiological factors identified were, sun exposure in 42 patients (58.3%) and family history in 29 (40.3%). Laboratory investigations revealed hepatic disorders in 5 patients (6.9%), increased luteinizing hormone (LH) and low testosterone in 2 (2.8%) and hypothyroidism in 4 patients (5.6%). According to clinical patterns, malar pattern was seen in 65.3% of patients, centro-facial in 31.9% and mandibular in 2.8% of patients. The most common skin type found to be type IV. **Conclusion:** Melasma was evident in men in their fourth decade of life; malar pattern, type IV skin type were most commonly seen.

3. Sexual Dimorphism on Renal Development According to Gestational Age in Human Aborted Fetuses.

Abraham Ratna Joseph Nayakanti, Srinivasan KR, Subhadra Devi Velichety.

J Morphol Anat 2018;2(1):110

In order to find and prevent the unknown pathologies of kidneys in infants, there is a necessity to examine the fetal growth of kidneys in utero. As a part of this a study was conducted, 50 dead fetuses were collected among which 30 are male and 20 are female. The weight, length, breadth of their kidneys is calculated with related to their each gestational age. It was found that male fetal kidneys increased in size and weighed more than female. The morphological parameters of fetal kidneys are tabulated or better understanding. Bilateral Renal agenesis and polycystic kidney disease are the most common renal anomalies in newborn infants. It is difficult to treat these conditions and lot of infants ended up with death. We concluded that, decrease or increase in fetal kidney dimensions in utero, may have various fatal pathologies in infants after birth.

4. Developmental Histogenesis of Human Foetal Vermiform Appendix at Different Gestational Ages.

Mohammad R, Kumar MV, Sreelatha S, Velichety SD.

Anat Physiol 2018;8:303.

Introduction: Vermiform appendix is a slender projection from caecum, which is not a vestigial organ but is a specialized structure having immunological function. **Aim:** The main aim of this study is to assess detailed microscopic features of human fetal vermiform appendix at different gestational ages. **Materials and Methods:** For this present study 25 vermiform appendix specimens were collected from the human aborted fetuses of 17-40 weeks gestational ages and both sexes (12 males and 13 females) were studied and appendix were processed for routine histological tissue processing and sectioning and the slides were stained with haematoxylin and eosin. **Results:** The wall of the vermiform appendix presented well differentiated 4 layers mucosa, sub mucosa, muscular coat and serosa from 17th week. At 17th week wider lumen and thick wall were observed. **Conclusion:** Further studies are necessary to elucidate the time of appearance of different types of cells in fetal appendix and their immunological functions.

5. Placental Morphometry in different Severity of Hypertensive pregnancies compared with Normotensive.

Santhi Ch, Subhadradevi V, Vijaya Ragavan R.

Res J Pharm Biol Chem Sci 2018;9(6):136-43.

Placenta is a fetal maternal organ of pregnancy, which is vital for normal growth and development of embryo. Fetal well being depends mainly on the adequate function of placenta. Any pathological processes underlying Pregnancy such as hypertension may reflect on placenta in a significant way. Hence the present study was undertaken to evaluate the morphometrical changes in different severity of hypertensive pregnancies. 140 placentas from newborns of mothers (Control-G1: 35, GH-G2: 35, PE-M-G3: 35, PE-S-G4: 35) were obtained for placental morphometry i.e placental weight, diameter, thickness, volume, circumference and statistically analyzed. The mean placental weight was found to be 424.86 ± 75.005 gms in G1, 384.29 ± 75.269 gms in G2 and 375.71 ± 78.000 gms in G3, 228.57 ± 102.387 gms in G4. The mean placental diameter was 19.08 ± 1.87 cm in G1, 17.37 ± 1.27 cm in G2, 15.47 ± 2.40 in G3, 13.18 ± 2.52 cm in G4. The mean placental thickness was observed 2.46 ± 0.56 cm in G1, 2.34 ± 0.48 cm in G2, 2.11 ± 0.40 in G3, 2.04 ± 0.39 cm in G4. The mean placental volume was 363.00 ± 87.04 ml in G1, 310.57 ± 70.99 ml in G2, 288.71 ± 86.44 in G3, 191.43 ± 91.59 ml in G4. The mean placental circumference 58.40 ± 4.78 cm in G1, 54.86 ± 5.673 cm in G2, 51.49 ± 7.540 cm in G3, 41.23 ± 8.958 in G4. All the Hypertensive groups have shown a significant marked variation in placental parameters than normotensive pregnancies. Among the hypertensive group, morphometrical changes were more predictive in severe preeclampsia.

6. Morphometric Analysis of Human Fetal Renal Development Classified According to Various Gestational Periods.

Abraham Ratna Joseph Nayakanti, Srinivasan KR, Subhadra Devi V, Koteswary R.

Indian J Anat 2018; 7(3):332-4.

Background: Development of human kidney runs through a series of continual and mutually dependent changes during which kidney obtains its morphological and functional maturity. The evaluation of fetal morphometrical growth parameters have been subject of increased awareness for

the assessment of fetal growth and development and prenatal diagnosis of renal anomalies, genetic counseling and treatment of prenatal renal disorders like Wilm's tumor, multicystic renal dysplasia, hydronephrosis. **Materials and Methods:** This work was conducted in different medical institutions in south India. A total of 50 dead fetuses of both sexes in which 20 female and 30 male collected from places with relevant clinical history were utilized for the present study. **Results:** The collected fetal kidneys were observed for their weight, height, thickness and width. The results were analyzed according to gestational age and recorded in separate classified tables. **Conclusion:** The knowledge about fetal kidney morphometry according to their gestational age may be helpful in understanding different congenital and malformations of kidney

7. Dermatoglyphic pattern differences in females with Reproductive system cancers and its scope in preventive care.

Sofia P, Subhadra Devi Velichety, Chandrasekharan PA, Raviprabhu G.

Acad Anat Int 2018;4(2):32-6.

Aims and Objectives: To analyze the prints of different cancers, to analyze the results, compare with controls and observe the differences in main parameters of dermatoglyphic patterns and to determine a specific pattern for specific cancers. **Subjects and Methods:** This is a prospective, observational and an analytical study started after the approval by Institutional Ethical Committee of S.V. Medical College, Tirupati. The material for the study consisted of finger and palm prints of outpatients and inpatients of the Department of OBG, Tirupati, Cancer Hospital in and around Tirupati, Nellore and Kadapa. The ink prints of each finger and palm were collected and analyzed. **Results:** Ridge counts, digital patterns and main line formulae observed in different cancers in the present study were analyzed and presented. Mean TFRC was higher in normal group. Greater AFRC was observed in cancer cervix patients when compared to controls. In the present study, there is no difference ($p > 0.05$) in a-b ridge count among carcinoma of cervix and control group in both hands. Differences of mean atd, tad and tda angles among the groups are not statistically significant ($P > 0.05$). The most common C main line termination pattern of cancers are U followed by R and then Ab. IV interdigital area of both hands presented less incidence of loop pattern in cancer cases when compared to normal group. Special

findings in respective cancers are discussed separately and they are not found in any other literature. **Conclusion:** There are very limited studies in literature on dermatoglyphic pattern in female reproductive cancers. If large number of studies are done and a specific pattern is established for specific cancers, then it becomes cost-effective to people so that a risk is predicted beforehand in any disease and preventive methods can be employed at an early age as the dermatoglyphic patterns do not change in a life time.

8. A cadaveric study of coronary arteries in Rayalaseema population of Andhra Pradesh.

Vasudeva Reddy J, Sreekanth C, Lokanadham S.

Indian J Clin Anat Physiol 2018;5(4).

Background: Majority of the sudden cardiac deaths were due to anomalous origin and distribution of the coronary arteries. **Aim:** To study the arterial vascular pattern of the human heart by using dissection method in Rayalaseema population. **Materials and Methods:** A total of 80 human fresh heart specimens were obtained from the Department of Forensic Medicine, S.V. Medical College, Tirupati for the present study. **Results:** We have observed the right and left coronary arteries arising from the single coronary ostia (Left-80, right-76) and the two coronary ostia have noted in 4 specimens of right coronary artery. Right and left dominance circulation was noted more in males than females. We have also observed double posterior interventricular branches arising from the right and left coronary arteries showing the balanced type of coronary circulation in 2 (Male-1; Female-1) hearts. **Conclusion:** Arterial pattern and its variations are important to prevent false interpretation of the arterial angiograms in management of coronary artery diseases

9. Significance of Body Mass Index In Relation To Renal Dimensions by Using Ultrasonograph-A Clinical Study

Sunil Kumar U, Ajay Prasad V, Vasudeva Reddy J.

Int Organ Sci Res J of Dental Med Sci 2018;17(4):6-13.

Objective: The Present Study Is A Sincere Effort On Morphometric Study Of Kidney In Healthy Subjects Using Various Parameters (Length, Width, Cortical Thickness, Renal Size And Renal Volume) Of Right And Left Kidneys In Normal Subjects Without Any Known Renal Diseases

In Relation To Height, Weight, And Body Mass Index.

Design & Setting: The Ultrasonographic Measurement Of Kidneys Were Taken In 67 Healthy Persons Aged 15 - 80 Years And Screened For Renal Dimensions In Healthy Subjects In The Department Of Radiology At Sri Venkateswara Institute Of Medical Sciences And Hospital, Tirupati. Comparative Analysis Of Mean Values Of All Renal Parameters Between Right And Left Kidney, Males And Females, And With Age, Height, Weight And Bmi Of The Subject Are Done By Means Of T - Test And Difference Among The Two Groups Are Considered To Be Significant If $P < 0.05$. **Results:** In General, Considering The Available Data It Is Observed That All The Parameters Are Relatively More In Males Than Females, And The Data Analysis Reveal That All The Parameters Are More In Relation To The Left Kidney Than The Right One. **Conclusion:** The Ultrasonography Method Forms Important Tool For Investigating Renal Pathologies And For Which The Normal Renal Data of Various Parameters is Necessary.

10. Utility of Saliva for Measurement of Thyroid Hormones.

Naresh S, Bitla AR, Sachan A.

Indian J Med Biochem 2018;22(1):36-40.

Introduction: Saliva as an alternative biological fluid of choice to blood in diagnosing systemic diseases evolved due to its noninvasive nature of collection. There is little information on the levels of thyroid stimulating hormone (TSH, thyrotropin) and T3 levels in saliva. The study was thus taken up to study the suitability of saliva for measurement of thyroid hormones in comparison to serum. **Materials and methods:** Fasting saliva and serum samples were collected from 30 healthy individuals for the measurement of total T3 (TT3), total T4 (TT4), TSH, free T3 (FT3), and free T4 (FT4). Timed samples were collected from 10 subjects for the evaluation of diurnal variation. **Results:** The thyroid hormones studied, i.e., TT3, TT4, FT4 and TSH were significantly higher in serum when compared to saliva ($p < 0.01$). A significant positive correlation was found between serum and salivary TSH ($r = 0.420$, $p = 0.001$). Variations in salivary TSH reflected the pattern seen in serum TSH. However, there was a lack of agreement between the measurement of TSH in serum and saliva when assessed using Bland Altman and Mountain plots. **Conclusion:** Saliva cannot be used as an alternate sample for analysis of thyroid hormones

11. Ischemia Modified Albumin Levels in Patients with Diabetic Nephropathy.

Udaya Bhaskar K, Harini Devi N, Aparna R. Bitla, Srinivasa Rao PVLN, Siva Kumar V, Alok Sachan.

Turk J Endocrinol Metab 2018;22(3):145-50.

Objective: Diabetic nephropathy is a frequent complication of diabetes mellitus and is a common cause of the end-stage renal disease. Diabetic nephropathy should be detected and treated at the early microalbuminuria stage, which is potentially reversible. Microalbuminuria used as a gold standard to determine the degree of advancement of diabetic nephropathy has certain limitations; hence, additional markers are being sought for the early identification of diabetic complications. Ischemia-modified albumin, an oxidative stress marker, has been shown to be associated with diabetic complications. **Aim of the study:** The present study is undertaken to evaluate ischemia-modified albumin as a useful marker in estimating kidney dysfunction in patients with diabetic nephropathy along with urine microalbumin and creatinine. **Material and Methods:** This was a case-control study that enrolled 40 patients with diabetic nephropathy and 40 age- and gender-matched controls. All biochemical parameters were analyzed on a Beckman Coulter Unicel DXC 600 clinical chemistry auto analyzer, Galway, Ireland. Ischemia-modified albumin was estimated by the albumin cobalt binding test using a Perkin Elmer Lambda 25 spectrophotometer. **Results:** Compared with controls, urine microalbumin and ischemia-modified albumin levels were significantly increased in patients with diabetic nephropathy ($p < 0.001$). Ischemia-modified albumin levels showed a significant positive correlation between creatinine and microalbumin in patients with diabetic nephropathy. Ischemia-modified albumin showed the high sensitivity of 92.5% and specificity of 97.5% than microalbumin did. **Conclusion:** The results suggest that simultaneous measurement of ischemia-modified albumin with other parameters such as creatinine and microalbumin might be useful in identifying early kidney dysfunction in patients with diabetes mellitus.

12. Epitope-driven common subunit vaccine design against H. pylori strains.

Pasala C, Chilamakuri CSR, Katari SK, Madhulitha Nalamolu R, Bitla AR, Aminen U.

J Biomol Struct Dyn 2018;24:1-11.

The developing potent vaccine is a pre-emptive strategy to tackle drug abuses and maladies of multidrug-resistant *Helicobacter pylori* strains. Ongoing vaccine studies are being conducted, however, development is in its infancy as ineffective vaccine targets might be. So, the linear perspective may indicate the need for potent subunit vaccine variants. Here, surface-exposed membrane proteins out of 826 common proteins of 53H. pylori strains were chosen for analysis, as a follow-up to previous studies; these proteins are responsible for antigenicity to elicit the immune response. Antigenic determinant regions on prognostic targets were evaluated in the successive peptide screening using experimental T-cell epitope positive control and optimized with eminent immunoinformatics algorithms. In the milieu of docking, an ensemble of 2200 multiple conformers of complexes of modeled peptide and human leukocyte antigen- antigenD Related Beta-chain (HLA-DRB) was generated. Prioritized physics-based Molecular Mechanics-Generalized Born Surface Area approach coupled with bond length monitoring paved the improvement of prediction accuracy with binding potency estimations. ΔG_{bind} free energy, interaction patterns, enrichment factor contributions and root-mean-square deviation predictions evidenced the existence of better binding affinities of four novel peptides hits with predominant allotype HLA-DR alleles than co-crystal controls. Moreover, conformational plasticity and stability assessments of the better ranked complex epitope-2 (86-FRRNPININV-94) - HLA-DRB5*0101 formulated in dynamic simulations of 10,416 trajectories depicted stable interaction profile that correlated with docking endpoints. Thus, the proposed novel vaccine cocktails of the study would be ideal candidates and provide new insights for T-cell driven subunit vaccine design against H. pylori strains

13. An in silico study: Novel targets for potential drug and vaccine design against drug resistant H.

Pasala C, Chilamakuri CSR, Katari SK, Nalamolu RM, Bitla AR, Umamaheswari A.

Pylori Microb Pathog 2018;122:156-61.

Gastric cancer risk and adverse ramifications by augmented multi-drug resistance (MDR) of *Helicobacter pylori* are alarming serious health concern. Combating through available drugs is a difficult task due to lack of appropriate common targets against genetically diverse strains. To improve efficacy, the effective targets should be identified and critically assessed. In the present study, we aim to

predict the potential novel targets against H. pylori strains by employing computer aided approach. The genomic dataset of 53 H. pylori strains was comparatively processed and eventually predicted 826 'conserved gene products'. Further, we performed subtractive genomic approach in search of promising crucial targets through the combination of in silico analyses. Codon adaptation index (CAI) value calculation and literature surveys were also done in order to find highly expressed gene products with novelty. Consequently, four enzymes and three membrane proteins were prioritized as new therapeutic and vaccine targets respectively which found to have more interactors in network with high-confidence score, druggability, antigenicity and molecular weight <110/kDa. Therefore, our results underpin the importance of new targets may counteract with false-positive/negatives and facilitate appropriate potential targets for a new insight of reliable therapeutic development.

14. Carbamylated hemoglobin can differentiate acute kidney injury from chronic kidney disease.

Naresh Y, Srinivas N, Vinapamula KS, Pullaiah P, Rao PS, Sivakumar V.

Indian J Nephrol 2018;28:187-90.

Carbamylated hemoglobin (CarHb) was found to have a potential role in the differentiation of patients with acute kidney injury (AKI) from chronic kidney disease (CKD). This study was aimed at the evaluation of the diagnostic performance and usefulness of CarHb in the differentiation of AKI from CKD. Forty patients with renal disease and twenty age- and sex-matched healthy controls were included in the study. Urea, creatinine, Hb, and CarHb were measured in all the subjects. Patients with AKI and CKD were found to have significantly increased levels of CarHb when compared to controls ($P < 0.05$ for both groups). Patients with CKD had significantly increased levels of CarHb when compared to patients with AKI ($P < 0.05$). CarHb showed significant positive correlation with urea in patients with renal disease ($r = 0.776$, $P < 0.0001$). Significant area under curve (AUC = 0.840, $P < 0.0001$) was obtained for CarHb and a cut-off value of 98.33 $\mu\text{g VH/g Hb}$ resulted with the best combination of 85% sensitivity and 75% specificity. CarHb may provide clinical utility since patients with AKI and CKD have similar clinical presentation usually. A cut-off value of 98.33 $\mu\text{g VH/g Hb}$ has been found to be useful to differentiate AKI from CKD.

15. Protein carbonyls and protein thiols in rheumatoid arthritis.

Pullaiah P, Suchitra MM, Siddhartha Kumar B.

Int J Res Med Sci 2018;6(5):1738-41.

Background: Oxidative stress (OS) has an important role in the pathogenesis and progression of rheumatoid arthritis (RA). OS causes protein modification, thereby impairing the biological functions of the protein. This study was conducted to assess the oxidatively modified protein as protein carbonyl content and the antioxidant status as protein thiols, and to study the association between protein carbonyls and protein thiols in RA. **Methods:** Newly diagnosed RA patients who were not taking any disease modifying anti-rheumatic drugs were included into the study group (n=45) along with age and sex matched healthy controls (n=45). Serum protein carbonyl content and protein thiols were estimated. **Results:** Elevated protein carbonyl content and decreased protein thiol levels ($p<0.001$) were observed in RA. A significant negative correlation was observed between protein carbonyl content and protein thiol levels ($p<0.001$). **Conclusions:** Oxidative stress in RA is evidenced by enhanced protein oxidation and decreased antioxidant protein thiol levels. Decreased protein thiols may also reflect protein modifications leading to compromise in the antioxidant properties. This oxidant and antioxidant imbalance needs to be addressed by therapeutic interventions to prevent disease progression.

16. A Study of markers of oxidative stress, inflammation and Endothelial dysfunction in End-Stage Renal Disease patients with Hepatitis C virus positive status on maintenance Hemodialysis.

Krishna Kishore Ch, Harini Devi N, SrinivasaRao PVLN, Lakshmi A Y, Siva Kumar V.

J Clin Diagnos Res 2018;12(6):17-20.

Introduction: Hepatitis C Virus (HCV) infection is the significant cause of morbidity and mortality in Haemodialysis (HD) patients and kidney transplant recipients. HD technique may contribute to in maintaining the inflammatory state in many HD patients. Oxidative stress, inflammation and endothelial dysfunction are common in patients with End-Stage Renal Disease (ESRD). **Aim:** To assess the possible relationships between oxidative stress, inflammatory and endothelial dysfunction markers with HCV positive status on maintenance HD. Materials

and Methods: The study enrolled 22 patients with ESRD, seropositive for HCV; 22 patients with ESRD, seronegative for HCV on maintenance HD and 19 healthy subjects as controls. In the present study, high sensitivity C-reactive protein (hs-CRP) was estimated by immunoturbidimetry method, Homocysteine (Hcy) was estimated by enzymatic recycling method, Malondialdehyde (MDA), Ferric Reducing Ability of Plasma (FRAP) and Nitric oxide (NO) were estimated by spectrophotometric method and Carotid Intima Media Thickness (CIMT) was estimated by Carotid Ultrasonography. **Results:** There is statistically significant increase in serum MDA, Hcy, hs-CRP, CIMT levels and statistically significant decrease in serum NO and FRAP levels in HCV positive and HCV negative groups when compared to controls. Correlation analysis of CIMT with other markers in the study showed statistically significant negative correlations among CIMT with FRAP and NO and statistically significant positive correlations among CIMT with hsCRP and Hcy but no association with MDA. **Conclusion:** Oxidative stress, inflammation, and endothelial dysfunction might be associated with HCV infection in ESRD patients on maintenance HD.

17. Pill burden, drug class distribution and financial burden for buying medicines in different modalities of chronic kidney disease patients: cross-sectional study.

Pavithra C, Harini Devi N, Lalith Kumar P, Lakshmi Sowjanya N, Anitha K, Siva Kumar V.

Int J Pharm Pharmaceutical Sci 2018;10:165-70.

Objective: The objective of the study was to assess the pill burden (PB), drug class distribution and financial burden for buying medicines in different treatment modalities of chronic kidney disease (CKD) patients. **Methods:** A prospective, cross-sectional study was performed in 244 CKD patients and they were divided into 4 groups as follows: pre-dialysis patients (stages 1-5) as group 1, hemodialysis (HD) patients as group 2, peritoneal dialysis (PD) patients as group 3 and renal transplant recipient (RTR) patients as group 4. Data was collected in pre-designed form through direct patient interaction. **Results:** Out of 244 CKD patients, PB considering the total number of pills/d in different modalities is 12 ± 5 in pre-dialysis, 10 ± 3 in HD, 13 ± 5 in PD, 14 ± 7 in RTR and for the number of drug classes/d in different modalities is 7 ± 3 in pre-dialysis, 7 ± 2 in HD, 8 ± 3 in PD and 9 ± 3 in RTR. On average mean PB in a number of pills/d is 12 ± 5 and number of drug

classes/d is 8 ± 3 . Among all the patients, the RTR individuals are having high medicinal expenditure in comparison to the other modalities. **Conclusion:** PB for the number of pills/d is highest in RTR and almost similar in different modalities. Great improvement in reducing the PB as well as financial burden directly or indirectly improves the patient compliance as well as the quality of life.

18. Antibigram and management outcomes of culture positive peritonitis in patients with end stage renal disease on continuous ambulatory peritoneal dialysis.

Yerra Monika, Minnal Devarajan Priyanka, Musolu Chandu, Harini Devi N, Siva kumar V.

Int J Pharma Sci Res 2018;9(9):121-7.

Background: Continuous ambulatory peritoneal dialysis (CAPD) is a widely used standard therapeutic modality for renal replacement therapy in End stage renal disease patients. Peritonitis is a common problem in patients undergoing CAPD and represents the most frequent cause of hospitalization, peritoneal catheter loss, frequent touch contamination, technique failure, discontinuation of CAPD, and mortality. Antibigram is a profile of antimicrobial susceptibility of particular organism. **Aim and objectives:** With this background the present was undertaken to measure Antibigram and management outcomes of culture positive peritonitis in patients of end stage renal disease on Continuous ambulatory peritoneal dialysis. **Materials and methods:** This was a hospital based retrospective observational study was carried out during the period of 2015-2017 worked on 40 patients in department of nephrology ward at Sri Venkateswara Institute of Medical Sciences Hospital, Tirupati. **Result:** E. coli was the most predominant pathogen isolated from peritoneal fluid samples. **Conclusion:** The present study findings suggest that gram negative bacterial infections are the predominant cause for peritonitis over gram positive bacterial infections related peritonitis. With effective antibiotic therapy, over two third of patient's recovered safe with gram positive and gram negative culture positive peritonitis.

19. Evaluation of adenosine deaminase activity in serum and pleural fluid of pulmonary tuberculosis patients with pleural effusion.

Malempati UD, Medooru KK.

Int J Res Med Sci 2018;6:3358-63.

Background: In endemic regions, a high adenosine deaminase (ADA) activity in lymphocyte predominant exudate is a valuable adjunct in diagnostic evaluation and treatment initiation in tuberculous pleural effusion. Tuberculosis is highly endemic in India, requiring prompt diagnosis, effective treatment and control of the disease. The present study was aimed to evaluate the serum and pleural fluid ADA activities in pulmonary tuberculosis patients with pleural effusion. **Methods:** This study includes a total of 240 subjects; 40 pulmonary tuberculosis patients (PTB), 40 PTB with pleural effusion (PE), 40 PTB treated for one month, 40 healthy controls, 40 transudative PE patients and 40 nontuberculous exudative PE patients, between 20-70 years of age. ADA activity was estimated by the Guisti-Galanti method along with routine parameters in all study subjects. **Results:** Serum ADA activity was significantly higher ($p < 0.001$) in PTB with PE (37.68 ± 12.42 U/L) than healthy controls (12.15 ± 5.38 U/L), transudative PE (22.43 ± 9.12 U/L), nontuberculous exudative PE (16.92 ± 4.98 U/L) and treated PTB (19.39 ± 4.54 U/L). Pleural fluid ADA activity was significantly higher ($p < 0.0001$) in PTB with PE (78.94 ± 36.75 U/L) than in transudative PE (11.25 ± 3.12 U/L) and nontuberculous exudative PE (17.56 ± 10.42 U/L). ADA activity was significantly higher ($p < 0.001$) in pleural fluid than serum in PTB with PE. Lymphocyte percentage was significantly higher ($p < 0.001$) in pleural fluid (86.57 ± 9.64) than peripheral blood (37.48 ± 8.49) in PTB with PE. **Conclusions:** The pleural fluid ADA activities were elevated in lymphocyte predominant exudates of PTB patients with PE from endemic regions, prompting treatment initiation in high suspicion cases with elevated ADA activity.

20. Biomarkers of oxidative stress and inflammation in patients with Rheumatoid Arthritis.

Silpa T, Madhavi K, Laxmi P, Nagadas P.

Saudi J. Med. Pharm. Sci 2018;4:879-3.

Rheumatoid arthritis (RA) is a chronic, autoimmune, systemic disease, characterized by polyarthritis, erosive synovitis and sometimes shows multi system involvement. Oxidative damage induced by reactive species has been related to the pathophysiology of RA. The inflammation in the joints leads to joint damage and thus influences the quality of life in these patients. This work was undertaken to determine oxidative stress markers in patients with rheumatoid arthritis and to observe its correlation with inflammatory markers. Malondialdehyde (MAD) and

Nitric oxide (NO) are estimated as the markers of oxidative stress and High sensitivity C-reactive protein (hsCRP) is measured as a marker of inflammation. A cross-sectional study in rheumatoid arthritis patients and healthy controls was done. We included 40 rheumatoid arthritis patients and 40 healthy controls. MDA, NO and hsCRP are measured in all the subjects. Statistical analyses were done using SPSS statistical software version 17.0. MDA, NO and hsCRP levels were increased in RA patients when compared to controls ($p < 0.01$) and a positive correlation between the inflammatory marker and oxidative stress markers was also observed in these patients. The value of R is 0.7277 for MDA and hsCRP where as R value is 0.6153 for NO and hsCRP. The findings of present study support the concept of oxidative stress leading to tissue damage and inflammation. The positive correlation between inflammation and oxidative stress in these patients indicate the importance of correction of oxidative stress along with inflammation, further large and well controlled studies are needed to establish the role of anti oxidants in treatment protocols of RA patients.

21. A Comparative Study of Lipid Profile and Atherogenic Index of Plasma among Women with Rheumatoid Arthritis and without Rheumatoid Arthritis

Silpa Thota, Madhavi Kondeti, Palla Nagadasaiah, Pasupurekula Laxmi.

J Med Sci Health Res 2018;6(8):452-8.

The clinical association between Rheumatoid arthritis (RA) and cardiovascular diseases (CVD) is important as the patients with rheumatoid arthritis are more prone to cardiovascular morbidity and mortality. Dyslipidemia appears to be present very early in the RA disease process which contributes to accelerated atherosclerosis among these individuals. Female gender is considered as risk factor for rheumatic diseases. So, this study aims at comparing the lipid profile levels and Atherogenic index of plasma (AIP) among women with RA and women without RA. This observational study was conducted totally on 80 women in the age group of 30 to 60 years. Among them 40 women were clinically diagnosed with RA (as per 1987 ACR criteria) who are taken as group 1 and 40 women were without RA who are taken as group 2. Serum lipid profiles parameters were estimated and Atherogenic index of plasma was calculated. These values were expressed in mean \pm standard deviation. The values are compared

among both the groups and statistical significance was observed. Serum total cholesterol(TC), triglycerides(TAG), low density lipoprotein(LDL), very low density lipoproteins(VLDL) and Atherogenic index of plasma were significantly increased in women with RA and high density lipoprotein(HDL) was significantly decreased in women with RA when compared with women without RA. Women with RA are characterized by atherogenic lipid profile in comparison with women without RA. Early diagnosis and treatment of RA along with screening of hyperlipidemias can reduce cardiovascular related mortality and morbidity in these patients.

22. Dietary Recall and Nutritional Index in Continuous Ambulatory Peritoneal Dialysis Patients.

Sasanka P, Geetha K, Kiranmayi VS, Sivakumar Vishnubhotla.

The Indian J Nut Diet 2018;55(3):345-55

Maintenance of good nutrition forms an important component of management of Continuous Ambulatory Peritoneal Dialysis (CAPD) patients and can be achieved through regular assessment of dietary nutrient intake, appropriate dietary advice and monitoring of patient compliance with respect to adherence to dietary advice. Thirty one patients (18 males and 13 females) undergoing CAPD were studied. Information on their dietary intake was collected by dietary recall method. Data was analysed using nutrition software, "dietsoft" and dietary intake of various food components was compared with the prescribed and recommended allowance. Nutritional Risk Index (NRI) score was calculated to assess severity of malnourishment. Mean calorie intake was as per recommendation; carbohydrate and protein intake was lesser and fat intake was more than recommended intake in males and females. All essential amino acids measured in the diet of females was more than recommended levels; in males, intake of lysine, threonine, tryptophan and histidine was more and that of methionine was less than the recommendation. Among minerals measured, both groups of patients consumed lower amounts of sodium, potassium, iron, zinc and magnesium, and higher amounts of phosphorus than recommended. The intake of riboflavin, pyridoxine, niacin and vitamin A was lower in both groups, whereas in males, there was a deficient intake of thiamine, vitamin B12 and vitamin C also. 27% of the patients were at risk of severe malnourishment. Findings showed deficient intake of a majority of nutrients by CAPD patients

which might result in adverse clinical outcomes. Thus, there is a need for periodical evaluation and appropriate modification of the diet plan of patients undergoing CAPD. The dietary assessment helps in monitoring adherence of patients to dietary advice, timely identification of deficient intake, and initiation of supplementation, if required.

23. Synthesis, molecular docking studies and antimicrobial activity of Mannich bases of thiazolidine-2,4-diones.

Swapna D, Rajitha G, Umamaheswari A, Sudheer Kumar K.

Int Res J Pharm 2018;9(11):138-44.

The aim of study was to synthesize a new series of mannich bases of thiazolidine-2,4-diones. A new series of mannich bases of thiazolidine-2,4-diones have been synthesized by mannich base reaction between 5-substituted thiazolidine-2,4-dione, acetanilide and aromatic aldehydes. The structure of these compounds was established by IR, ¹H NMR and Mass spectroscopy. The synthesized mannich bases of thiazolidine-2,4-diones were subjected to molecular docking studies with dihydropteroate synthase (DPHS, PDB ID: 3TYE) by using XP GLIDE module of Schrodinger suite and in silico studies by molinspiration online tool. These new compounds (3a-3i) were evaluated for their antimicrobial activity. The compounds 3g and 3h showed good activity against bacteria *Salmonella paratyphi*, *Escherichia coli* and fungi *Aspergillus niger*, *Colletotrichum coffeanum* comparable to that of standard drugs streptomycin and griseofulvin. Molecular docking studies showed the compound 3h showed good docking score of -5.419 with target protein dihydropteroate synthase.

24. Epitope-driven common subunit vaccine design against *H. pylori* strains.

Pasala C, Chilamakuri CSR, Katari SK, Madhulitha Nalamolu R, Bitla AR, Aminen U.

J Biomol Struct Dyn 2018;24:1-11.

The developing potent vaccine is a pre-emptive strategy to tackle drug abuses and maladies of multidrug-resistant *Helicobacter pylori* strains. Ongoing vaccine studies are being conducted, however, development is in its infancy as ineffective vaccine targets might be. So, the linear perspective may indicate the need for potent subunit vaccine variants. Here, surface-exposed membrane

proteins out of 826 common proteins of 53H. pylori strains were chosen for analysis, as a follow-up to previous studies; these proteins are responsible for antigenicity to elicit the immune response. Antigenic determinant regions on prognostic targets were evaluated in the successive peptide screening using experimental T-cell epitope positive control and optimized with eminent immunoinformatics algorithms. In the milieu of docking, an ensemble of 2200 multiple conformers of complexes of modeled peptide and human leukocyte antigen- antigenD Related Beta-chain (HLA-DRB) was generated. Prioritized physics-based Molecular Mechanics-Generalized Born Surface Area approach coupled with bond length monitoring paved the improvement of prediction accuracy with binding potency estimations. ΔG_{bind} free energy, interaction patterns, enrichment factor contributions and root-mean-square deviation predictions evidenced the existence of better binding affinities of four novel peptides hits with predominant allotype HLA-DR alleles than co-crystal controls. Moreover, conformational plasticity and stability assessments of the better ranked complex epitope-2 (86-FRRNPINIV-94) - HLA-DRB5*0101 formulated in dynamic simulations of 10,416 trajectories depicted stable interaction profile that correlated with docking endpoints. Thus, the proposed novel vaccine cocktails of the study would be ideal candidates and provide new insights for T-cell driven subunit vaccine design against *H. pylori* strains.

25. In silico Prediction, Characterization, Molecular Docking, and Dynamic Studies on Fungal SDRs as Novel Targets for Searching Potential Fungicides Against Fusarium Wilt in Tomato.

Aamir M, Singh VK, Dubey MK, Meena M, Kashyap SP, Katari SK, Upadhyay RS, Umamaheswari A, Singh S

Front. Pharmacol 2018;9:1038.

Vascular wilt of tomato caused by *Fusarium oxysporum* f.sp. *lycopersici* (FOL) is one of the most devastating diseases, that delimits the tomato production worldwide. Fungal short-chain dehydrogenases/reductases (SDRs) are NADP(H) dependent oxidoreductases, having shared motifs and common functional mechanism, have been demonstrated as biochemical targets for commercial fungicides. The 1,3,6,8 tetra hydroxynaphthalene reductase (T4HNR) protein, a member of SDRs family, catalyzes the naphthol reduction reaction in fungal melanin biosynthesis. We retrieved an orthologous member of T4HNR, (complexed with NADP(H) and pyroquilon from

Magnaporthe grisea) in the FOL (namely; FOXG_04696) based on homology search, percent identity and sequence similarity (93% query cover; 49% identity). The hypothetical protein FOXG_04696 (T4HNR like) had conserved T-G-X-X-X-G-X-G motif (cofactor binding site) at N-terminus, similar to M. grisea (1JA9) and Y-X-X-X-K motif, as a part of the active site, bearing homologies with two fungal keto reductases T4HNR (M. grisea) and 17- α -hydroxysteroid dehydrogenase from Curvularia lunata (teleomorph: Cochliobolus lunatus PDB ID: 3IS3). The catalytic tetrad of T4HNR was replaced with ASN¹¹⁵, SER¹⁴¹, TYR¹⁵⁴, and LYS¹⁵⁸ in the FOXG_04696. The structural alignment and superposition of FOXG_04696 over the template proteins (3IS3 and 1JA9) revealed minimum RMSD deviations of the C alpha atomic coordinates, and therefore, had structural conservation. The best protein model (FOXG_04696) was docked with 37 fungicides, to evaluate their binding affinities. The Glide XP and YASARA docked complexes showed discrepancies in results, for scoring and ranking the binding affinities of fungicides. The docked complexes were further refined and rescored from their docked poses through 50 ns long MD simulations, and binding free energies (ΔG_{bind}) calculations, using MM/GBSA analysis, revealed Oxathiapiroline and Famoxadone as better fungicides among the selected one. However, Famoxadone had better interaction of the docked residues, with best protein ligand contacts, minimum RMSD (high accuracy of the docking pose) and RMSF (structural integrity and conformational flexibility of docking) at the specified docking site. The Famoxadone was found to be acceptable based on in silico toxicity and in vitro growth inhibition assessment. We conclude that the FOXG_04696, could be employed as a novel candidate protein, for structure-based design, and screening of target fungicides against the FOL pathogen.

26. Synthesis, molecular docking studies and antimicrobial activity of substituted cinnamides.

Saritha K, Rajitha G, Sudheer Kumar K, Umamaheswari A.

Int J Pharm Biological Sci 2018;8(3):770-8.

A series of substituted cinnamides were synthesized by the condensation of 4-benzylidene-2-phenyl-1,3-oxazol-5(4H)-one with cyclohexylamine in presence of ethyl alcohol at room temperature. The chemical structures of synthesized compounds were confirmed by means of IR,

¹H NMR, mass spectral and elemental analysis. All the compounds were screened for antimicrobial activity against bacterial strains Staphylococcus aureus (gram positive), Escherichia coli (gram negative) and fungal strains Penicillium chrysogenum, Penicillium notatum and Aspergillus niger by cup plate method and also in silico and molecular docking studies using XP GLIDE. Out of these compounds N-cyclohexyl-3-(4-hydroxy-3,5-dimethoxyphenyl)-2-(phenylformamido) prop-2-enamide (5) exhibited good antimicrobial activity against all the strains tested, which was comparable to standard drugs Ciprofloxacin and Fluconazole. Compound 5 also showed better docking score (-8.397) than standard drug ciprofloxacin (-4.74) predicted by XP GLIDE module of Schrodinger suite against FAB protein. All the derivatives obey Lipinski rule of five and has good bioactive scores.

27. An in silico study: Novel targets for potential drug and vaccine design against drug resistant H.

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Pylori Microb Pathog 2018;122:156-61.

Gastric cancer risk and adverse ramifications by augmented multi-drug resistance (MDR) of Helicobacter pylori are alarming serious health concern. Combating through available drugs is a difficult task due to lack of appropriate common targets against genetically diverse strains. To improve efficacy, the effective targets should be identified and critically assessed. In the present study, we aim to predict the potential novel targets against H. pylori strains by employing computer aided approach. The genomic dataset of 53 H. pylori strains was comparatively processed and eventually predicted 826 'conserved gene products'. Further, we performed subtractive genomic approach in search of promising crucial targets through the combination of in silico analyses. Codon adaptation index (CAI) value calculation and literature surveys were also done in order to find highly expressed gene products with novelty. Consequently, four enzymes and three membrane proteins were prioritized as new therapeutic and vaccine targets respectively which found to have more interactors in network with high-confidence score, druggability, antigenicity and molecular weight <110/kDa. Therefore, our results underpin the importance of new targets may counteract with false-positive/negatives and facilitate appropriate potential targets for a new insight of reliable therapeutic development.

28. Synthesis, -Biological Evaluation and Docking Studies of N-(2-benzamido feruloyl) Aryl Hydrazone Analogue

Soujanya M, Rajitha G, Umamaheswari A, Sudheer Kumar K

Drug Design Discovery 2018;15(8):875-86.

Background: Nowadays inflammation recognized as the underlying basis of number of diseases but still NSAIDS are the first drugs of choice having several side effects. In addition to that, oxidative stress also triggers the inflammation. This creates an initiation to introduce new molecules which act as efficient COX-2 inhibitors with diminished side effects. **Objective:** As a part of our search for newer agents, we designed a series of N-acylhydrazones by combining the pharmacophoric features of hydrazones with feruloyl derivatives in hope of enhancing the activity profile of title compounds. **Methods:** The title compounds (3a-l) were synthesized by the condensation of α -benzamido-(4-hydroxy-3-methoxy)-cinnamhydrazide (2) with different aromatic aldehydes in acidic conditions and characterized by elemental, spectral (IR, ¹H NMR, ¹³C NMR, MASS) data and also evaluated for antiinflammatory (in-vivo, in-vitro and docking), analgesic and antioxidant activities. **Results:** The in-vivo anti-inflammatory data revealed that compounds 3j and 3i reduced the edema by 74% and 72% respectively at 100 mg /kg which is comparable to the standard, supported by in-vitro studies (3j: 10 μ M and 3i: 16 μ M as IC₅₀) and also showed good docking scores (3j:-10.28 and 3i:- 10.13). The analgesic activity profile suggested that compounds 3j (65%) and 3e (60%) exhibited good activity by writhing test. Besides having good anti-inflammatory activity, title compounds also exhibited appreciable antioxidant potential evaluated by four in-vitro methods. Compounds 3j and 3f displayed good antioxidant potential than the standard by lipid peroxidation and DPPH scavenging methods respectively. **Conclusion:** Results suggested that the compound 3j emerged as a lead compound having multi target affinities.

29. Analgesic activity of Alpinia galanga extract in mice models and TNF-alpha receptor computational docking analysis on its leads with pharmacokinetics prediction.

Subash KR, Britto GF, Kumar KS, Umamaheshwari A, Konda VCR, Prakash BG

Int J Basic Clin Pharmacol 2018;7:446- 50.

Background: Alpinia galanga is an ayurvedic herb recognized and used across many traditional medicine systems for its analgesic and anti-inflammatory activity. The present study scientifically validates the potential anti nociceptive action of ethanolic extract of Alpinia galanga by chemical, neurogenic and inflammatory nociception model in mice followed by identification of potential lead compound by computational analysis. **Methods:** The assessment of anti nociceptive action is evaluated by Acetic acid induced abdominal constrictions and Formalin assay on ethonolic extract of Alpinia galanga, followed by 20 compounds with known chemical structure of Alpinia galanga is subjected to computational analysis to predict possible lead compound with desirable pharmacokinetic and drug like features. **Results:** The percentage inhibition rate of Aspirin (100mg/kg) was 82.15% compared to Alpinia galanga (100mg/kg) 19.63%, (200mg/kg) 33.02% and (400mg/kg) 57.13% by acetic acid induced abdominal constrictions antinociceptive mice model. Alpinia galanga 400mg/kg (71.70%) had comparable percentage inhibition of nociception to standard group indomethacin (88.71%) in formalin induced nociceptive mice model. Among 20 compounds screened for pharmacokinetic and drug like features, Galanal B had the binding free energy -56.664 when compared to control compound 2AZ5-56.000. **Conclusions:** The Alpinia galanga extract had significant anti nociceptive activity and followed by computational analysis of 20 compounds with known chemical structure predicted Galanal B as lead compound with best insilico pharmacokinetic and drug like features.

30. In vitro large scale production of megakaryocytes to functional platelets from human hematopoietic stem cells.

Santhosh Kumar P, Chandrasekhar C, Srikanth L, Sarma PVGK.

Biochem Biophys Res Commun 2018;505(1):168-175.

Megakaryocytopoiesis results in the formation of platelets, which are essential for hemostasis. Decreased production or increased destruction of platelets can cause thrombocytopenia, in which platelet transfusion is the mode of treatment. The present study is aimed in generation of megakaryocytes (MKs) and platelet from human hematopoietic stem cells (HSCs). The purity of HSCs was assessed through Flow cytometry and

immunocytochemistry (ICC) studies. These pure HSCs were induced with thrombopoietin (TPO), similarly with *Andrographis paniculata* extract (APE) for 21 days to generate MKs. The APE is mainly composed of andrographolide which stimulates TPO from the liver, and this binds to CD110 present on the surface of HSCs and triggers the proliferation of HSCs and initiate higher MKs population subsequently, a large number of platelets. The results of the present study showed increased proliferation of HSCs grown in the presence of APE and revealed a high population of CD41a and CD42b positive MKs as enumerated by Flow cytometry compared with TPO induced MKs. These results also concurred with qRT-PCR and western blot analysis. The scanning electron microscopy (SEM) revealed the morphology of differentiated MKs and platelets were similar to human blood platelets. The differentiated MKs in APE exhibited polyploidy up to 32/N while TPO induced MKs showed polyploidy of 8/N, these results corroborated with colony forming unit assay. On thrombin stimulation, high expression of P-selectin (CD62p) and fibrinogen binding were detected in APE induced platelets. Autologous transplantation of platelets generated from APE may be a useful option in thrombocytopenia condition.

31. Iron enhances the peptidyl deformylase activity and biofilm formation in *Staphylococcus aureus*.

Swarupa V, Chaudhury A, Sarma PVGK.

Biotech. 2018;8(1):32.

Staphylococcus aureus plays a major role in persistent infections and many of these species form structured biofilms on different surfaces which is accompanied by changes in gene expression profiles. Further, iron supplementation plays a critical role in the regulation of several protein(s)/enzyme function, which all aid in the development of active bacterial biofilms. It is well known that for each protein, deformylation is the most crucial step in biosynthesis and is catalyzed by peptidyl deformylase (PDF). Thus, the aim of the current study is to understand the role of iron in biofilm formation and deformylase activity of PDF. Hence, the PDF gene of *S. aureus* ATCC12600 was PCR amplified using specific primers and sequenced, followed by cloning and expression in *Escherichia coli* DH5 α . The deformylase activity of the purified recombinant PDF was measured in culture supplemented with/without iron where the purified rPDF showed K_m of 1.3 mM and V_{max} of 0.035 mM/mg/min, which was close

to the native PDF ($K_m = 1.4$ mM, $V_{max} = 0.030$ mM/mg/min). Interestingly, the K_m decreased and PDF activity increased when the culture was supplemented with iron, corroborating with qPCR results showing 100- to 150-fold more expression compared to control in *S. aureus* and its drug-resistant strains. Further biofilm-forming units (BU) showed an incredible increase (0.42 ± 0.005 to 6.3 ± 0.05 BU), i.e., almost 15-fold elevation in anaerobic conditions, indicating the significance of iron in *S. aureus* biofilms.

32. Identification and analysis of novel mutations in NFKBIL1 gene in patients with Myocardial infarction (MI) in south India.

Sreedhar Naik K, Rajasekhara D, Vanajakshamma V, Santhosh Kumar P, Sreenivasa Reddy D, Sarma PVGK.

Inter J Sci Res 2018;7(5):28-31.

NF-kappa-B inhibitor-like protein 1 (NFKBIL1) gene located on chromosome 6p21.33 is a transcription factor of importance in normal inflammatory and immune responses. NFKBIL1 gene regulates the transduction pathway in immune response, in atherosclerotic plaques and is implicated in the pathogenesis of atherosclerosis and myocardial infarction (MI). The NFKBIL1 gene is regulated through I κ B kinase proteins and any variations in this delicate balance can interfere with normal NFKBIL1 functions. Mutations in the NFKBIL1 gene result in improper functioning of transcription factor which is associated with increased susceptibility to MI. Hence we studied 100 patients diagnosed with MI and 100 apparently healthy control subjects to identify the mutations in NFKBIL1 gene. The genomic Deoxyribo Nucleic Acid (DNA) was isolated from the MI patients and control subjects and exon 2 active site of NFKBIL1 gene was polymerase chain reaction (PCR) amplified and variations observed in the Single-strand conformation polymorphism (SSCP) gel of PCR products were sequenced. The sequence analysis of exon 2 of NFKBIL1 gene showed novel mutations in 4 patients c.283G>A; p.(Asp95Asn), c.293G>T; p. (Gly98Val), c.323A>G; p.(Gln108Arg) and c.331G>T; p.(Asp111Tyr) respectively. Further, structural analysis showed mutations in exon 2 of NFKBIL1 gene affects the functioning of ankyrin repeat regions and Adenosine triphosphate (ATP) binding domains, resulting in non-functional NFKBIL1 protein in these patients and resulting increased risk of MI.

33. Spontaneous left atrial echo contrast, mitral annular systolic velocity, and left atrial appendage late emptying velocity in predicting improvement of left atrial function after percutaneous balloon mitral valvuloplasty.

Arava TN, Durgaprasad R, Velam V, Gajjala OR, Manohar SN.

Echocardiography 2018 Feb;35(2):162-9.

Background: Thromboembolic events are the major cause of morbidity and mortality in patients with mitral stenosis (MS). This study aims to investigate left atrial spontaneous echo contrast (LA SEC), mitral annular systolic velocity (Sa-wave), left atrial appendage (LAA) late emptying velocity (LAAEV), LAA filling velocity (LAAFV) pre- and postpercutaneous balloon mitral valvuloplasty (PBMV) for MS. This also aims to study the association of LA SEC with inflammatory marker, high-sensitivity C-reactive protein (hs-CRP) in MS. **Methods:** The study population consisted of 100 patients with symptomatic MS with sinus rhythm who underwent PBMV. Transthoracic echo (TTE), tissue Doppler imaging (TDI), and transesophageal echo (TEE) examinations were carried out before and 14 days following PBMV. High-sensitivity C-reactive protein (hs-CRP) was measured at the time of admission. **Results:** The mean age was 33.2 ± 10.3 years with female preponderance (71%). There was a decrease in SEC grading, (pre-PBMV 2.8 ± 0.9 and post-PBMV 0.4 ± 0.1 ; $P < .01$), increase in LAAEV (pre-PBMV 23.0 ± 7.9 cm/s and post-PBMV 40.9 ± 8.4 cm/s; $P < .01$), and LAAFV (pre-PBMV 31.8 ± 9.3 cm/s and post-PBMV 51.2 ± 8.7 cm/s; $P < .01$). A significant positive correlation was present between LAAEV and Sa-wave ($r = .52$, $P < .01$). Correlation between hs-CRP and SEC was positive and significant ($r = .33$, $P < .01$). Optimal cutoff value of hs-CRP for prediction of moderate to dense SEC was >2.3 mg/dL, the cutoff value of Sa-wave was >5.5 cm/s for prediction of the presence of inactive LAA (LAAEV < 25 cm/s). **Conclusion:** Mitral annular systolic velocity (Sa-wave) is an independent predictor of inactive LAA and a useful parameter in estimating inactive LAA in MS. Sa-wave and hs-CRP are independent predictors for SEC. PBMV improves LAA function in patients with MS.

34. Role of CIMT, eGFR, and Serum HbA1c in Predicting CAD in Non-Diabetic Patients Undergoing Elective Coronary Angiography.

Kapil C, Rajasekhar D, Vanjakshamma V, Kranthichaitanya D, Narendra CH.

World J Cardiovasc Dis 2018;8:1-10.

Background: Pre-diabetic state, renal function, atherosclerosis burden are the major predictors for development of coronary artery disease (CAD). Present study aims to analyze the role of carotid intima-media thickness (CIMT), glomerular filtration rate (eGFR) and serum glycosylated hemoglobin (HbA1c) levels in predicting CAD on coronary angiography in non-diabetic patients. **Methods:** CAD and its severity according to SYNTAX score (SX score) was evaluated in 450 non-diabetic patients hospitalized with acute coronary syndrome or stable angina and underwent coronary angiography. CIMT, eGFR, and serum HbA1c values were obtained during admission. Spearman correlation and linear regression were used in the analysis of the data. Receiver operating characteristic (ROC) curve was constructed to calculate cutoff values, area under curve (AUC), sensitivity and specificity. **Results:** Statistically significant positive correlation was observed between HbA1c ($r: 0.242$, $p = 0.001$); CIMT ($r: 0.231$, $p = 0.001$), patient's age ($r: 0.148$, $p = 0.002$) and SX score, whereas eGFR was negatively correlated ($r: -0.148$, $p = 0.002$). On regression analysis, CIMT, eGFR, HbA1c and patient's age collectively predicted 36% of change in the SYNTAX score. Patient's age > 56 years (AUC = 0.622), CIMT > 0.86 mm (AUC = 0.642), HbA1c > 6 (AUC = 0.620), eGFR < 92 ml/min/1.73 m² (AUC = 0.601) were the cutoff values on ROC curve analysis. CIMT, HbA1c had relatively high specificity (88.5%, 90.2% respectively) and eGFR had relatively high sensitivity (71.3%) among the studied variables in predicting CAD in present study. **Conclusions:** CIMT, HbA1c, eGFR and patient's age at the time of admission predict CAD in non-diabetic patients undergoing coronary angiography.

35. Correlation of plasma 25-hydroxy-vitamin D level with angiographic severity in coronary artery disease.

Kalyan Muvva Venkateswarlu, Rajasekhar Durgaprasad, Alok Sachan, Sudhakar Reddy Pathakota, C.H. Narendra, Sreedhar Naik Kanavath

J Indian College Cardiol 2018;8:57-60.

Introduction: Over the past decade, numerous non-skeletal diseases have been reported to be associated with

vitamin D deficiency including coronary artery disease (CAD). Several factors such as dyslipidemia, diabetes and hypertension have a determining role in cardiovascular disease. In recent years, the effect of vitamin D deficiency on cardiovascular (CV) disease has been emphasized. CAD is a major public health problem worldwide. This study correlates plasma 25-hydroxy-vitamin D [25(OH)Vit D] level with angiographic severity (Gensini score) in CAD. This study compares vitamin D levels in CAD patients with the control group. **Methods:** In this cross-sectional study, 25(OH)Vit D level was compared in 300 individuals including 230 people with confirmed coronary heart disease (cases) and 70 people with normal angiogram (controls). 25(OH)Vit D was assessed using standard protocol. The level of 25(OH)Vit D under 20 ng/mL was determined as cutoff point for deficiency. **Results:** The mean 25(OH)Vit D levels of cases and controls were calculated and they were 15.2 ± 8.2 and 19.9 ± 8.7 ng/mL respectively. The mean 25(OH)Vit D level was higher in controls and was statistically significant ($p = 0.02$). The calculated odds ratio between cases and controls was 1.67 (CI 0.39–4.84). There was no correlation between increasing severity of coronary artery disease with 25(OH)Vit D levels ($r = -0.10$; and $p = 0.08$). **Conclusions:** Vitamin D deficiency is a relatively common disorder. Risk of cardiovascular disease in people with vitamin D deficiency is almost 1.7 times of those with normal levels of vitamin D. To confirm the casual relationship between vitamin D and cardiovascular disease, larger studies are suggested.

36. Correlation of epicardial adipose tissue thickness with severity of coronary atherosclerosis by SYNTAX score, carotid intima-media thickness and metabolic syndrome.

Kranthi Chaitanya D, Rajasekhar D, Vanajakshamma V, Kapil C.

J Indian College Cardiol 2018;6:68-72.

Introduction: Over the past decade, numerous non-skeletal diseases have been reported to be associated with vitamin D deficiency including coronary artery disease (CAD). Several factors such as dyslipidemia, diabetes and hypertension have a determining role in cardiovascular disease. In recent years, the effect of vitamin D deficiency on cardiovascular (CV) disease has been emphasized. CAD is a major public health problem worldwide. This study correlates plasma 25-hydroxy-vitamin D [25(OH)Vit D] level with angiographic severity (Gensini score) in CAD.

This study compares vitamin D levels in CAD patients with the control group. **Methods:** In this cross-sectional study, 25(OH)Vit D level was compared in 300 individuals including 230 people with confirmed coronary heart disease (cases) and 70 people with normal angiogram (controls). 25(OH)Vit D was assessed using standard protocol. The level of 25(OH)Vit D under 20 ng/mL was determined as cutoff point for deficiency. **Results:** The mean 25(OH)Vit D levels of cases and controls were calculated and they were 15.2 ± 8.2 and 19.9 ± 8.7 ng/mL respectively. The mean 25(OH)Vit D level was higher in controls and was statistically significant ($p = 0.02$). The calculated odds ratio between cases and controls was 1.67 (CI 0.39–4.84). There was no correlation between increasing severity of coronary artery disease with 25(OH)Vit D levels ($r = -0.10$; and $p = 0.08$). **Conclusions:** Vitamin D deficiency is a relatively common disorder. Risk of cardiovascular disease in people with vitamin D deficiency is almost 1.7 times of those with normal levels of vitamin D. To confirm the casual relationship between vitamin D and cardiovascular disease, larger studies are suggested.

37. Evaluation of On-Clopidogrel platelet reactivity overtime, Syntax Score, genetic polymorphisms and their relationship to one year clinical outcomes in STEMI patients undergoing PCI.

Erathi HV, Durgaprasad R, Velam V, PVGK S, Rodda M, C K, Kanavath SN.

Minerva Cardioangiol. 2018;66(1):16-25.

Background: The aim of this paper was to investigate the variability of On-clopidogrel platelet reactivity overtime, the association between HTPR, gene polymorphism and Syntax Score (SS) for risk prediction of MACE in patients with ST-Elevation Myocardial Infarction (STEMI) undergoing percutaneous coronary intervention (PCI). Platelet function testing may be used to optimize antiplatelet therapy in high-risk patients, but identification of this subset of patients remains a challenge. High on-treatment platelet reactivity (HTPR) has emerged as a risk factor for major adverse cardiovascular events (MACE). Genetic polymorphisms play key role in clopidogrel hyporesponsiveness. **Methods:** This prospective, observational study includes 151 consecutive STEMI patients who underwent PCI and treated with clopidogrel. Platelet Activity Index (PAI) was measured at two different time points post-PCI. Patients were stratified by the presence of HTPR (PAI ≥ 5) and by upper SS (SS ≥ 15). Allele-

specific polymerase chain reaction for identifying CYP2C19*2, CYP3A5*3, PON1, P2Y12 gene polymorphisms was done. The end point at one year follow up was MACE. Results: There was a significant increase in mean platelet reactivity and the total number of non-responders over a period of three months (9.9% vs. 23.8% $P=0.05$). Patients with SSe*15 in the presence of HTPR during follow-up had highest rates of MACE, especially among diabetics compared to non-diabetics ($P=0.024$). The prevalence of CYP2C19*2 polymorphism was 49%, was associated with HTPR during follow-up but unassociated with MACE. **Conclusions:** In STEMI patients undergoing PCI, the presence of SSe*15, HTPR during follow-up were associated with high MACE rates especially among diabetics. Hence, such high-risk groups shall require sequential testing for HTPR and optimize therapy accordingly

38. GARFIELD-AF Investigators. Characteristics of patients with atrial fibrillation prescribed antiplatelet monotherapy compared with those on anticoagulants: insights from the GARFIELD-AF registry.

Verheugt FWA, Gao H, A Mahmeed W, Ambrosio G, Angchaisuksiri P, Atar D, Bassand JP, Camm AJ, Cools F, Eikelboom J, Kayani G, Lim TW, Misselwitz F, Pieper KS, van Eickels M, Kakkar AK.

Eur Heart J 2018;39(6):464-73.

Aims: Current atrial fibrillation (AF) guidelines discourage antiplatelet (AP) monotherapy as alternative to anticoagulants (ACs). Why AP only is still used is largely unknown. Methods and results: Factors associated with AP monotherapy prescription were analysed in GARFIELD-AF, a registry of patients with newly diagnosed (≤ 6 weeks) AF and ≥ 1 investigator-determined stroke risk factor. We analysed 51 270 patients from 35 countries enrolled into five sequential cohorts between 2010 and 2016. Overall, 20.7% of patients received AP monotherapy, 52.1% AC monotherapy, and 14.1% AP + AC. Most AP monotherapy (82.5%) and AC monotherapy (86.8%) patients were CHA2DS2-VASc ≥ 2 . Compared with patients on AC monotherapy, AP monotherapy patients were frequently Chinese (vs. Caucasian, odds ratio 2.73) and more likely to have persistent AF (1.32), history of coronary artery disease (2.41) or other vascular disease (1.67), bleeding (2.11), or dementia (1.81). The odds for AP monotherapy increased with 5 years of age increments

for patients ≥ 75 years (1.24) but decreased with age increments for patients 55-75 years (0.86). Antiplatelet monotherapy patients were less likely to have paroxysmal (0.67) or permanent AF (0.57), history of embolism (0.56), or alcohol use (0.90). With each cohort, AP monotherapy declined ($P<0.0001$), especially non-indicated use. AP + AC and no antithrombotic therapy were unchanged. However, even in 2015 and 2016, about 50% of AP-treated patients had no indication except AF (71% were CHA2DS2-VASc ≥ 2). **Conclusion:** Prescribing AP monotherapy in newly diagnosed AF has declined, but even nowadays a substantial proportion of AP-treated patients with AF have no indication for AP.

39. Determinants of total ischemic time in primary percutaneous coronary interventions: A prospective analysis.

Sreenivasa Reddy Doddipalli, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K.

Indian Heart J 2018;70(S3):S275-279.

Objective: To assess the factors contributing to longer total ischemic times in ST elevation myocardial infarction (STEMI) patients undergoing primary percutaneous coronary intervention (PPCI). Methods: Three hundred forty-six patients who underwent PPCI from July 2016 to June 2017 were studied. From time for the patient to recognize the symptoms, time was divided into 11 stages, any reason for delay was observed. **Results:** Mean window period was 6.7 ± 9.8 hours. Mean time to recognize the symptoms, reach first medical contact and prehospital management were 150.2 ± 140.5 min, 58.5 ± 57.0 min and 36.3 ± 38.0 min, respectively. Mean time for the patients brought in ambulance was 82.4 ± 59.8 min whereas for those transported in other vehicles was 130.4 ± 59.7 min ($p = < 0.0001$). Mean door to electrocardiogram (ECG) time, decision for PPCI, consent time and STEMI team activation time were 6.2 ± 3.1 min, 8.3 ± 4.5 min, 12.6 ± 16.2 min and 10.7 ± 8.2 min, respectively. Mean time for financial process and mean sheath to balloon time were 9.1 ± 6.9 min and 21.8 ± 11.7 min, respectively. Door to balloon time (DTB) was < 90 min in 81% of the patients, mean DTB was 72.0 ± 33.0 min. Mean DTB for cases performed during night was 72.6 ± 32.9 min, whereas for those performed during day was 60.3 ± 30.2 min ($p = < 0.05$). Total 30-day mortality was 2.9%. Mortality among DTB < 90 min was 1.4%, mortality among DTB ≥ 90 min was 9% ($p = < 0.05$). **Conclusions:** The main contributor

for longer total ischemic time was the time taken for the patient to recognize the symptoms. DTB of <90/min can be achieved with effective hospital strategies.

40. Polymorphism of Cytochrome P450 epoxygenase and its association with Endothelial Dysfunction in Patients with Coronary Artery Disease

Sowjanya G, Rajasekhar D, Vanajakshamma V, Srinivasa Rao PVLN, Sarma PVGK

Int J Life Sci 2018;6(2):477-86

Background: Cytochrome P450 (CYP) epoxygenase metabolise arachidonic acid (AA) into four epoxyeicosatrienoic acids (EETs) 5,6- EETs, 8,9 EETs, 11,12-EETs and 14,15-EETs. Since, EETs are unstable eicosanoids they rapidly get converted into dihydroxy eicosatrienoic acids (DHETs) by Soluble epoxy hydrolase (sEH). These eicosanoids promote defence mechanism against inflammatory atherosclerosis process. However, 11,12-EETs are more potent eicosanoids in maintaining anti-atherosclerotic activity. Endothelial dysfunction is the key step in the pathogenesis of atherosclerosis. Polymorphism in CYP epoxygenase can alter individual's risk for events in coronary artery disease (CAD) patients. Therefore, we examined the impact of CYP epoxygenase polymorphism indirectly through evaluation of 11,12-DHET levels and its association with endothelial dysfunction. **Methods:** It is a prospective case-control study consisting of 84 acute coronary syndrome (ACS) patients and 84 healthy controls of either gender aged above 18 years. Fasting serum lipid profile including total cholesterol (TC), high density lipid (HDL), triglycerides (TG) and homocysteine levels were measured in all subjects. We measured plasma 11,12-dihydroxyeicosatrienoic acid (11,12-DHET) as indicative of 11,12-EETs. Genotyping of CYP putative exons of CYP2C9, CYP2C19 and CYP2J2 epoxygenase were carried out by Polymerase Chain Reaction–Single Strand Conformation Polymorphism (PCR-SSCP) method. Sanger's chain termination sequencing method was carried out for SSCP positive samples. All the data obtained were analysed by using Ms-Excel, 2007 and SPSS, version 24. Software, IBM, USA. **Results:** We observed significantly higher levels of homocysteine in CAD group ($35.1 \pm 13.8 \mu\text{mol/L}$) indicating higher inflammatory condition in patients compared to control group ($8.1 \pm 2.9 \mu\text{mol/L}$, $p < 0.001$). We also found higher 11,12-DHET levels in CAD group ($628.6 \pm 324.3 \text{ pg/mL}$) compared to healthy controls ($332.1 \text{ pg/mL} \pm 203.2 \text{ pg/mL}$, $p = 0.0001$).

In this connection, we observed positive correlation between homocysteine levels and 11,12- DHETs in CAD group ($p = 0.01$). Genotyping of CYP exons revealed 11 patients (13%) reporting 12 single nucleotide polymorphisms (SNPs). We found significant difference in the levels of 11,12- DHETs between the patients reporting CYP polymorphism and patients without CYP polymorphism compared with the control ($p < 0.001$). Further, we observed negative correlation between homocysteine levels and 11,12-DHETs in CAD patients reporting CYP polymorphisms indicating decline of DHET mediated anti-atherosclerotic activity. **Conclusions:** Presence of lower levels of 11,12- DHETs is a reflection of poor reserve defence mechanism in CAD patients that might cause endothelial dysfunction and risk of cardiac events. Therefore, genotyping of CYP2C9, CYP2C19 and CYP2J2 genes can be recommended to be used as prognostic marker for risk stratification in CAD patients.

41. Association of MTHFR, IL-6 and ICAM-1 gene polymorphisms with coronary artery disease in South Indian Ethnic subset: A case-control study.

Latheef K, Rajasekhar D, Vanajakshamma V, Aparna BR, Chaudhary A and Sarma PVGK.

J Cardiovasc disease Res 2018;(9)3:115-22.

Introduction: Cardiovascular disease is the leading cause of mortality and morbidity all over the world. Among these cardiovascular deaths, half result from coronary artery disease (CAD). Increased prevalence of CAD is associated with increased levels of inflammatory markers. Phenotypic variations of these markers may depend on physiological stress or genetic variations. **Materials and Methods:** Single nucleotide polymorphism analysis of methylenetetrahydrofolate reductase (MTHFR), interleukin-6 (IL-6) and intercellular adhesion molecule-1 (ICAM-1) genes was done by PCR-DNA sequencing method. **Results:** Statistically significant elevation of inflammatory markers- homocysteine, hsCRP and fibrinogen were found in CAD group ($p < 0.05$). Multiple sequence alignment showed a single nucleotide mutation i.e., c.677 C>T (p. A222V) in exon-4 of MTHFR in 10% of CAD group and was associated with an increased risk of CAD (OR: 12.21). Mutations observed in exon-4 of IL-6 gene (in 26% of cases) was significantly associated with an increased risk of CAD (OR: 36.36). ICAM-1 (exon-6) mutation i.e., c.1405 A>G (p. K469E) was observed in 18% of patients and an increased risk of CAD

(OR: 23.12). **Conclusion:** Polymorphisms observed in MTHFR, IL-6 and ICAM-1 genes in South- Indian ethnic population which are associated with elevated levels of inflammatory markers – homocysteine, hsCRP and fibrinogen appear to be predisposing factors for atherosclerosis.

42. Variability in Antiplatelet Drugs' Response in Indian Patients Undergoing Percutaneous Coronary Intervention and Outcome Modification by Tailored Antiplatelet Therapy

Madhavi R, Rajasekhar D, Vanajakshamma V, Obul Reddy G, Kapil C, Sowjanya G.

J Cardiol Cardiovasc Ther 2018; 9(3):1-6.

Background: Double or triple antiplatelet therapy is a guideline mandated therapy for patients who undergo Percutaneous Coronary Intervention (PCI). However, there exists inter-individual variability in drug response to the antiplatelet agents leading to recurrent thrombotic events. We sought to study the efficacy and variability of thienopyridines (clopidogrel and prasugrel), ticagrelor and triple antiplatelet therapy in Post-PCI percutaneous coronary intervention (PCI) patients using AggreGuide A-100 platelet aggregometer, a point-of-care-test (POCT) device using laser light scattering technique. **Methods:** It was a single-centred prospective trial, included 405 patients who underwent PCI. Platelet reactivity was assessed by grading of platelet activity index (PAI) and considered as high on treatment platelet reactivity (HTPR) if PAI >5.

Results: Patients on clopidogrel showed significantly lower platelet inhibition compared to other groups ($p < 0.001$). Females, elderly patients, non-smokers and patients who presented with acute coronary syndrome had significant HTPR ($p < 0.05$). Compared to patients without HTPR, the occurrence of primary endpoints was not increased significantly in patients with HTPR. However in patients on clopidogrel, stent thrombosis was significantly high in patients with HTPR. TAPT had no significant stent thrombosis compared to DAPT regime containing clopidogrel and major bleeding complications were higher in patients treated with prasugrel and ticagrelor.

Conclusion: There was significant variability in response to antiplatelet therapy and integrating point of care tests in clinical practice may assist in individualising antiplatelet therapy, thus, reducing the rate of major cardiac events and without increasing the risk of bleeding.

43. The Correlation of NT-Pro BNP with Echocardiographic Indices Including 3D Vena Contracta Width in the Assessment of Severity of Mitral Regurgitation.

Narendra Chanda, Rajasekhar D, Ravi Kanth A, Vanajakshamma V, Kapil C, Suresh Babu T, Sreedhar Naik K.

World J Cardiovascular Diseases 2018;8:390-401.

Introduction: Mitral regurgitation (MR) is a common valvular disease that causes significant morbidity and mortality. The use of multiple echocardiographic indices and hormonal parameters in combination can provide an accurate assessment of MR severity and LV dysfunction in most cases. Aim of study: The aim of this study was to correlate the levels of serum NT-pro BNP with various echocardiographic parameters including 3D vena contracta width in patients with MR. Methods: 74 Patients diagnosed with primary mitral regurgitation in sinus rhythm with no conduction disturbance were included in the study. 2D and Doppler echocardiography indices were calculated. A full-volume 3D color Doppler acquisition was obtained and 3D vena contracta width was calculated and serum BNP levels were obtained. Results: NT-pro BNP levels were increased with symptoms in patients with mitral regurgitation (NYHAI: 4.48 ± 0.06 , NYHAII: 5.54 ± 0.78 , NYHAIII: 6.68 ± 1.21 pg/ml, $p < 0.01$). NT-pro BNP plasma levels were significantly correlated with MPI ($r = 0.945$, $p < 0.01$), and following echocardiographic indices: LVEDV ($r = 0.793$, $p < 0.01$), LVESV ($r = 0.706$, $p < 0.01$), LVEDVI ($r = 0.733$, $p < 0.01$), LVESVI ($r = 0.677$, $p < 0.01$), LVEDD ($r = 0.727$, $p < 0.01$), LVESD ($r = 0.617$, $p < 0.01$), RVSP ($r = 0.665$, $p < 0.01$), LA volume ($r = 0.735$, $p < 0.01$), LAVI ($r = 0.709$, $p < 0.01$), MR 2D VC ($r = 0.430$, $p < 0.01$), 3D VC ($r = 0.441$, $p < 0.01$), PISA ($r = 0.440$, $p < 0.01$) and negative correlation with LV ejection fraction ($r = 0.846$, $p < 0.01$), dp/dt ($r = 0.795$, $p < 0.01$), but there were no significant correlations between NT-pro BNP plasma level and LA jet area ratio ($P = 0.33$). It was observed that there was a significant correlation between 3D VC and PISA levels in patients of mitral regurgitation. However correlation is better in MR with central jet compared to eccentric jet in moderate and severe MR ($r = 0.807$, 0.817 vs $r = 0.617$, 0.572). **Conclusion:** This study showed that NT-pro BNP measurement has the same sensitivity and specificity as echocardiographic indices. Three-dimensional VCA may provide a reliable measurement of ROA, independent of geometric and flow assumptions.

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

Sawhney JP, Kothiwale VA, Bisne, V, Durgaprasad R, Jadhav P, Chopda M, Allu J

Indian Heart J 2018;70(6):828-35.

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

45. The effect of Nicoumalone on embryogenesis; A retrospective study.

Chaitanya Kumar N, Kumar A, Bhanu Prakash B, Sree Veena G, Vanajakshamma.V, Latha P.

Indian J Cardiovasc Dis Women 2018;3:189-92.

Objective to study the effect of nicoumalone on embryogenesis in women who have undergone mechanical heart valve replacement surgery. **Design** It is a retrospective study done at Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati. **Results** Total 28 pregnancies were reported in 12 women with mechanical heart valve prostheses. Of these, 19 were live births, 9 abortions, and no stillbirths and miscarriages were noted in pregnant women. There were 11 hemorrhagic, 3 neurologic, 2 thromboembolic, and 1 stuck valve complications observed in mothers; and 2 low birth weights, 2 pneumonia, and 1 jaundice observed in the child. **Conclusion** There were no abnormalities observed in children whose mothers were taking nicoumalone throughout pregnancy based on echo results and clinical examination.

46. Spontaneous left atrial echo contrast, mitral annular systolic velocity and left atrial appendage late emptying velocity in predicting left atrial function after percutaneous balloon mitral valvuloplasty.

Arava TN, Durgaprasad R, Velam V, Gajjala OR, Neelam VK, Manohar SN.

Echocardiography 2018;35(2):162-9.

Background: Thromboembolic events are the major cause of morbidity and mortality in patients with mitral stenosis (MS). This study aims to investigate left atrial spontaneous echo contrast (LA SEC), mitral annular systolic velocity (Sa-wave), left atrial appendage (LAA) late emptying velocity (LAAEV), LAA filling velocity (LAAFV) pre- and postpercutaneous balloon mitral valvuloplasty (PBMV) for MS. This also aims to study the association of LA SEC with inflammatory marker, high-sensitivity C-reactive protein (hs-CRP) in MS. **Methods:** The study population consisted of 100 patients with symptomatic MS with sinus rhythm who underwent PBMV. Transthoracic echo (TTE), tissue Doppler imaging (TDI), and transesophageal echo (TEE) examinations were carried out before and 14 days following PBMV. High-sensitivity C-reactive protein (hs-CRP) was

measured at the time of admission. **Results:** The mean age was 33.2 ± 10.3 years with female preponderance (71%). There was a decrease in SEC grading, (pre-PBMV 2.8 ± 0.9 and post-PBMV 0.4 ± 0.1 ; $P < .01$), increase in LAAEV (pre-PBMV 23.0 ± 7.9 cm/s and post-PBMV 40.9 ± 8.4 cm/s; $P < .01$), and LAAFV (pre-PBMV 31.8 ± 9.3 cm/s and post-PBMV 51.2 ± 8.7 cm/s; $P < .01$). A significant positive correlation was present between LAAEV and Sa-wave ($r = .52$, $P < .01$). Correlation between hs-CRP and SEC was positive and significant ($r = .33$, $P < .01$). Optimal cutoff value of hs-CRP for prediction of moderate to dense SEC was >2.3 mg/dL, the cutoff value of Sa-wave was >5.5 cm/s for prediction of the presence of inactive LAA (LAAEV < 25 cm/s). **Conclusion:** Mitral annular systolic velocity (Sa-wave) is an independent predictor of inactive LAA and a useful parameter in estimating inactive LAA in MS. Sa-wave and hs-CRP are independent predictors for SEC. PBMV improves LAA function in patients with MS.

47. A comparative study of general waste management practices in a campus of a medical university located in the purview of a municipal corporation of a South Indian state.

Dondapati SKS, Kondagunta N, Guthi VR, Ade AD, Deekala RS.

Int J Community Med Public Health 2018;5:5115-20.

Background: General waste is the waste that does not pose an immediate hazard or threat to health or to the environment. Waste management activities include collection, transportation, treatment and disposal of wastes. Academic institutions produce wastes, which are not disposed of effectively or economically. The result is littering and accumulation of garbage, which cause pollution. The objective of the current study is to examine and compare the general waste management practices of an university with current waste management rules in force. **Methods:** The current observational and comparative study was carried in an autonomous medical university located in South India. Waste is managed by Campus Maintenance Committee and Swachh Bharath committee under supportive supervision of Department of Community Medicine. The authors have observed the practices per se, talked with all the stakeholders of waste management in the institute, and presented their observations. The observations were compared with the standard practices of waste management to be adhered by academic

institutions as per the rules of waste management. **Results:** Everyday 200-250 Kg of solid waste is generated in the university campus. General waste generated from different sources is grouped into black bags and sent to the dumpsite of campus. The corporation workers separate dry waste from wet waste and transport to the corporation dumpsite in separate blue and green drums separately. **Conclusions:** The steps taken by the university authorities like division of campus into areas with group leaders to facilitate ownership and accountability and formation of committees and regular meetings to facilitate coordination have shown results.

48. Profile of HIV sero-positive attendees: an integrated counseling training centre record based retrospective study.

Anju Damu Ade, Bhavani Yamasani, Ravisankar Deekala, Nagaraj Kondagunta, Dnyaneshwar T. Katyarmal

Int J Community Med Public Health 2018;5(12);5069-76.

Background: The sustainable development goal target is to end the AIDS epidemic by 2030. HIV continues to be a major global public health issue, having claimed more than 35 million lives so far. The objectives of the study were to find out the pattern of socio-demographic profile among HIV sero-positive patients attending ICTC centre in SVIMS, Tirupati and to study the risk behaviour pattern among HIV sero-positives. **Methods:** Retrospective cross sectional study was undertaken at ICTC Centre, SVIMS, SPMC (W), Tirupati, Andhra Pradesh, India. The records of data of all the HIV sero-positive attendees who attended the ICTC from January 2013 to June 2018 were included as study subjects. Records maintained were noted in proforma containing socio-demographic characteristics of HIV seropositive patients. Data was analysed using SPSS software version 23.00. **Results:** Majority of sero-positives were illiterates, married, daily wage labourers from rural area, in 20 to 60 years age group. Transmission was predominantly through the heterosexual route (96.1%). 68(54.4%) males and 63(72.4%) females were sero-concordant while 57 (45.6%) males and 24 (27.6%) females were sero-discordant. **Conclusions:** There is need to carry out intense IEC activities for behavior change at grass root levels. Low literacy and limited access to health facilities should be addressed.

49. Awareness of H1N1Influenza (Swine Flu) among rural population of Chittoor District, Andhra Pradesh.

Anju Damu Ade, Bhavani Yamasani, Nagaraj Kondagunta.

Int J Community Med Public Health. 2018;5(12):5171-77.

Background: Influenza is an acute respiratory tract infection caused by influenza virus, of which there are 3 types- A, B and C. All known pandemics were caused by influenza A strains. The objectives of the study were to study the awareness of H1N1 influenza (swine flu) among rural population and to examine the association between socio demographic variables and awareness of H1N1 influenza (swine flu). **Methods:** A cross-sectional study was carried out in the three villages of Chittoor district (Amudala Kona, Rupalanaik Thanda, Kothakadapalli) where health camps were conducted. A total of 167 rural adults were interviewed who attended the camps. **Results:** Majority of the study participants were illiterates (50.3%). Only 59 (35%) participants previously heard about the disease H1N1 influenza (swine flu). Majority of them 26 (44.1%) didn't knew the cause of swine flu. Media was the most common source of information (76.3%). Only 49.2% of participants were aware about transmission of disease. Majority of them were not aware i.e. 36 (61%) regarding treatment and investigation availability for H1N1 influenza (swine flu), but only 15.3% people were aware about the vaccine availability for the disease. **Conclusions:** Overall awareness regarding H1N1 flu was low among rural adults. Low awareness denotes poor mass media coverage in rural community. As most of the participants are illiterates, use of TV and mass media as an effective media to dissipate information must be utilized to maximum. Awareness generated by health staff is not significant. Health workers at primary level should be equipped with knowledge and skills in order to create awareness and organize Health education sessions in all areas which can be made more effective by involving Public Health Professionals to develop communication messages.

50. A study on histopathological changes of endometrium in women with dysfunctional uterine bleeding from a tertiary care hospital.

Vanaja K, Sujith Kumar DS.

Int J Clin Obst Gynec 2018;2(1):1-3.

Introduction: To understand the pathogenesis of dysfunctional uterine bleeding by noting different types of Histopathological changes of endometrium by dilatation and curettage. **Materials and Methods:** In this study 100 women with complaints of abnormal uterine bleeding

selected from OBG OPD of tertiary care hospital. **Results:** In this study among 100 women, 19 women had proliferative endometrium, 5 women had secretory endometrium, 10 women had irregular ripening, 14 women had irregular shedding and 52 women cystoglandular hyperplasia. **Conclusion:** Histopathological pattern of endometrium helps in finding the cause of dysfunctional uterine bleeding. Dilatation and curettage serves diagnostic and therapeutic purposes in DUB.

51. An interventional study with health education to modify the risk factors for the control of blood pressure among the newly diagnosed adult hypertensives, Andhra Pradesh.

Deekala R.S, Altaf Hussain R, Ravi Prabhu G.

Public health Rev: Int J Public health Res 2018;5(1):8-15.

Background: India is developing rapidly, which is evidenced by its developmental indicators. The country is in transitional period between developing and developed nations. With the effect of globalization, the lifestyle of the people also changed rapidly from traditional way of living to western style of living, which is contributing to rapid changes in disease patterns. The incidence and prevalence of Non-communicable diseases is increasing when compared with communicable diseases, which are associated with changes in the life style. The prevalence of hypertension and its risk factors are increasing in India. The present study was done among the newly diagnosed adult hypertensive subjects to find out whether health education for modification in the diet and lifestyle factors will have any effect in the control of hypertension. **Objective:** To study the effect of health education intervention on diet, lifestyle factors and thereby decrease in blood pressure levels among newly diagnosed adult hypertensive subjects. **Methodology:** A total of 60 newly diagnosed adult hypertensive subjects were selected randomly from a recent study done among the adults of both sex living in urban slum areas of Tirupati, Andhra Pradesh for this interventional study. Out of these, 30 subjects each were randomly allocated to the study and control groups. **Results-** In the study group, after health education intervention the proportion of hypertension decreased from 100% to 60% while in the controls, where health education was not given, it decreased from 100% to 90% only. **Conclusion:** There has been significant difference in the reduction of hypertension in the study group compared to control group. There has been

reduction in all the risk factors studied after the intervention compared to the pre-intervention levels in the study group but however the differences were statistically significant with regard to extra salt intake, saturated fat intake and adequate fiber intake.

52. Assessment of nutritional status in adolescent girls residing in social welfare hostels in Tirupati town: a cross sectional study.

Deekala RS, Kokku MR.

Int J Community Med Public Health 2018;5:5110-4.

Background: One way to break the intergenerational cycle of malnutrition is to improve the nutrition of adolescent girls prior to conception. Adolescent health and nutrition are important issues which have not received the attention it deserves in our country, especially in the context of a girl child. The objectives of the study were to assess the nutritional status of the adolescent girls residing in the social welfare hostels of Tirupati town, Andhra Pradesh. **Methods:** The Nutritional status will be assessed by anthropometric measurements (i.e., height, weight, BMI) and questionnaire. **Results:** 54.1% of the adolescent girls were underweight. 61.4% of them studying 1st and 2nd years of their graduation. 52.2% of them belonged to upper lower class according to modified Kuppaswamy classification 2016. 76% of adolescent girls belonged to the family size of less than or equal to five. 44.1% has one sibling. 33% of the adolescent girls use nutritional supplements. 59.7% of adolescent girls has junk food once a week. 56.1% of them routinely involve in moderate physical activity. 4.1% of them who attained menarche do not practice menstrual hygiene. 62.3% of them visited health center for 1-5 times in the past one year. 71.5% of them does not practice deworming. 5.9% observed worms in their fecal matter. 19.7% of the adolescent girls have vision problems. 67.3% of adolescent girls have awareness regarding nutritional health. Only 28.2% of adolescent girls get cosmetic charges from government. **Conclusions:** There is relation between nutritional status and educational level (better among graduates).

53. Do blood groups determine academic performance in medical students A cross sectional study.

Bharathi Anil Sherke, KiranmaiVadapalli, M Anthony David, Visweswara Rao Guthi.

Int J Physiol 2018;6(3):65-71.

Introduction: Blood is a specialized connective tissue with complete and unchangeable identity with almost 400 blood grouping agglutinogens. Agglutinogens are antigenic determinants existing as membrane peripheral proteins on the outer surface of the erythrocytes. Agglutinins are plasma proteins of the Immunoglobulin variety which exist in the plasma. Each type of the blood groups of ABO system has different characteristics. Importance of doing this study highlights the importance of blood group association with academic performance of the students.

Methodology: A Cross sectional study was conducted on 400 medical students between the ages 17 to 19 years. Internal assessment examinations were conducted every 3 months and an average of the scores obtained by each student during all the internal assessment examinations was calculated and recorded. A mean score of 35% and above and 65% and above were considered eligible for appearing in the University examinations and High scorers respectively. Blood samples were taken and the open slide method of ABO blood groups testing was followed. Blood groups, marks obtained by the students were tabulated in MS Excel sheet and were analysed using appropriate methods. **Observations:** It was observed that 97.4% of blood group A were eligible for appearing in University examinations and 50.6% of the students belonging to blood group A were high scorers. **Conclusion:** The present study concludes that maximum number of students who performed better in their academics belonged to blood group A.

54. A Randomized, Double Blind, Placebo Controlled, Crossover Study to Assess the Safety and Beneficial Effects of Cassia Tora Supplementation in Healthy Adults.

Kambalachenu HR, Reddy TM, Rao SD, Dorababu K, Reddy KK, Sarma KVS.

Rev Recent Clin Trials 2018;13(1):69-78.

Objective: The current clinical trial was aimed at evaluating the safety and beneficial effect of Cassia tora (C. tora) supplementation in healthy adults. **Design:** A randomized, double blind, placebo controlled study with a crossover design was done on 60 healthy normal weight adults (age range: 20-55 yrs). The study consisted of 2 treatment phases of 24 weeks each with a washout period of 4 weeks between the phases. 30 subjects randomly allocated to the 'Placebo first' group and 30 to 'C. tora first' group and assigned to receive a dose of C. tora (330

mg) or matched placebo three times a day. Safety markers were measured at base line and at the end of both the treatment phases. Body mass index, blood pressure, fasting blood sugar, glycated hemoglobin, lipid profile and antioxidants were measured at baseline and at every three months interval. Repeated measures analysis was applied to assess the period and carryover effects of the drug over placebo on biochemistries. **Results:** C. tora supplementation was well tolerated and no apparent changes were observed in safety markers. The net effect of C. tora in natural units over placebo was 0.83 [0.57, 1.09]- high density lipoprotein cholesterol; 27.63 [24.39, 30.88]- superoxide dismutase; 0.32 [0.28, 0.36]- catalase; 0.68 [0.56, 0.80]- glutathione peroxidase; 0.25 [0.22, 0.29]- glutathione s-transferase; 0.32 [0.29, 0.36]- glutathione and -1.08 [-1.63, -0.54]- low density lipoprotein cholesterol. **Conclusion:** The findings advocate that C. tora supplementation is safe and beneficial in elevating high density lipoprotein cholesterol and antioxidants and hence advised for consumption.

55. Some Aspects of Surrogate Biomarkers using ROC Curve analysis.

Sarma KVS.

SSCA 2018;45-9.

Identification of biomarkers is an interesting topic in medical research. Confirmation of a disease is often made by the result of a lab test or some procedure. Some such tests are known as gold standards like histopathology to detect a malignant tumor. In practice, the researcher looks for alternative surrogate markers that can help early diagnosis at lower cost. The ability to distinguish between true and false positives is measured in terms of the sensitivity and specificity at cutoff value on the marker. The Receiver Operating Curve (ROC) is used to find the optimal cutoff. In this paper we revisit some interesting aspects of single and multiple biomarkers used in clinical studies and the way they are to be proposed. We also appraise the scientific potential of this area and the software support.

56. Estimation of CCL2/MCP-1 levels in serum and gingival crevicular fluid in periodontal health, disease and after treatment – A clinico biochemical study.

Babu DS, Poornodaya S, Sai KA, Anumala D, Reddy DS, Reddy NR

J Orofac Sci 2017;9:85-90.

Background: The objective of the present study was to evaluate the role of monocyte chemoattractant protein-1 (MCP-1), in periodontal disease (PD) progression and also to investigate the effect of periodontal therapy on MCP-1 concentration in serum and gingival crevicular fluid (GCF). **Materials and Methods:** Clinical parameters including gingival index, pocket probing depth, and clinical attachment level were recorded for 60 subjects, who divided into four groups. Group I (healthy, n=20), Group II (gingivitis, n=20), Group III (chronic periodontitis, n=20), and Group IV (after treatment group, n=20). Scaling and root planning (SRP) was performed, and GCF and serum were collected initially and after 12 weeks of treatment. MCP-1 levels were estimated using enzyme-linked immunosorbent assay. **Results:** The mean MCP-1 concentration in GCF and serum was found to be the highest in Group III, and significantly differs from Groups I, II, and IV. The results of present study also suggest that MCP-1 levels increased progressively in GCF and serum from healthy to periodontitis subjects and levels decreased considerably after SRP. **Conclusion:** As the PD progresses, there is a substantial increase of MCP-1 concentrations in serum and GCF. The data indicate that high GCF and serum levels of MCP-1 are at a significantly greater risk for the progression of periodontitis. However, controlled, longitudinal studies are needed to confirm this possibility.

57. Assessment of cytotoxic and genotoxic potentials in tobacco chewers.

Kiranmai G, Vani Priya P.

Indian J Sci Res 2018;8(5):28-9.

Smokeless tobacco is the cheapest, least taxed and most commonly used tobacco products in India. They are highly addictive and high in carcinogens. Tobacco has addictive properties due to the presence of nicotine which causes signs of dependence of tolerance in the consuming adult. The extent and increasingly speed of the tobacco addictions are believed to be directly proportional to the biological strength of nicotine addiction. The oral cavity suffers from potentially harmful effects due to the habit of tobacco and tobacco mixtures chewing. The main effects on the hard tissue of the oral cavity are on the teeth. It caused severe wearing of the enamel covering which may result in increased dentinal sensitivity. Present study was carried out using 150 individuals (118 men, 32 women; age range 25-56 years) who are having a habit of chewing tobacco from 5-25 years were tested along with 150 controls with

same age group. Samples were found out the DNA damage levels. In this cultured and prepared for chromosomes and DNA was extracted and gel electrophoresis was done to study we have scored the numerical and structural chromosomal abnormalities and DNA damage of the presented samples have been calculated. cant numerical aberration observed, structural abnormalities were notably seen in a few cases. When compared with controls Although significant mitodepression. The demonstration of chromosomal damage in lymphocytes from tobacco-chewing habitués does increase induced significant tobacco chewers strongly indicates that tobacco should be categorized as a human carcinogen and major risk factor for oral, throat and pharynx cancers.

58. Heterogenous Origins of Hyperandrogenism in the Polycystic Ovary Syndrome in Relation to Body Mass Index and Insulin Resistance.

Patlolla S, Vaikkakara S, Sachan A, Venkatanarasu A, Bachimanchi B, Bitla A, Settipalli S, Pathiputturu S, Sugali RN, Chiri S.

Gynaecol Endocrinol 2018;34(3):238-42.

Background: Insulin resistance and obesity are not universal features of polycystic ovary syndrome (PCOS). We planned to assess the differences between patients with nonobese /insulin-sensitive phenotype vs. obese/ insulin-resistant phenotype in terms of the potential mechanisms underlying their hyperandrogenism.

Materials and Methods: A total of 52 women satisfying Androgen Excess Society (AES) criteria were included. Hormonal and metabolic profile including prolactin, dehydroepiandrosterone sulfate (DHEAS), free testosterone, sex hormone binding globulin (SHBG), fasting plasma glucose and insulin were measured in follicular phase. **Results:** DHEAS was found to be higher in the nonobese patients as compared to the obese ($p=0.01$). There was also a strong trend for a higher DHEAS among patients with lower insulin resistance by homeostatic model assessment ($\text{HOMA-IR} < 2.3$) ($p=.06$). While the total testosterone ($p=.044$) and SHBG ($p=.007$) were found to be lower in the more insulin-resistant group ($\text{HOMA-IR} \geq 2.3$), the free testosterone levels were similar. However, the percentage of free testosterone was higher in the more insulin-resistant group ($p=.005$). **Conclusions:** The hyperandrogenic state in PCOS appears to have heterogenous origins. Nonobese patients with PCOS have adrenal hyperandrogenism as the underlying mechanism

while their obese/ insulin-resistant counterparts have low SHBG and hence an increased fraction of free testosterone.

59. A Cross Sectional Study on Effect of Distress due to Disease on Medication Adherence in Patients with Type 2 Diabetes Mellitus in a Tertiary Care Hospital.

Budarpu S, Vaikkakara S, Cherukuthota SL, Shalini TM, Srujana J, Haindavi L.

Int J Contemporary Med Res 2018;5(6):F1-F4.

Introduction: Diabetes, a common lifestyle disorder, needs strict adherence to medication and self care activities, to maintain good glycemic control. However patients may become distressed due to the disease and its complications, which in turn may affect their motivation. It would be thus worthwhile to assess the impact of diabetes distress on medication adherence. **Material and methods:** This study was conducted in the Department of Endocrinology at the Sri Venkateswara Institute of Medical Sciences, Tirupati, a tertiary care teaching hospital. Patients with Type 2 Diabetes Mellitus (T2DM) were assessed for presence of distress due to diabetes using Diabetes Distress Scale (DDS) and medication adherence using Morisky Adherence Questionnaire (MAQ). **Results:** Of the 101 patients recruited, only 5 (4.95%) had a total DDS score ≥ 3 consistent with the presence of distress due to diabetes. However on exploring the various components of the DDS score 41 (40.59%) had emotional burden and 15 (14.85%) had regimen related distress. Of those 5 patients with diabetes distress, none had good adherence to medication while 64.5% of the remaining 96 patients had good adherence ($p=0.007$). **Conclusion:** Diabetes distress (though present in only a minority of patients), is associated with poor adherence to medication regime.

60. A Study of Nontraditional Biochemical Markers and Their Relation to the Level of Fasting Glycemia in Patients with Type 2 Diabetes Mellitus.

Nimmanapalli H, Pasupuleti P, Vakkakara S, PVLN S.

Turk J Endocrinol Metab 2018; 22: 225-30

Objective: Diabetes mellitus (DM), a chronic metabolic disorder, is associated with the risk of cardiovascular disease (CVD) in developing countries. Certain nontraditional cardiovascular risk factors have been associated with DM. The increased level of lipoprotein (a) (Lp [a]) is a genetically determined, independent risk

factor for CVD. The elevated levels of high-sensitive C-reactive protein (hsCRP) frequently correlate with well-established risk factors of type 2 DM (T2DM). However, the association between Lp (a), hsCRP levels, and T2DM remain uncertain. The aim of this study was to measure the nontraditional biochemical markers of cardiovascular risk regarding the level of fasting glycemia in patients with T2DM compared with nondiabetic persons. **Material and Methods:** This cross-sectional study was conducted in four groups (n=50 each group) considering the current levels of fasting plasma glucose (FPG). The groups were as follows: group 1 included nondiabetic healthy controls with the current FPG level of less than 100 mg/dL, group 2 included patients with T2DM with FPG level in the range of 100-130 mg/dL, group 3 included patients with T2DM with FPG level of greater than 130 mg/dL but less than 200 mg/dL, and group 4 included patients with T2DM with FPG level of greater than 200 mg/dL. **Results:** Lp (a) levels were significantly elevated in the patients with various glycemic levels compared with nondiabetic persons ($p < 0.001$). **Conclusion:** The results of this study conclude that Lp (a) and hCRP levels are elevated in patients with T2DM compared with that in healthy controls. The elevated levels of nontraditional cardiovascular risk factors reflect the glycemic status by showing an association between FPG, Lp (a), and CVD.

61. A study of parietal cell and intrinsic factor antibodies in b12 deficiency Anaemias: a non-gastroscopic descriptive analysis in a university teaching hospital, Iindia.

Chandrasekhar C, Santhosh Kumar P, Sumanth Kumar M, Sarma PVGK.

Inter J Sci Res. 2018;7(2):27-33.

Background: The relationship between B12 deficiency and intrinsic factor antibody (IFA) and parietal cell antibody (PCA) was strongly established. A non-gastroscopic (non-invasive) analysis of the relationship is of great benefit. **Materials and methods:** On the basis of serum B12, serum homocysteine, complete response to B12 therapy and BCSH guidelines, 120 patients were diagnosed to have IFA Positive Pernicious anemia (IFAPosPA) and IFA Negative Pernicious anemia (IFANegPA). The IFANegPA group was further divided into (PCA+ve) and (PCA-ve) subgroups. The IFA+ve(PCA+ve), IFA-ve (PCA+ve) and IFA-ve (PCA-ve) groups were studied with reference to the usual biomedical parameters. **Results:** The mean

serum B12 and homocystine levels were 180 pg/mL, 31 μ mol/L respectively. 95% non-vegetarians, mean age 38 yrs, and female preponderance were observed. Serum homocysteine levels were normal in 21/120(17.5%) of patients in the background of sever iron deficiency. IFA+ve PA patients were 39/120 (32.5%), and IFA-ve PA group patients were 81/120 (67.5%), and patients with IFA-ve (PCA+ve) were 33/120 (27.5%). Patients with antibody positivity either IFA or only (PCA) were 72(60%), and IFA-ve (PCA-ve) (antibody negative) patients were 40%. There were significant differences in the B12, and homocysteine levels between antibody positive and negative groups. **Conclusion:** 1) In the context of B12 deficiency, after excluding other non-immune causes a) IFA Pos PA patients showed more abnormal B12 and homocysteine levels than IFA Neg PA patients b) (PCA +ve) subgroup patients showed more significant B12 deficiency than (PCA-ve) patients, and both a,b may be indicating disease of longer duration or more severity. 2) PCA did not seem to have relevance in 72.5% of the cases with regards to the diagnosis of etiology of B12 deficiency or the diagnosis of PA.

62. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in Chronic Myeloid Leukemia patients.

Chandrasekhar C, Santhosh Kumar P, Sarma PVGK.

Scientific Reports (Nature Publishing Journal). 2018.

Mutations in the drug binding region of BCR-ABL lead to imatinib resistance during the management of chronic myeloid leukemia (CML). In our study, (n=62) Philadelphia positive (Ph⁺) CML patients showing conspicuous expression of BCR-ABL gene were treated with imatinib. At the end of the 3 months, 21/62 (33.87%) patients did not obtain complete hematological response (CHR) and also showed no significant decrease in BCR-ABL gene expression. In all the imatinib-resistant patients BCR-ABL gene was PCR amplified and sequenced, the sequence analysis showed four novel missense mutations p.(Leu301Ile), p.(Tyr320His), p.(Glu373Asp), p.(Asp381Asn) and six already reported mutations p.(Val256Gly), p.(Thr315Ile), p.(Gly250Glu), p.(Tyr253His), p.(Phe317Leu), p.(Met351Thr) which contributed in the formation of inactive enzyme and also two novel frameshift mutations p.(Glu281*) and p.(Tyr393*) resulted in truncated protein formation. Further, the structural analysis revealed all these mutations affected

P-loop, gatekeeper, catalytic and activation loop domain regions of the enzyme causing poor imatinib binding in the ATP region. The primary intention of the study was to find out the mutations in the BCR-ABL gene causing imatinib resistance. This study highlights the need for BCR-ABL gene sequence analysis to detect the mutations in CML patients in order to properly guide the therapy.

63. Metronomic chemotherapy in recurrent, residual and metastatic Head and Neck Cancers.

Shilpa K, Kannan T, Bhargavi D, Ravisankar A, Praveena V, Santhosh V.

Indian J Applied Res 2018;8(6).

Background: Despite advances in multimodality therapy, options for patients with Recurrent Head&Neck cancers are desparately limited. Hence, the present study was done to evaluate the role of Metronomic Chemotherapy in Recurrent, Residual and Metastatic Head & Neck cancers with regard to Response and Progression Free Survival.

Methods: Oral Metronomic Chemotherapy with Methotrexate and Capecitabine was given to all patients who met the inclusion criteria in our study. Response assessment was done at end of 3 months and 6 months and compared to baseline imaging using RECIST 1.1 criteria. Toxicities and Progression Free Survival were also analysed. **Results:** At 6 months follow up, Stable disease was observed in 34%, Partial response in 19.1% with an overall response rate of 53.1%. Progressive disease was seen in 40.4%, initial stable disease followed by progressive disease in 6.4% of the patients. Toxicities were minimal. The Overall Mean progression free survival (PFS) was 164 days (5.5months) + 36days (95% confidence interval).

Conclusion: Oral Metronomic Chemotherapy with Capecitabine and Methotrexate is a good alternative to conventional intravenous chemotherapy in patients with Recurrent, Residual and Metastatic Head & Neck cancers with good response rates, better toxicity profile and significant improvement in PFS especially in patients with good PS

64. Estimation of plasma epidermal growth factor receptor (EGFR) mutation status and its correlation with tumor tissue EGFR mutation status in advanced non-Small cell Lung cancer patients.

Praveena V, Kannan T, Bhargavi D, Sarma PVGK, Shilpa K, Santhosh P.

Indian J App Res 2018;8(6).

Background: Patients with non-small cell lung cancer (NSCLC) harboring activating EGFR mutations respond to treatment with EGFR tyrosine kinase inhibitors (TKIs). However, obtaining adequate tumor tissue from NSCLC patients can be difficult. The aim of this study was to determine whether tumor tissue EGFR analysis can be replaced with plasma EGFR analysis to assess mutation status and to evaluate the association of mutation status with survival outcomes. **Methods:** We prospectively evaluated EGFR gene mutation status (exons 18,19,20 and 21) in paired tissue and plasma from 68 advanced NSCLC patients (before starting anticancer treatment) during the period, May 2016 to May 2017 using Real Time based Amplification Refractory Mutation System-Polymerase Chain Reaction (ARMS-PCR) assay and Allele-specific PCR techniques respectively. Concordance and discordance rates were assessed and survival analysis was done. **Results:** Among 68 NSCLC patients, biopsy tissue was not sufficient for analysis in 6 patients, hence 62 patients were included in final analysis. EGFR mutations were identified in 14/62 (23%) biopsy samples and 25/62 (40%) plasma samples. The most common mutation identified in both tissue and plasma was exon 19 deletion. The overall concordance of EGFR mutation status between tissue and plasma reached 66% (41/62) (Kappa coefficient: 0.24; P=0.038). The sensitivity, specificity, positive and negative predictive values of plasma EGFR detection were 64%, 67%, 36% and 87% respectively. Among biopsy EGFR mutant patients, progression-free survival (PFS) of plasma EGFR mutation detected patients was less compared to that of undetected patients. **Conclusion:** EGFR gene mutation analysis of plasma is feasible with allele-specific PCR assays with a high negative predictive value. It can be considered in frail patients not suitable for biopsy. But further investigation is required to determine whether plasma sample can be considered for determining EGFR mutation status in future.

65. In vitro proliferation of human haematopoietic and stem cells by andrographis paniculata – Neem extracts.

Kannan T.

J Stem cells 2018;12(4).

Andrographis paniculata (Burm.f.) Nees (Nelavembu) a natural herb extract largely used to increase the platelet count in thrombocytopenia condition. Normally, Hematopoietic stem cells (HSCs) are key cell in the formation of

platelets and depletion of platelets results in thrombocytopenia. The present study is aimed to understand the effect of *Andrographis paniculata* (Burm.f.) Nees extract (APE) on proliferation of HSCs that eventually exhibit anti-thrombocytopenic effect. Andrograph-olide a prominent compound in APE is known to stimulate thrombopoietin from liver which showed greater affinity towards thrombopoietin receptor compared to eltrombopag and pegacaristim (compounds used for generation of platelets). The exertion of APE on HSCs proliferation showed a significant effect on cell count with increasing concentrations from 1 μ M to 2 mM. The results were concurrent with the in vitro IL-3 and G-CSF treated HSCs. These findings explain that administration of APE results in the HSCs proliferation and eventual differentiation into platelets.

66. Provider-initiated HIV testing & counselling in incident tuberculosis cases under National TB Programme conditions at a tertiary care teaching hospital in Tirupati, south India.

Mohan A, Harikrishna J, Kumar DP, Kumar ND, Sharma PS, Kumar BS, Sarma KVS.

Indian J Med Res 2017;146:774-9.

Background & Objectives: As sparse published data are available regarding burden of human immunodeficiency virus (HIV) infection in incident tuberculosis (TB) cases at tertiary care teaching hospitals under National TB Programme conditions from India, the present study was designed to assess the proportion of referred registered TB patients who had actually undergone HIV testing and HIV-seropositivity in these. **Methods:** This was a study of provider-initiated HIV testing and counselling in patients registered for the treatment under Revised National TB Control Programme (RNTCP) of Government of India at a tertiary care teaching hospital in Tirupati, south India, during 2012-2013. **Results:** Between January 2012 and June 2013, 610 adult patients registered under RNTCP who were referred to Integrated Counselling and Testing Centre for HIV testing, were prospectively studied. Of these, 458 patients (75%) [mean age: 38.6 \pm 16.3 yr; 295 (64.4%) males] underwent HIV testing; HIV-co-infection was present in 21 (4.6%) patients. A significantly higher proportion of HIV co-infection was evident in PTB compared with EPTB [13/179 (7.2%) vs 8/279 (2.8%); respectively, $P=0.038$] and in previously treated patients compared to new patients [6/51 (11.8%) vs 15/407 (3.7%); respectively, $P=0.009$]. **Interpretation & Conclusions:**

The findings of this study showed that a higher proportion of TB patients underwent HIV testing (75%) compared to the national figure of 63 per cent in 2013-2014. HIV seropositivity (4.6%) in TB patients who underwent HIV testing was similar to the five per cent figure observed at national level during 2013-2014. The HIV status of 25 per cent of patients with incident TB still remained unknown, suggesting a need for better integration and co-ordination for effective management of HIV-TB co-infection.

67. Impact of nicotine replacement therapy as an adjunct to anti-tuberculosis treatment and behaviour change counselling in newly diagnosed pulmonary tuberculosis patients: an open-label, randomised controlled trial.

Sharma SK, Mohan A, Singh AD, Mishra H, Jhanjee S, Pandey RM, Singh BK, Sharma R, Pallipamu PB, Pai M, Dheda K.

Sci Rep 2018;8:8828.

We evaluated the impact of intensive smoking cessation activities as an adjunct to anti-tuberculosis treatment on patient-related treatment outcomes. In this open-label, randomised controlled trial, self-reporting smokers with pulmonary tuberculosis who initiated standard anti-tuberculosis treatment were randomised to either nicotine replacement therapy and behaviour change counselling ($n=400$) or counselling alone ($n=400$) provided at baseline and two follow-up visits. The primary outcomes were change in TBscore at 24-weeks and culture conversion at 8-weeks. Biochemical smoking quit rates defined as serum cotinine levels $<10\text{ng/mL}$ and/or exhaled carbon monoxide levels $<6\text{ppm}$ (47.8% vs 32.4%, $p\text{-value}=<0.001$) and self-reported quit rates (69.3% vs 38.7%, $p\text{-value}=<0.001$) were significantly higher in the intervention arm at 24-weeks. Though the TBscores at 24 weeks (95% CI) were lower in the intervention arm [2.07 (1.98, 2.17) versus 2.12 (2.02, 2.21)], the difference was not clinically meaningful. Patients in the control arm required treatment extension more often than intervention arm (6.4% vs 2.6%, $p\text{-value}=0.02$). Combining nicotine replacement therapy with behaviour change counselling resulted in significantly higher quit rates and lower cotinine levels, however, impact on patient-related (TBscore) or microbiological outcomes (culture conversion) were not seen.

68. Protein carbonyls and protein thiols in rheumatoid arthritis.

Pullaiah P, Suchitra MM, Siddhartha Kumar B.

Int J Res Med Sci 2018;6(5):1738-41.

Background: Oxidative stress (OS) has an important role in the pathogenesis and progression of rheumatoid arthritis (RA). OS causes protein modification, thereby impairing the biological functions of the protein. This study was conducted to assess the oxidatively modified protein as protein carbonyl content and the antioxidant status as protein thiols, and to study the association between protein carbonyls and protein thiols in RA. **Methods:** Newly diagnosed RA patients who were not taking any disease modifying anti-rheumatic drugs were included into the study group (n=45) along with age and sex matched healthy controls (n=45). Serum protein carbonyl content and protein thiols were estimated. **Results:** Elevated protein carbonyl content and decreased protein thiol levels ($p<0.001$) were observed in RA. A significant negative correlation was observed between protein carbonyl content and protein thiol levels ($p<0.001$). **Conclusions:** Oxidative stress in RA is evidenced by enhanced protein oxidation and decreased antioxidant protein thiol levels. Decreased protein thiols may also reflect protein modifications leading to compromise in the antioxidant properties. This oxidant and antioxidant imbalance needs to be addressed by therapeutic interventions to prevent disease progression.

69. A prospective study on the common infectious causes of thrombocytopenia (dengue fever, leptospirosis, scrub typhus and malaria) in a tertiary care teaching hospital.

Nibandhana G, Kalawat U, Sharma KK, Patnayak R, Katyarmal DT, Chaudhury A.

J Clin Sci Res 2018;7(1):2-6.

Background: The present study was undertaken to know the contribution of four infectious causes of fever namely dengue, chikungunya, scrub typhus and malaria in patients presenting with fever of more than one week duration with thrombocytopenia in a tertiary care teaching hospital, Tirupati, Andhra Pradesh. **Methods:** In this prospective study, 1014 samples from different patients who presented with fever and of more than one week duration and thrombocytopenia were collected over a period of six months and were processed for the detection of non-

structural 1 (NS1) glycoprotein antigen for dengue, immunoglobulin M (IgM) antibodies for leptospirosis and scrub typhus by ELISA and malaria parasite by quantitative buffy coat (QBC). Results: Among 1014 samples obtained from patients with fever with thrombocytopenia, 111 (10.94%) were due to thrombocytopenia due to infectious causes. Ninety (81.08%) were due to single infection and twenty one (18.92%) due to co-infections. Males were more affected. Peak incidence was in 40-49 years of age with scrub typhus as the predominant infection. Grade-3 thrombocytopenia was more common in all the four infections. **Conclusions:** Our observations suggest that scrub typhus was the predominant cause of fever with thrombocytopenia, along with dengue, leptospira and malaria. Diagnostic evaluation should include search for these causes in patients presenting with fever with thrombocytopenia. This can be helpful as both are easily treatable infections with commonly available oral antibiotics.

70. Transfusion-related acute lung injury.

Raja V A, Rahul C, Kumar M K, Pradeep V, Sreedhar Babu K V, Harikrishna J.

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

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

71. The detection of metallo beta lactamase producing *Pseudomonas aeruginosa* in a tertiary care hospital.

Ramana BV, Rajasekhar K, Chaudhury A.

Int J Pharmaceut Res Bio Sci 2018;7(5):21-8.

Aim: The present study was undertaken to detect presence of metallo beta lactamase producing *Pseudomonas aeruginosa* in clinical isolates in our hospital.

Methods: 50 non-repetitive clinical isolates consecutively isolated during the period of 6 months from August 2016 to February 2017 were included in the study. Various samples collected like urine, pus, blood, catheter tips, and body fluids. All isolates with gram negative bacilli, catalase and oxidase positive, polymyxin B sensitivity were included in this study. MBL detection was done by Imipenem-EDTA combined disk method (CDT). **Results:** Among 50 imipenem resistance *Pseudomonas aeruginosa* isolates tested for metallobeta lactamases 18 (36%) isolates were shown positive results and remaining 32 (64%) isolates were shown negative results. **Conclusion:** To conclude there are 36% of metallo beta-lactamase producing *Pseudomonas aeruginosa* prevalent in our area. Therefore, detection of these MBL producing *P. aeruginosa* is crucial for optimal treatment of critically ill patients and to prevent the spread of resistance.

72. Nontuberculous mycobacteria infection following laparoscopic hernia repair

Ramana BV, Mutheswaraiyah Y, Chaudhury A.

Int J Pharmaceut Res Bio Sci 2018;7(5):37-45.

A 44 years male with umbilical hernia who underwent a planned laparoscopic surgery was readmitted after 6 weeks for swelling and abscess involving anterior abdominal wall. Gram smear and bacterial culture did not yield any organism. Diagnosis of atypical mycobacteria rapid grower was made which was confirmed later to be *M. fortuitum*. This case highlights the importance of strict aseptic precautions even during the minor procedures.

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

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

Indian J Med Microbiol 2018;36(2):236-40.

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

74. Detection of biofilm producing potentials of various species of coagulase negative Staphylococci under different environmental conditions and its clinical relevance.

Nagaraja Mudhigeti, Abhijit Chaudhury, Kalyani Kurava, Usha Kalawat.

Euro J Biomed Pharma Sci 2018; 5(3):609-15.

Background: In recent years Coagulase Negative Staphylococci (CoNS) has been recognised as potential pathogen. CoNS are known to produce various virulence factors; slime (biofilm) production is one of such virulence factor associated with several nosocomial infections related to prosthetic devices and indwelling catheter. Slime producing CoNS are known to cause chronic infections, which require a prolonged period of therapy to eliminate

the infection. Materials and methods: Total of one hundred clinically significant CoNS were further subjected to speciation by standard phenotypic methods. Antibiotic susceptibility testing was performed on all isolates by Kirby Bauer disc diffusion method. Slime production was determined by two different methods namely tissue culture plate method (TCP) and tube method. Effect of different physiochemical conditions on biofilm production was determined by both methods. **Results:** CoNS were identified as *S.schleiferi*, *S.heamolyticus*, *S.lugdunensis*, *S.epidermidis* and *S.saprophyticus*. Of these, 44 were female and 56 were male cases. A total of 15 and 20 isolates were detected as biofilm positive phenotypes by tube and TCP assays respectively. Biofilm positivity varied greatly from 60% by *S.epidermidis* to nil produced by *S.saprophyticus*.

75. Subcutaneous Rhytidhysterion Infection: A Case Report from South India with Literature Review.

Mudhigeti N, Patnayak R, Kalawat U, Yeddula SR.

Cureus 2018;10(4).

Rhytidhysterion is a saprophytic dematiaceous fungus which rarely infects humans. Though virtually all individuals are exposed, very few develop the disease. Only seven human cases are reported till date. The present case is the second case from South India. A 40-year-old immunocompetent female agricultural worker, presented with a swelling on the dorsum of the right hand. Fine needle aspiration cytology (FNAC) of the swelling revealed short, thick, branched septate fungal hyphae. The isolate was moderately slow growing; grayish white colonies were observed on Sabouraud's Dextrose Agar (SDA) slant. On further incubation, the colonies turned floccose, greyish black and the black pigment was observed on the reverse. Microscopy of lactophenol cotton blue tease mount showed thick, brown septate hyphae without any fruiting bodies. Molecular typing confirmed the isolates as *Rhytidhysterion rufulum*. Identification of all clinical isolates of nonsporulating fungi to genus level is necessary to identify rare fungi infecting humans.

76. Assessment of cardiovascular risk in patients with chronic kidney disease –A study from a tertiary care centre in south India.

Sandeep P, Aparna R.Bitla, G.Sarvari, SrinivasaRao PVLN, N.HariniDevi, Siva Kumar V.

J Indian College of Cardiol 2018;8(4):195-9.

Introduction: Patients with chronic kidney disease (CKD) are at an increased risk of cardiovascular disease (CVD) with ethnic and geographic differences. The present study aimed to assess the CVD risk in patients with CKD attending a tertiary care centre in south India using the global CVD risk score incorporating the traditional risk factors and compared with a risk score incorporating the novel risk factors to assess which among these could identify the CVD risk better. **Methods:** Seventy five patients with CKD from stages 1 to 4 were included along with 25 healthy individuals. Biochemical markers i.e lipid profile, hsCRP, fibrinogen, uric acid, homocysteine, Lp(a) and MDA were estimated using standard methods. Global risk was calculated as described previously. We developed a similar risk score incorporating the novel risk factors called novel CVD risk score. **Results:** Patients with end stage renal disease and advanced CKD had higher novel CVD risk score compared to patients with early CKD and increased with progression of disease. The global risk score was comparable between the groups. **Conclusion:** Novel CVD risk score increases with progression of disease and may thus be a better index of CVD risk in patients with CKD in south Indian population. We recommend calculating each CKD patient's global risk and risk based on novel risk factors and its documentation in their case records so as to guide risk factor intervention

77. Exit-Site Infection: A Comparison of Classification Systems.

Sangeetha B, Deepa N, Hemalatha M, Latha CM, Ram R, Siva Kumar V.

Perit Dial Int 2018;38:6462-3.

In general, in peritoneal dialysis (PD) practice in hospitals, Twardowski and Prowant's exit-site classification system is used, while the International Society for Peritoneal Dialysis (ISPD) exit-site scoring system is practical to use in community visits with less experienced healthcare personnel. Nevertheless, when exit-site scoring is 3 points under the ISPD exit-site score system and it falls in the category of equivocal under the Twardowski and Prowant's exit-site classification, the physician should be vigilant about the possibility of developing peritonitis, and hence, patients need to be kept under periodic monitoring.

78. Cephalic arch stenosis: Location of stenosis in indian hemodialysis patients.

Sarala S, Sangeetha B, Mahapatra V S, Nagaraju R D, Kumar A, Lakshmi A Y, Ram R, Kumar V S.

Indian J Nephrol 2018;28:273-7

The cephalic vein is formed over the “anatomical snuff box” and joins the axillary vein just below the clavicular level. The definition of cephalic arch is varied. In the radiology literature, it is defined as the central perpendicular portion of the cephalic vein as it traverses the deltopectoral groove and joins the axillary vein. The possible etiologies of cephalic arch stenosis are numerous. This study aimed to identify patients with cephalic arch stenosis and to discern the domain site of stenosis. This is a retrospective case series of patients who had an arteriovenous fistula with dysfunction of access and ipsilateral upper-limb edema. The clinical features of the access dysfunction were strong pulse due to increased pressure, weak thrill due to poor proximal flow, high static pressure, or decreased dialysis efficiency. All these 25 patients underwent computed tomography (CT) angiogram. The CT angiographic findings revealed cephalic arch stenosis and stenosis in 13 patients (52%). domain IV was slightly more affected than other domains of cephalic arch.

70. Mitochondrial Neurogastrointestinal Encephalomyopathy: A Nonrenal Indication for Peritoneal Dialysis.

Chandra VS, Sanggetha Lakshmi B, Padmavathi Devi SVV, Praveen N, Sameera NS, Reddy AS, Ram R, Kumar VS.

Indian J Nephrol 2018;28(4):310-3

Mitochondrial neurogastrointestinal encephalomyopathy is a rare autosomal recessive disorder characterized by severe muscle wasting, gastrointestinal dysmotility, leukoencephalopathy, peripheral neuropathy, and ophthalmoplegia. The pathogenesis involves the accumulation of very high concentrations of nucleosides dThd and dUrd along with depletion of nucleotide dCTP. One of the treatment measures is the removal of nucleosides dThd and dUrd by hemodialysis and peritoneal dialysis. Only a few patient reports of dialysis as a measure to remove nucleosides had been reported.

80. Tunnel infection diagnosed by 18 F-FDG PET/CT scan.

Sangeetha B, Sarat Chandra V, Praveen N, Ram R, Siva Kumar V.

CEN Case Rep 2018;7(1):180-2.

A 65-year-old lady, type 2 diabetic and hypertensive on peritoneal dialysis for end stage renal disease for the past 24 months. She underwent two exchanges per day with 2.5% dextrose dialysis solution on automated peritoneal dialysis. She had 1.5 L of ultrafiltrate and 200 mL of urine per day. The patient membrane transporter status was high average. The weekly kt/v done 6 months before was 1.4. There were no episodes of peritonitis. She presented with an umbilical hernia; a defect of 0.5 cm diameter and pain on tunnel. There was no redness on tunnel. The dialysis fluid was clear and there was no pain abdomen. Cuff extrusion was not present. A tunnel ultrasound revealed collections at several points along the catheter. An ultrasound guided aspiration was done. The aspirate was clear akin to dialysis fluid. There were no cells. There were no organisms on Gram and Ziehl Neelsen staining and KOH mount. The cultures were sterile [1–5]. An 18F-FDG PET/CT scan was done to identify the presence of tunnel infection. It had shown the presence of metabolically active collection in the tunnel (Fig. 1). An ultrasound guided aspiration of the metabolic active collection was done. The culture showed the growth of *Staphylococcus aureus*. The organism was sensitive to vancomycin, linezolid, ampicillin and doxycycline. She was treated with four doses of injection vancomycin 1.0 g for every 72 h and tablet doxycycline 100 mg per day for 21 days. After 18 days of treatment the extra peritoneal portion of the catheter was changed to right side with a new tunnel formation and simultaneous repair of the umbilical hernia. This step ensured us to prevent peritonitis.

81. Sensorineural deafness following tacrolimus use.

Lakshmi BS, Vidya B, Reddy MHK, Kumar ACV, Ram R, Kumar VS.

Exp Clin Transplant 2018. doi: 10.6002/ect.2017.0114.

Early trials of tacrolimus in renal transplant recipients have not revealed hearing loss as an adverse effect. Here, we present a case report and a review of the literature of deafness after tacrolimus use. The review of the literature and our experience suggested that the possible reason for

hearing loss could be due to an initiation of a sudden spike in the tacrolimus serum level, which was later worsened by its cumulative toxic effect.

82. Fungal peritonitis in Continuous Ambulatory Peritoneal dialysis (CAPD) patients.

Anju Verma, Praveen Nallamotheu, Usha Kalawat, Siva Kumar Vishnu Bhotla.

J Clin Diagnos Res 2018;12(8):6-9.

Introduction: Continuous Ambulatory Peritoneal Dialysis (CAPD) is a well established treatment modality for End Stage Renal Disease (ESRD) which has advantages in providing mobility and more independence to the patient but at the same time some complication are more commonly associated with it. Fungal Peritonitis (FP) is one of such complications which although rare, is a serious concern with failure of the technique and fatal outcome. Aim: To analyse the incidence, associated risk factors and the outcome of FP in CAPD patients. **Materials and Methods:** This was a ten year (2008-2017) retrospective study conducted on 180 ESRD patients who were on continuous ambulatory peritoneal dialysis. Case sheets were retrieved from medical record department section and data was analysed. **Results:** The incidence of FP was 10%, with female's preponderance (55.5%). The most common fungus isolated was *Candida albicans* in 61.1% patients (11), followed by *Aspergillus niger* 22.2% (4), *Curvularia lunata* 11.1% (2) and *Fusarium spp* in 5.5% (1) in descending order. On the diagnosis of FP, catheter was removed immediately and the patient was treated appropriately. Re-insertion was done in 22.2% of patients, whereas 33.3% patients were shifted to haemodialysis and 44.4% patients expired. Filamentous fungi were the cause for 75% of the mortality. **Conclusion:** *Candida spp* remains the most common cause of FP but filamentous fungi are more commonly associated with fatal outcome.

83. Osteopontin, Cardiovasculr Risk Factors and Carotid Intima-Media Thickness in Chronic Kidney disease.

Chaitanya V, Harini Devi N, Suchitra MM, Srinivasa Rao PVLN, Vijaya Lakshmi B, Siva Kumar V.

Indian J Nephrol 2018;28(5):358-64.

The pleiotropic cytokine osteopontin (OPN) is found to be involved in the pathogenesis of both kidney and

cardiovascular disease (CVD). We evaluated the relationship between OPN, other cardiovascular risk factors and carotid intima-media thickness (CIMT) in chronic kidney disease (CKD) (predialysis) patients. This is a 2-year cross-sectional prospective study involving 75 patients with CKD from stage 1 to stage 5 attending the nephrology outpatient department and 25 healthy controls. Routine biochemical parameters were analyzed on clinical chemistry Autoanalyzer Beckman Coulter DXC 600 Synchron, USA. OPN was estimated by ELISA method. Carotid intima-media wall thickness was estimated by Doppler of carotid vessels. Serum OPN and other nontraditional cardiovascular risk factors such as CIMT, lipoprotein (a) Lp(a), fibrinogen, and homocysteine were significantly increased in patients of CKD compared to controls. OPN, Lp(a), fibrinogen, CIMT, parathyroid hormone, and homocysteine progressively increased from early stages of CKD and increased further with progression of the disease, but nitric oxide (NO) level progressively decreased with progression of CKD. OPN showed a positive correlation with CIMT, Lp(a), fibrinogen, and homocysteine and negative correlation with estimated glomerular filtration rate and NO. There was a close direct association between circulating levels of OPN and the presence of atherosclerotic plaques in carotid arteries of patients with CKD. Osteopontin and nontraditional CVD risk factors are altered in early stages of CKD and might predict adverse outcomes in these patients.

84. Pickering syndrome in a dialysis patient: A case report with review of pathophysiology.

Lakshmi B S, Nagaraj R D, Chaitanya V, Reddy M H, Kumar AC, Sridhar A V, Kishore C K, Kumar V S.

J NTR Univ Health Sci 2018;7:57-9.

Flash pulmonary edema (FPE) is a rare clinical presentation of renal artery stenosis. It is an episode of abrupt onset pulmonary edema that resolves rapidly. It occurs in patients with bilateral renal artery stenosis or unilateral renal artery stenosis with a solitary functioning kidney. We report a patient of diabetic end-stage renal disease on maintenance hemodialysis who manifested FPE on a few occasions which responded to renal revascularization. The indications of renal revascularization have been narrowed to poor blood pressure control, when progressive loss of renal function is encountered, or when circulatory congestion is a prominent feature.

85. Changes in the inflammatory and oxidative stress markers during a single hemodialysis session in patients with chronic kidney disease.

Sangeetha Lakshmi B¹, Harini Devi N², Suchitra MM², Srinivasa Rao PVLN², Siva Kumar V.

Ren Fail. 2018 Nov;40(1):534-40.

Background: Cardiovascular disease (CVD) is a common cause of morbidity and mortality in end-stage renal disease (ESRD) patients on hemodialysis (HD) among whom it is 5-20 times higher than in the general population. Some of the nontraditional risk factors such as oxidative stress and inflammation are related to the progress of CVD in HD patients. Several, but not all studies, reported that inflammatory and oxidative stress markers are increased during a single session of HD, mimicking changes that occur during acute immune activation. This study was taken up to evaluate the changes in the inflammatory and oxidative stress markers during a single HD session in patients with chronic kidney disease. **METHODS:** Twenty-five ESRD patients on maintenance HD and 25 controls were included in the study. Blood samples were obtained from the patients before starting of hemodialysis (pre-HD) and after completion of hemodialysis (post-HD). The changes in serum Pentraxin-3, hs-CRP, malondialdehyde (MDA) and ferric reducing ability of plasma (FRAP) levels were measured in pre- and post-HD ESRD patients and compared with healthy control group. **RESULTS:** This study found increased levels of Pentraxin-3, hs-CRP, MDA, and decreased level of FRAP in HD patients compared to controls. **Conclusions:** Hemodialysis procedure contributes to inflammation and oxidative stress.

86. Squamous cell carcinoma tongue in a postrenal transplant patient: A case report and review of literature.

Patnaik R, Lakshmi B S, Reddy M H, Kumar AC, Jena A, Kumar V S.

Indian J Transplant 2018;12:156-8

The risk of malignancy in renal transplant patient is higher compared to general population. The prolonged immunosuppression received by these patients is considered to be one of the risk factors for the development of malignancies. Majority of the malignancies are epithelial in nature and predominantly are squamous cell carcinoma.

The sites where squamous cell carcinoma develops in postrenal transplant patients include skin, lip, cervix, vulva, penis, scrotum, anus, and rarely lung. Very few cases of squamous cell carcinoma of the tongue after renal transplant have been documented in the literature. We present one such case where the patient developed squamous cell carcinoma of the tongue 16 years after renal transplant.

87. A clinical and electrophysiological study of peripheral neuropathies in peritoneal dialysis patients: Our experience from rural South India.

Mallipeddi S, Jasti DB, Apparao A, Vengamma B, Sivakumar V, Kolli S.

Saudi J Kidney Dis Transpl 2018;29:1139-49.

The objective was to study the prevalence, clinical features, electrophysiological features, and severity of peripheral neuropathy in chronic kidney disease (CKD) patients on peritoneal dialysis (PD) and effect of the presence of diabetes mellitus (DM). Between May 2015 and December 2016, 100 CKD patients on PD were assessed. The prevalence of peripheral neuropathy was 65% based on clinical symptoms and 92% based on electrophysiological parameters. The mean age was 55.7 ± 10.9 years. About 64% were male. Twelve patients (12%) had motor weakness, 64 patients (64%) had positive symptoms and 60 patients (60%) had negative symptoms. Autonomic symptoms were seen in 14 patients (14%). Definite damage was seen in 68 patients (68%), early damage was seen in 16 patients (16%). In PD patients with DM (n = 50), 50 patients (100%) had definite damage. In PD patients without DM (n = 50), 18 patients (36%) had definite damage, 16 patients (32%) had early damage. In CKD patients on PD, patients aged >50 years (definite damage in 75.7%) showed more severe peripheral neuropathy when compared to patients aged <50 years (definite damage in 53%). Most common nerves involved in the present study were median motor nerve, sural nerve, ulnar sensory nerve, common peroneal nerve, posterior tibial nerve followed by the median sensory nerve. Peripheral neuropathy is common in CKD patients on PD, with higher prevalence and severity in elderly females and diabetics. Rationale management of diabetes in CKD patients on PD probably lowers the prevalence and severity of peripheral neuropathy.

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

Pavithra C, Harini Devi N, Lallith Kumar P, Lakshmi Sowjanya N, Anitha K, Siva Kumar Vishnu B.

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

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

89. Quality of sleep and sleep disorders in patients with parkinsonism: A polysomnography based study from rural South India.

Jasti DB, Mallipeddi S, Apparao A, Vengamma B, Kolli S, Mohan A.

J Neurosci Rural Pract 2018;9(1):92-9.

Objective: The objective of this study is to study the quality of sleep, sleep disorders, and polysomnographic profile in Parkinsonism patients from rural areas and to correlate polysomnographic profile with the staging of disease and with sleep questionnaire. **Materials and Methods:** Between May 2014 and December 2015, 168

Parkinsonism patients were prospectively screened using sleep questionnaire; Epworth Sleepiness Scale (ESS), Pittsburgh Sleep Quality Index (PSQI), Parkinson Disease Sleep Score-2 (PDSS-2). Sixty patients underwent overnight polysomnography subsequently. **Results:** The mean age of 168 patients in the study was 65.3 ± 12.8 years. The mean duration of Parkinsonism was 4.6 ± 3.1 years. The mean ESS, PSQI and PDSS-2 were 12.4 ± 3.2 , 7.9 ± 2.1 and 44.7 ± 5.8 , respectively. A total of 148 patients (88.1%) had poor quality sleep, which was reported only in 37 patients (22%). Excessive daytime sleepiness (80%) and insomnia (76.7%) were most common symptoms. Polysomnographic profile showed poor sleep efficiency (median interquartile range [IQR] 74.8% [17.8%–99.5%]), reduced slow wave sleep (median [IQR] 0% [0%–9.5%]), and reduced rapid eye movement [REM] sleep (median [IQR] 4.9% [0.1%–24.2%]). Sleep disorders in the study were sleep fragmentation ($n = 60$, 100%), obstructive sleep apnea syndrome ($n = 40$, 66.7%), central sleep apnea syndrome ($n = 6$, 10%), and periodic limb movement disorder ($n = 52$, 86.7%). Two patients had REM sleep behavioral disorder clinically. There was statistically significant positive correlation between staging of disease, sleep latencies, and sleep questionnaire. **Conclusion:** Sleep is impaired in majority of Parkinsonism patients which needs to be diagnosed early and managed effectively. Patient education and awareness programs in rural areas regarding sleep disorders in Parkinsonism are required for early diagnosis.

90. A Clinical and Electrophysiological Study of Peripheral Neuropathies in Predialysis and Dialysis Patients: Our Experience from South India.

Dushyanth Babu Jasti, Sarat Mallipeddi, Apparao Anumolu, Vengamma B, Sivakumar V, Satyaro Kolli:

J Assoc Physicians of India 2018;60:28-35.

Objective: To study the prevalence, clinical features, electrophysiological features and severity of peripheral neuropathy in chronic kidney disease (CKD) patients. **Material and methods:** Between May 2015 and December 2016, 200 CKD patients and 25 controls were assessed prospectively. **Results:** Prevalence of peripheral neuropathy in CKD patients was 50% based on clinical symptoms and 89% based on electrophysiological studies. Mean age of 200 CKD patients was 54.1 ± 11.9 years. 135 (67.5%) were male and 65 (32.5%) were female. Mean duration of disease was 4.2 ± 3.7 years. Positive sensory,

negative sensory and autonomic symptoms were seen in 97(48.5%), 77(38.5%) and 17(8.5%) patients respectively. Symptomatic neuropathy was common in peritoneal dialysis patients. Definite and early damage was seen in 133 (66.5%) and 45 patients (22.5%) respectively, while 22 patients (11%) had no significant peripheral neuropathy. In predialysis patients (n=100); 63 (63%) had definite damage and 24(24%) had early damage. In peritoneal dialysis patients (n=50); 34(68%) had definite damage and 8(16%) had early damage. In hemodialysis patients (n=50); 36(72%) had definite damage and 13(26%) had early damage. Hemodialysis group (98%) showed more severe peripheral neuropathy. Most common nerves involved were sural, ulnar sensory, median sensory, common peroneal and posterior tibial in CKD. Axonal and mixed sensorimotor neuropathy patterns were most common patterns in CKD. **Conclusion:** Peripheral neuropathy is common in CKD with highest prevalence and severity in hemodialysis group. Symptomatic peripheral neuropathy is common in peritoneal dialysis group. Newer treatment modalities are required to manage uremic neuropathy in early stage.

91. Clinical Profile of Patients with Guillain-Barre Syndrome (GBS)

Naveen Prasad SV, Naveen Thota, Anil Kumar K, Vengamma B.

Int J Neurol Neurosurg 2018;10(3):264-8.

Antecedent infection with following organism like cytomegalovirus, Epstein Barr virus, Varicella zoster virus, Human immunodeficiency virus (HIV), Campylobacter jejuni, Mycoplasma pneumoniae and Shigella are implicated in the causation of the Guillain Barre Syndrome. In all the patients the following data were recorded: demographic data; season in which patient developed disease; detailed history of present and preceding (if any) illness; physical as well as neurological examination details; laboratory characteristics including CSF analysis (if done); electrophysiological findings, any need for assisted mechanical ventilation, duration of mechanical ventilation; duration of hospital stay; any complications; treatment given and outcome. The median duration to get admitted in hospital from disease onset was 8 (range 4-18) days, and the median time to reach nadir of the disease was 7 (range 5-14) days. The median duration of total hospital stay was 16 days, with minimum and maximum duration of hospital stay being 7 and 60 days, respectively. All patients presented with symmetrical weakness. Quadriplegia was

present in 54 (88.5%) patients. Global areflexia was present in 53 (88.6%) patients.

92. Prospective Nerve Conduction Studies among Patients with Guillain-Barre Syndrome.

Naveen Thota, Naveen Prasad SV, Anil Kumar K, Vengamma B.

Int J Neurol Neurosurg 2018;10(3):252-9.

There is considerable geographical variation worldwide in the prevalence rates of the subtypes of GBS. AIDP is the most common subtype in the Europe and North America constituting for 90% cases, while in Japan and China it is the AMAN subtype. In India there is disparity among the studies regarding the prevalence of subtypes. Serial nerve conduction studies (NCS) were done on the day of admission and in between 3-8 weeks from the onset of illness. Electrophysiology was performed according to conventional standard methods by a qualified senior technician trained and experienced in electromyography using Medelec synergy (VIASYS Health Care, USA) machine. In all the subtypes men outnumbered women. Mean (SD) MRC sum score at admission of AIDP, AMAN, AMSAN patients at admission are 32 (9), 31 (11), 31 (11) respectively. At discharge the mean (SD) MRC sum score at discharge of the AIDP, AMAN, and AMSAN patients are 47 (10) 41 (12) 43 (11) respectively (p=0.001).

93. Clinical characteristics and NF1 gene mutation analysis of three successive generations in three different Indian families with neurofibromatosis type 1 and peripheral nerve sheath tumours.

Prasad BCM, Chandra VVR, Sudarsan A, Santhosh Kumar P, Sarma PVGK.

J Clin Neurosci. 2018;53:62-68.

Neurofibromatosis type 1 (NF1) is a rare autosomal-dominant disorder caused by inactivation of NF1 tumour suppressor gene, which associates in the development of peripheral nerve tumours. NF1 is an important regulator of GAP and RAS proteins, mutations in NF1 results in the impairment in this function causing specific osseous lesions in any organ of the human body. In the present study, we investigated the clinical characteristics and NF1 gene mutation analysis of 3 unrelated Indian families with neurofibromatosis type 1. All the exons of NF1 gene was PCR amplified and sequenced. The structural and

functional analysis was performed using molecular modelling tools. The sequence analysis of NF1 gene revealed; in family I five novel mutations p.R103K, p.D105N, p.M108I, p.L114M, p.E116X and p.A131S was observed in exon 4. In family II one missense p.A131S mutation and one silent p.L234L mutation was detected in exon 4. While, in family III one novel frame shift p.E225Rfs*6 mutation was identified in exon 7 resulting in the truncated protein formation. Further, the structural analysis revealed all these mutations fall in the protein kinase C domain of NF1 gene causing loss of functional GRD and CSRD domains. In conclusion, novel mutations in the exon 4 and exon 7 of NF1 gene in these families correlating with genotype-phenotype characters explaining the neurofibromatosis type 1 and peripheral nerve sheath tumours condition in these patients.

94. Minimally invasive transforaminal lumbar interbody fusion using bone cement-augmented pedicle screws for lumbar spondylolisthesis in patients with osteoporosis. Case series and review of literature.

Chandra Vemula VR, Prasad BC, Jagadeesh MA, Vuttarkar J, Akula SK.

Neurol India 2018;66(1):118-25.

Background: Instrumentation in patients with osteoporosis is challenging. Bone cement-augmented fenestrated pedicle screw fixation is a new procedure for fixation in the osteoporotic bone; and, applying minimally invasive techniques to the above is a challenging and novel concept. **Aims:** To evaluate the clinical and radiological outcome of minimally invasive spine surgery transforaminal lumbar interbody fusion (MIS-TLIF) in patients with spondylolisthesis and poor bone quality, performed with rigid instrumentation using bone cement [poly(methylmethacrylate)]-augmented fenestrated pedicle screws. **Settings and Design:** Prospective, observational, single-center study. **Statistical Analysis Used:** Wilcoxon nonparametric test for paired samples with a level of significance of 0.05. **Methods:** A clinical series of 25 patients with lumbar spondylolisthesis and osteoporosis who underwent minimally invasive TLIF with bone cement-augmented pedicle screws were included in the study. Clinical outcome and the function were assessed using the visual analog scale (VAS) score for pain and the Oswestry Disability Index (ODI). Perioperative, postoperative, and long-term complications

were monitored with a mean follow-up of 18 months.

Results: A total of 25 (20 female and 5 male) patients were included in the study with an average age of 61.05 years. The major symptom was low back pain with radiating pain to lower limbs. The average T-score was -3.0. All the patients were followed clinically and radiologically. There was a statistically significant improvement in the VAS scores and ODI scores postoperatively. No events of cement extravasation, radiological loosening, or pulling out of screws were observed. **Conclusions:** Fenestrated pedicle screw fixation with bone cement augmentation in patients with osteoporosis is a well-established alternative to increase the pullout strength of screws placed in the osteoporotic bone. Applying the concept of minimally invasive surgery to this procedure makes it a more complete solution for instrumentation in osteoporotic spine. Our series is the largest in literature on spondylolisthesis and confirms the feasibility and safety of this procedure in treating spondylolisthesis in the aging population.

95. 18F Fluorodeoxyglucose Positron Emission Tomography - Computed Tomography in Evaluation of Large Vessel Vasculitis.

Rayudu AL, Kalawat T, Mohan VS, Mohan A, Lakshmi AY, Manthri RG.

Indian J Nucl Med 2018 Jan-Mar; 33(1): 48–51

18F-fluorodeoxyglucose positron emission tomography-computed tomography (18F-FDG PET-CT) is a rapidly evolving hybrid imaging technique in evaluation of infection and inflammation. Usually, functional changes often precede anatomical changes. 18F-FDG PET-CT, a noninvasive diagnostic test and it is useful for the early detection of inflammation. Most of the large vessel vasculitis patients present with nonspecific signs and symptoms, which are difficult to diagnose clinically. Here, we discuss three cases of large vessel vasculitis with different clinical presentations, identified by 18F-FDG PET-CT scan.

96. Role of 18F-fluorodeoxyglucose positron emission tomography/computed tomography in detecting posttransplant lympho proliferative disorder.

Kumar S M, Priya R, Kalawat T C, Kadiyala S, Manthri RG, Rukmangadha N, Kumar S.

Indian J Transplant 2018;12:224-6

Posttransplant lymphoproliferative disorder (PTLD) is the second most common malignancy in adults and most common malignancy in children, following transplantation. Ascertaining the cause of PTLD requires an extensive clinical and diagnostic workup. Here, we report a case of postrenal transplant recipient presenting with the features of fever, pain abdomen, and breathlessness. 18F-fluorodeoxyglucose (FDG) positron emission tomography/computed tomography which was done showed increased FDG uptake in axillary, mediastina, abdominal lymphadenopathy, soft tissue, and muscle deposits.

97. Prostatic abscess as a cause of pyrexia of unknown origin in posttransplant recipient detected on F18 Fluorodeoxyglucose positron emission tomography/computed tomography.

Lolla DP, Krishna Mohan V S, Manthri R, Kalawat T, Lakshmi AY, Kumar V S.

Indian J Transplant 2018;12(2):152-5.

Renal transplant recipients are at an increased risk for opportunistic infections especially in the first year post transplant. Ascertaining the cause of infection requires an extensive clinical and diagnostic evaluation. Here we report a case of pyrexia of unknown origin (PUO) in a renal transplant recipient, who after extensive conventional evaluation was negative. Later F18 FDG PET/CT detected the cause of fever focus as prostatic abscess. This case has been reported to highlight the utility of F18 FDG PET/CT in post renal transplant setting to evaluate the cause of fever.

98. Hyperphysiological F-18 fludeoxyglucose uptake of masticator muscles in a case of awake bruxism.

Moulika J S, Reddy S A, Krishna Mohan V S, Manthri R, Kalawat T C.

Indian J Nucl Med 2018;33:342-4.

F-18 FDG is a tracer of glucose metabolism, which is commonly used in PET/CT for oncological diagnosis and staging. F-18 FDG uptake represents the glycolytic activity in the cell. Physiological FDG concentration may be noted often in the muscles of head and neck, tongue, muscles on mastication, extra ocular muscles due to eye movements, cricopharyngeus and posterior cricoarytenoid muscles on phonation, etc. Here we report a case of Awake Bruxism,

who came for F-18 FDG PET/CT for evaluation of Pyrexia of unknown origin (PUO), showing intense F-18 FDG uptake symmetrically in masticator muscles. Bruxism is a habit of involuntary spasmodic grinding or clenching of teeth. Many factors like psychosocial, genetic, certain medications and sleep disorders are known to be associated with bruxism. Therefore knowledge of physiological F-18 FDG uptake as well as artifactual uptake is essential for nuclear medicine physicians, to avoid ambiguity in diagnosis.

99. A comparative study between spontaneous placental delivery & manual removal of placenta during caesarean section.

Varsha S, Kandluri V, Brindhini U, Esanakula J.

J Evid Based Med Healthc 2018;5(10):898-903.

Background: The objectives of this study were to assess intra operative advantages and disadvantages, surgical benefits and problems, and postoperative febrile morbidity following spontaneous delivery of placenta, as compared to manual removal of placenta during caesarean section.

Materials and Methods Pregnant women with term gestation admitted as in-patients in SVIMS, Sri Padmavathi Medical College, Tirupathi over a period of 2 years from June 2015 to May 2017. 200 women scheduled for lower segment caesarean section through Pfannenstiel incision were randomized into spontaneous expulsion or manual removal of placenta group and their intraoperative and postoperative outcomes were studied which were statistically compared. **Results:** There was significant reduction in perioperative haemoglobin and PCV decrease.

100. PCOS, Analysis of symptoms & Management in a tertiary hospital.

Esanakula J, Kandluri V, Vasha S, Usha Brindhini.

J Evid Based Med Health Care 2018;5(21):1601-6.

Background: The objectives of the study are- to assess various symptoms and the pharmacological agents used for the management of polycystic ovarian syndrome and their effectiveness at tertiary care hospital. **Materials and Methods:** It is a hospital based retrospective study. Retrospective analyses of OPD records of patients were collected and their symptoms, treatment and follow up noted and analysed. **Results:** Most of the subjects were between 15-20 yrs. age. 40% of the study subjects were overweight.

72 women had irregular menstrual cycles. Medroxyprogesterone and norethisterone were the progesterones most commonly used. Combined oral contraceptives with cyproterone and levonorgestrel were also used in PCOS. Tranexamic acid, mefenamic acid and metformin were the non-hormonal agents used. **Conclusion:** In our study we conclude that polycystic syndrome is predominant in young age people than in adolescent people group. This leads to increase in risk for infertility, obesity and cardiovascular disease. Hormonal therapy and Miscellaneous therapy are effective in PCOS and over two-third of patients had restoration of their individual symptoms.

101.Efficacy of Oxytocin & misoprostal versus Oxytocin infusion in the prevention of post partum haemorrhage after caesarean section

Usha Brindhini Mathialagan, Vanaja Kandluri, Varsha Suma, Sanakula Jahnvi, Tapala Pallavi, Thunga Veronica.

Int J Med Healthy Sci 2018;7(3).

Background: Postpartum hemorrhage (PPH) is the most common cause for maternal death. Nowadays incidence of PPH has reduced because of uterotonic drugs. In our study, we have compared the efficacy of intravenous oxytocin and rectal misoprostol versus oxytocin infusion in preventing PPH after caesarean section. **Material and Methods:** It is a prospective cross-sectional study. A total of 50 pregnant women were enrolled in the study who were divided into two groups. Group 'A' included 25 primigravida / multigravida with singleton pregnancy who underwent caesarean section. They all received 10 IU intravenous oxytocin after the delivery of baby. Group 'B' included equal number of primigravidas/multigravida with singleton pregnancy, who underwent caesarean section and received 600µg of misoprostol per rectally and 10 IU oxytocin intravenously after delivery of the baby. **Results:** In both the groups, most of the study subjects were in the age group of 20-25 years (44% versus 48%). The mean blood loss in Group A was found to be 750 ± 185.40 ml whereas in Group B it was 772 ± 311.06 ml. The mean Pre operative Hb in Group A was found to be 11.48 ± 1.49 gm/dl and in Group B, it was 11.57 ± 1.60 gm/dl. We observed the mean post operative blood loss for a period of 24 hrs after Cesarean section is not statistically significant in the two groups studied ($p = 0.76$). The difference between pre operative and post operative Hb values is not statistically

significant. **Conclusion:** Simultaneous administration of oxytocin and misoprostol has no advantage over oxytocin alone.

102.Valve of Cytokeratin-19, Hector Battifora Mesothelial-1 & Galectin-3, Immunostaining in the diagnosis of thyroid neoplasm.

Rajasekhar S, Rukmangadha N, Amit Kumar C, Phaneendra B.V, Mutheeswaraiah Y, Narendra H, Alok S.

J Lab physicians 2018;10(2):200-7.

Background: Diagnosis of types and aggressiveness of thyroid cancers is difficult. The "gold standard" in diagnosis is using routine hematoxylin and eosin staining. Several markers have been investigated for differentiating them among which cytokeratin-19 (CK-19), Hector Battifora mesothelial cell (HBME-1), and galectin-3 are found to be most commonly used. Most studies have evaluated the single expression of markers in various thyroid lesions. **Aims and Objectives:** To know the value of immunohistochemical expression of CK-19, HBME-1, and galectin-3 in diagnosing thyroid neoplasms. To study the expression and compare the results of HBME-1, CK-19, and galectin-3 immunohistochemical markers in histopathologically diagnosed malignant lesions and nonmalignant lesions and demonstrate their usefulness in differentiating them. **Materials and Methods:** A prospective study was carried out on thyroidectomy specimens sent in 10% buffered formalin to Department of Pathology, SVIMS, Tirupati, from May 2013 to August 2014. Sensitivity and specificity for each marker and their combination in diagnosis were calculated. **Results:** Among 120 cases, nonmalignant lesions were 70 (58.33%) and malignant lesions 50 (41.67%). Among nonmalignant lesions, 65 (93%) were adenomatous goiter and 5 (7%) were follicular adenomas. In malignant lesions, 48 (96%) were papillary carcinoma and 1 (2%) each of follicular carcinoma and anaplastic carcinoma. Among papillary carcinomas, classical were 26 (54.16%) followed by 17 follicular variant (35.41%). Galectin-3 had highest sensitivity of 90% and HBME-1 had highest specificity of 97.14%. **Conclusions:** Panel of HBME-1+ galectin-3 or CK-19, HBME-1, and galectin-3 increase the accuracy of diagnosis in histopathologically difficult cases.

103. Role of immunohistochemistry in the subtyping of Non Small Cell Lung Carcinoma on true cut lung biopsies.

Alekhyia M, Rukmangadha N, Lakshmi A.Y, Manickavasagam M.

Annal Pathol laborat Med 2018;5(5):447-55.

Background: Worldwide, lung carcinoma is the most common cancer in terms of number of cases and deaths. Lung carcinomas are broadly divided into small cell carcinoma and non-small cell lung carcinoma (NSCLC). In recent years availability of targeted therapies necessitated subtyping the NSCLC to improve the survival and quality of life. NSCLC can be subtyped by routine Haematoxylin and Eosin (H&E) stained section slides alone, poorly differentiated tumors are difficult to segregate morphologically, especially in true-cut biopsies, necessitating ancillary techniques like immuno histochemistry (IHC). Hence this study was taken up to examine accuracy of diagnosis of Non-Small Cell Lung Carcinoma (NSCLC) on biopsy samples initially made based on morphology and then with IHC using relevant markers like CK5, CK6, CK7, Napsin-A, TTF-1, P63, Synaptophysin and Chromogranin-A. **Methods:** A prospective study of two years and six months duration during which 111 cases of NSCLC on true-cut biopsies were first reported on Haematoxylin and Eosin sections and later subjected for IHC. **Results:** Out of 111 cases, after IHC, 80 were diagnosed as adenocarcinoma and 31 as squamous cell carcinoma NSCLC were common in the 6th decade. In adenocarcinoma positivity for CK7, TTF1 and Napsin-A was 95%, 75% and 78.75% respectively. In squamous cell carcinoma positivity for CK5, CK6 and P63 was 84%, 81% and 90% respectively. **Conclusion:** CK5, CK6 and P63 can be used for confirming squamous cell carcinoma and CK7, TTF-1 and Napsin-A for adenocarcinoma. We recommend a IHC panel consisting of P63, TTF1 and Napsin-A in NSCLC-unclassifiable and poorly differentiated carcinoma on H&E.

104. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral Squamous Cell Carcinoma.

Sriharsha Haranadh, Rukmangadha N, Vijayalakshmi Devi B, Narendra H

Oral Oncology 2018; 83:115-9.

Objectives: The present study was designed to know and analyze the prevalence of pathological involvement of level IIB and V neck nodes in operable oral cavity squamous cell carcinomas. **Materials and methods:** All treatment naïve, willing biopsy proven patients of age group 18–70/ years with oral cavity squamous cell carcinomas undergoing surgery from May 2015 to December 2016 in a single tertiary care Institute were prospectively analyzed for level IIB and V involvement. **Results:** A total of 199 patients met the selection criteria of the study. Most common site was buccal mucosa, majority were cT2 lesions and 90% underwent Modified neck dissection. 63% of patients had pN0 disease. The rate of involvement of level II b and V nodes was 3% and was associated with higher T size, disease burden in proximal basin and lymphovascular invasion. There was no skip metastasis to level IV. Only one patient had skip metastasis to levels V and IIB each. **Conclusion:** To conclude our data strongly supports omission of level IIB and level V nodal dissection routinely in patients with cT1 and T2 buccal cancers. However, a randomized controlled study to evaluate the morbidity as well as recurrence pattern between the selective and super-selective approach is warranted.

105. Metastasizing uterine mullerian adenosarcoma in a young female: Diagnostic enigma.

Patnayak R, Rukmangadha N, Architha P, Reddy GS, Lakshmi AY, Kannan T, Jena A.

Indian J Pathol Microbiol 2018;61:440-2.

Uterine adenosarcomas are uncommon tumors. It is a biphasic tumor with both epithelial and mesenchymal component. The epithelial component is benign in nature, and the mesenchymal component is malignant. Metastasis is rare in adenosarcoma. We report a case of adenosarcoma with lymph nodal metastasis. A 20-year-old female presented with history of per vaginal bleeding for 1 month. Per vaginal examination revealed a fungating mass protruding through the cervical os. Ultrasonography and magnetic resonance imaging showed a large intrauterine mass. Biopsy of the mass done at an outside hospital was reported as rhabdomyosarcoma. Hence, she was given one cycle of neoadjuvant chemotherapy. Following this, she had profuse bleeding. Emergency hysterectomy with pelvic lymph nodal dissection was performed. The final histopathology was reported as adenosarcoma. One pelvic lymph node showed metastatic deposit of rhabdomyosarcomatous element. In young

females presenting with polypoidal mass, uterine adenocarcinoma can be considered in the differential diagnosis.

106. Comparative Study of Robinson's and Mouriquand's Cytological Grading Systems and Correlation with Histological Grading in Breast Carcinoma.

Vishnu Priya Bukya, Rukmangadha Nandyala, Manilal Banoth, Mutheeswaraiyah Yootla, Amit Kumar Chowhan, Aruna K Prayaga.

J Clin Diagnostic Res 2018;12:4-8.

Introduction: Fine Needle Aspiration Cytology (FNAC) plays a critical role in the initial evaluation and early diagnosis of breast masses, by providing relevant information on aggressiveness of tumour thus helping in the management. There is no gold standard for cytological grading due to lack of agreement among the pathologists and clinicians to accept them on par with Scarff-Bloom-Richardson (SBR) grading system. **Aim:** To study cytological grading by fine needle aspirate smears of breast carcinoma using Robinson's grading and Mouriquand's grading and to correlate with SBR histopathological grading on excised breast cancer specimens. **Materials and Methods:** This was a prospective study from March 2016 to August 2017, which included 75 cases of cytologically proven duct cell carcinoma of breast with their corresponding histopathology. They were graded cytologically by Robinson's and Mouriquand's methods and correlated histologically with SBR grading method. SPSS version 16.0 was used to calculate sensitivity, specificity and diagnostic accuracy. Concordance and discordance rates were measured by Kappa measurement of agreement. **Results:** Cases were divided into 3 grades both by Robinson's and Mouriquand's cytological grading methods. By Robinson's method out of 75 cases, 10 cases (13.33%) were Grade I, 57 cases (76%) were Grade II and 8 cases (10.66%) were Grade III. According to Mouriquand's method cases were graded as Grade I-14 cases (18.66%), Grade II-54 cases (72%) and Grade III-7 cases (9.33%). As per histological grading done on surgical specimens according to SBR grading system, we found 23 (30.66%) were Grade I, 41 (54.66%) were Grade II and 11 (14.66%) were Grade III. The concordance between the 2 cytological gradings was 85%. The

concordance and discordance rates between Robinson's cytological and Mouriquand's grading with SBR histological grading was 78.6%, 66.6%, 21.4% and 33.4% respectively. The kappa values of agreement for Robinson's and Mouriquand's cytological gradings were $k=0.100$ (very good agreement) and $k=0.118$ (fair agreement) respectively. **Conclusion:** Cytological grading of breast carcinoma can be done by both Robinson's and Mouriquand's cytological grading with variable concordance with histological grading. However we observed Robinson's cytological grading to be superior to Mouriquand's cytological grading and hence can be preferred for routine cytological grading of breast carcinomas.

107. Value of cytokeratin19, Hector Battifora mesothelial1 and galectin3 immunostaining in the diagnosis of thyroid neoplasms.

Rajasekhar Sanuvada, Rukmangadha Nandyala, Amit Kumar Chowhan, Phaneendra Bobbidi, Mutheeswaraiyah Yootla, Narendra Hulikal, Alok Sachan

Journal of Laboratory Physicians 2018;10:200-7.

Background: Diagnosis of types and aggressiveness of thyroid cancers is difficult. The "gold standard" in diagnosis is using routine hematoxylin and eosin staining. Several markers have been investigated for differentiating them among which cytokeratin-19 (CK-19), Hector Battifora mesothelial cell (HBME-1), and galectin-3 are found to be most commonly used. Most studies have evaluated the single expression of markers in various thyroid lesions. **Aims and Objectives:** To know the value of immunohistochemical expression of CK-19, HBME-1, and galectin-3 in diagnosing thyroid neoplasms. To study the expression and compare the results of HBME-1, CK-19, and galectin-3 immunohistochemical markers in histopathologically diagnosed malignant lesions and nonmalignant lesions and demonstrate their usefulness in differentiating them. **Materials and Methods:** A prospective study was carried out on thyroidectomy specimens sent in 10% buffered formalin to Department of Pathology, SVIMS, Tirupati, from May 2013 to August 2014. Sensitivity and specificity for each marker and their combination in diagnosis were calculated. **Results:** Among 120 cases, nonmalignant lesions were 70 (58.33%) and malignant lesions 50 (41.67%). Among nonmalignant lesions, 65 (93%) were adenomatous goiter and 5 (7%) were follicular adenomas. In malignant lesions, 48 (96%) were papillary carcinoma and 1 (2%) each of follicular

carcinoma and anaplastic carcinoma. Among papillary carcinomas, classical were 26 (54.16%) followed by 17 follicular variant (35.41%). Galectin-3 had highest sensitivity of 90% and HBME-1 had highest specificity of 97.14%. **Conclusions:** Panel of HBME-1+ galectin-3 or CK-19, HBME-1, and galectin-3 increase the accuracy of diagnosis in histopathologically difficult cases.

108. Androgen receptor expression in triple negative breast cancer – Study from a tertiary health care centre in South India.

Patnayak R, Jena A, Bhargavi D, Chowhan AK.

Indian J Med Paediatr Oncol 2018;39:28-31.

Background: The treatment of breast cancer is based on a multi-modality approach. Analysis of the hormone receptor has been accepted as a standard procedure, in the routine management of breast cancer patients. Triple negative breast cancers (TNBCs) are those which are negative for expression of all three markers, i.e., estrogen receptor, progesterone receptor (PR), and human epidermal growth factor receptor. High expression of Ki-67, a proliferation index, has been associated with a worse prognosis in TNBC. TN cancers are aggressive in nature as they do not respond to routine targeted therapy. The role of the androgen receptor (AR) in breast carcinomas is important as AR has been suggested as a potential therapeutic target. We did this study to assess AR immunoreactivity in TNBCs and correlate with Ki-67 index. **Materials and Methods:** In this study group, there were 45 cases of TN invasive breast carcinomas. These tumors were analyzed with respect to AR and Ki-67 index. Results: Of 45 TN breast carcinomas analyzed, 42 were infiltrating duct cell carcinoma (IDCC) of not otherwise specified type. There were one medullary and two metaplastic carcinomas. The median age was 46 years. AR was positive in 20% (9/45) of cases. All the AR positive cases were an IDCC (nos). Out of the nine AR positive cases, six showed positivity for Ki-67. The statistical analysis using Pearson's Chi-squared method did not reveal any correlation between AR and Ki-67 index ($P = 0.574$). **Conclusion:** Although our study did not reveal any statistically significant correlation between AR and Ki-67 index, assessment of AR status in TNBC patients is desirable as it may help to develop a targeted therapy in future in these aggressive cancers.

109. Estrogen and progesterone receptor in meningiomas: An immunohistochemical analysis.

Telugu RB, Chowhan AK, Rukmangadha N, Patnayak R, Phaneendra BV, Mowliswara Prasad BC.

J Can Res Ther 2018.

Background: Meningiomas are common slow-growing primary intracranial neoplasms attached to the dura mater and are composed of neoplastic meningotheial cells. Increased incidence of meningiomas in women with an increased tumor growth during pregnancy and a possible association with breast cancer suggested that female sex hormones have been involved in the growth of meningiomas. Antihormonal-targeted therapy would be beneficial in such patients. **Aim:** The aim of this study is to correlate the expression of estrogen receptor (ER) and progesterone receptor (PR) in meningiomas with gender, location, histological subtypes, and grade. **Materials and Methods:** This is a 3½-year prospective and retrospective study of intracranial and intraspinal meningiomas. Clinical details of all the patients were noted from the computerized hospital information system. Immunohistochemistry for ER and PR was performed. Statistical analysis was performed using Chi-square test. **Results:** During the study period, there were 80 Grade I, 18 Grade II, and 2 Grade III meningiomas categorized as per the World Health Organization 2007 classification. The female-to-male ratio was 1.9:1 and the mean age was 47.8 years. ER was expressed in 2% of meningiomas. PR was expressed in 67.5% of Grade I and 66.6% of Grade II and none of Grade III meningiomas. Brain-invasive meningiomas showed 54.5% PR immunopositivity and negative for ER. **Conclusion:** ER and PR were expressed in 2% and 66% of meningiomas, respectively. Statistically significant relationship was not found between the positivity of PR in females and males of Grade I and Grade II/III meningiomas, intracranial and spinal tumors, Grade I and Grade II/III cases, and various histological subtypes of meningi.

110. Clinicopathological and Immunohistochemical Study Of Synovial Sarcomas – A series of 42 cases from single institution.

Deepthi B, Uppin SG, Challa S, Uppin MS, Paul TR, Prayaga AK.

Saudi J Pathol Microbiol 2018;3(7):201-10.

Synovial sarcoma is a translocation associated sarcoma characterized by SS18 – SSX1/2 fusion. It is one of the common adult soft tissue sarcomas predominantly affecting lower extremities. In resource poor settings, exact characterization by molecular methods may not be feasible always. In our study we attempted to study the clinical profile, histomorphology and immunoprofile of cases diagnosed as synovial sarcomas. Forty two cases diagnosed as synovial sarcomas based of presentation, histomorphology and immunopanel were analysed. The median age of presentation was 26 years with male to female ratio of 1.5:1. Majority of the sarcomas were of monophasic type (83%) with predominant hemangiopericytomatous pattern (67%) followed by fascicular pattern (48%). Tumor size was greater in adults older than 20 years when compared to younger age group. Tumors with large areas of calcification were seen with significantly low mitotic index.

111. Analgesic activity of Alpiniagalangaextract in mice models and TNF-alpha receptor computational docking analysis on its leads with pharmacokinetics prediction

Subash KR, Amineni Umamaheshwari, Vijaya Chandra Reddy Konda, Bhanu Prakash G.

Int J Basic Clin Pharmacol 2018;7(3):446-8.

Background: Alpiniagalangais an ayurvedic herb recognized and used across many traditional medicine systems for its analgesic and anti-inflammatory activity. The present study scientifically validates the potential anti nociceptive action of ethanolic extract of Alpiniagalangaby chemical, neurogenic and inflammatory nociception model in mice followed by identification of potential lead compound by computational analysis. **Methods:** The assessment of anti nociceptive action is evaluated by Acetic acid induced abdominal constrictions and Formalin assay on ethonolic extract of Alpiniagalanga, followed by 20 compounds with known chemical structure of Alpiniagalangais subjected to computational analysis to predict possible lead compound with desirable pharmacokinetic and drug like features. **Results:** The percentage inhibition rate of Aspirin (100mg/kg) was 82.15% compared to Alpiniagalanga(100mg/kg) 19.63%, (200mg/kg) 33.02% and (400mg/kg) 57.13% by acetic acid induced abdominal constrictions antinociceptive mice model. Alpiniagalanga400mg/kg (71.70%) had comparable percentage inhibition of nociception to standard group

indomethacin (88.71%) in formalin induced nociceptive mice model. Among 20 compounds screened for pharmacokinetic and drug like features, Galanal B had the binding free energy -56.664 when compared to control compound 2AZ5-56.000. **Conclusions:** The Alpiniagalangaextract had significant anti nociceptive activity and followed by computational analysis of 20 compounds with known chemical structure predicted Galanal B as lead compound with best insilico pharmacokinetic and drug like features.

112. Student's perspective about pharmacogenomic applications and knowledge in pharmacovigilance domain.

G. Francis Britto K. R. Subash.

Int J Basic Clin Pharmacol 2018;7(1):52-54

Background: Pharmacogenomics has is presence now in all major pharmacology text books parallel with another important chapter pharmacovigilance. Pharmacogenomics apart from therapeutic application it can greatly influence standard treatment protocols with prevention of adverse drug reaction. Since the future will be physicians practicing personalized medicine, this study was planned to assess the second year M.B.B.S Students knowledge and their perspective about pharmacogenomic application.

Methods: A questionnaire to assess the knowledge about pharmacogenomics and current status of its application is formulated with yes or no, true or false option. The study was conducted on 120 M.B.B.S Students who passed out Pharmacology university exams. The questionnaires answered voluntarily were collected and the data was analysed and with results calculated in percentage.

Results: 80% M.B.B.S students had sound knowledge about pharmacogenomics. 100% M.B.B.S student's doctors were well aware about pharmacogenomics. 13.0% of students were not aware but wanted to know about it, while 7.25% of students were neither aware nor interested about pharmacogenomics. **Conclusions:** Most of the doctors were aware about the pharmacogenomics theoretically and they need to be updated about its clinical application in their practice by seminars, presentation and workshops.

113. Analgesic activity of Alpiniagalangaextract in mice models and TNF-alpha receptor computational docking analysis on its leads with pharmacokinetics prediction.

Subash KR, Amineni Umamaheshwari, Vijaya Chandra Reddy Konda, Bhanu Prakash G.

Int J Basic Clin Pharmacol 2018;7(3):446-8.

Background: Alpiniagalangais an ayurvedic herb recognized and used across many traditional medicine systems for its analgesic and anti-inflammatory activity. The present study scientifically validates the potential anti nociceptive action of ethanolic extract of Alpiniagalangaby chemical, neurogenic and inflammatory nociception model in mice followed by identification of potential lead compound by computational analysis. **Methods:** The assessment of anti nociceptive action is evaluated by Acetic acid induced abdominal constrictions and Formalin assay on ethonolic extract of Alpiniagalanga, followed by 20 compounds with known chemical structure of Alpiniagalangais subjected to computational analysis to predict possible lead compound with desirable pharmacokinetic and drug like features. **Results:** The percentage inhibition rate of Aspirin (100mg/kg) was 82.15% compared to Alpiniagalanga(100mg/kg) 19.63%, (200mg/kg) 33.02% and (400mg/kg) 57.13% by acetic acid induced abdominal constrictions antinociceptive mice model. Alpiniagalanga400mg/kg (71.70%) had comparable percentage inhibition of nociception to standard group indomethacin (88.71%) in formalin induced nociceptive mice model. Among 20 compounds screened for pharmacokinetic and drug like features, Galanal B had the binding free energy -56.664 when compared to control compound 2AZ5-56.000. **Conclusions:** The Alpiniagalangaextract had significant anti nociceptive activity and followed by computational analysis of 20 compounds with known chemical structure predicted Galanal B as lead compound with best insilico pharmacokinetic and drug like features.

114. A Cross section study on effect of Distress due to disease on medication adherence in patient with Type 2 Diabetes mellitus in a tertiary care hospital.

Sivanandh.B, Suresh V, Sai Lahar, ShaliniRar, Srujana J, Haindavi L.

Int J Contemporary Medical Res 2018;5(6):F1-F4.

Introduction: Diabetes, a common lifestyle disorder, needs strict adherence to medication and self care activities, to maintain good glycemic control. However patients may become distressed due to the disease and its

complications, which in turn may affect their motivation. It would be thus worthwhile to assess the impact of diabetes distress on medication adherence. **Material and methods:** This study was conducted in the Department of Endocrinology at the Sri Venkateswara Institute of Medical Sciences, Tirupati, a tertiary care teaching hospital. Patients with Type 2 Diabetes Mellitus (T2DM) were assessed for presence of distress due to diabetes using Diabetes Distress Scale(DDS) and medication adherence using Morisky Adherence Questionnaire (MAQ). **Results:** Of the 101 patients recruited, only 5 (4.95%) had a total DDS score ≥ 3 consistent with the presence of distress due to diabetes. However on exploring the various components of the DDS score 41(40.59%) had emotional burden and 15(14.85%) had regimen related distress. Of those 5 patients with diabetes distress, none had good adherence to medication while 64.5% of the remaining 96 patients had good adherence ($p=0.007$). **Conclusion:** Diabetes distress (though present in only a minority of patients), is associated with poor adherence to medication regime.

115. A Study to assess the Prevalence of Premenstrual syndrome and premenstrual Dysphoric Disorder

Sivanandh B, Haripriya Sadam, Harshita K, Divya Nageswari, Harshitha Reddy, Gouri Dhanekula.

Int J Contemporary Medical Res 2018;5(11):K1-K5

Background: Premenstrual syndrome (PMS) is a disorder affecting large number of population in terms of their physical and psychological well-being. A large number of college drop outs are because of PMS. **Aims and Objectives:** The objective of this study was to assess the prevalence of presence of different symptoms of PMS and premenstrual dysphoric disorder (PMDD) among medical college girls and its effect on their social and academic life. **Materials and Methods:** This study was conducted in a medical college in 1st, 2nd, and 3rd year MBBS student girls by providing them a questionnaire regarding the presence of different symptoms of PMS and PMDD and its impact on their academic and social performance. **Results:** The prevalence of PMS was reported to be 65% in the present study. The most common somatic symptom was body pain (52%) and the most common affective symptom was irritability (50%). In spite of this, only 12% of individuals with PMS become absent in class and 32% avoid joining social functions. The

prevalence of PMDD among the study population was 12%. **Conclusion:** It is concluded from the present study that PMS and PMDD are very common problems among medical students affecting their educational and social activities.

116. A Review on Association of Air Pollution and Biomass Fumes on Respiratory System.

Pravallika P, Sharvani N, Nandini Ch, Ramesh babu M.

J Clin Diagnos Res 2018;12(10):CE01-CE04.

World health organization reported that indoor air pollution is 10th avoidable risk factors. People believe that air pollution is an outside urban phenomenon, but some of the uppermost concentration occurs in the opposite situation i.e., countryside and in the house. Such levels are due to the high proportion of countryside/less developed countries population relies on unprocessed Biomass fuels (like wood, crop residues, dung) which have high pollutant emission factors, in simple small scale burning devices such as household cooking. Girls start cooking at very early age and spend minimum 4-6 hours daily in kitchen for almost 30-40 years which is equivalent to 60,000 hours of exposure. Indoor air pollution occurs primarily by usage of biomass fuels which attributes 1.5-2 million deaths/year.

117. Effects of tobacco smoking on innate immunity- A study based on neutrophil phagocytic index.

Tanu Thakur, Arpana Bhide, Abhijit Chaudhury, Asha Thota, Latheef Kasala, Narendra Hulikal

Indian J Physiol Pharmacol 2018;62(2):182-6.

The present study was undertaken to find out the effects of tobacco smoking on innate immune mechanism of the body. A total of 60 adult consenting men in the age group of 30 to 50 years were recruited of which 30 were chronic smokers and the rest were non smoking controls. 5ml of venous blood was drawn from each of the subjects and the following parameters were assessed: phagocytic index of neutrophils (which is an index of neutrophil function and is defined as number of neutrophils positive for ingested microbes per 100 neutrophils), total leucocyte count (TLC), differential count of neutrophils. The values from smokers were compared with those from non-smokers. There was a

statistically significant decrease in the phagocytic index among smokers when compared to non-smokers (9.44 ± 6.62 vs 28.16 ± 7.31 ; $p < 0.0011$). An increase in TLC and neutrophil percentage was found in smokers which were not statistically significant ($p = 0.37$ and $p = 0.12$ respectively). Hence it can be concluded that tobacco smoking adversely affects the capacity of neutrophils to ingest microbes and so has suppressive effect on the innate immune mechanism.

118. Effects of tobacco smoking on haematological parameters: Haemoglobin and white blood cells.

Bhide A, Narendra H, Thota A.

Int Physiol 2018;6(2):85-9.

Background: It is very well established that tobacco smoking is one of the risk factors for various diseases like stroke, cardiovascular diseases, chronic obstructive pulmonary disease (COPD) and various types of cancers. Alterations in haematological parameters may be one of the causes for these diseases. **Aim:** The present study was undertaken to evaluate the relationship between tobacco smoking and haematological parameters like haemoglobin levels and levels of white blood cells. **Materials and methods:** The study recruited a total of 60 adult men of whom 30 were chronic smokers and the other 30 were non-smokers. Blood sample drawn from each of these subjects were assessed for the following parameters: Haemoglobin (Hb) levels, total leucocyte count (TLC), differential count (DC) of neutrophils, eosinophils, lymphocytes and monocytes. The smoking status was confirmed by measuring serum cotinine levels of the subjects. **Statistical analysis:** The values were compared between smokers and non-smokers using unpaired student's t test. **Results:** There was a statistically significant increase in Hb levels (15.42 ± 1.24 vs 14.40 ± 1.10), DC of eosinophils (6.781 ± 5.02 vs 4.47 ± 3.64) and absolute eosinophil count (519.06 ± 217.25 vs 346.56 ± 104.42) among smokers when compared to non-smokers. Also increase in TLC, DC of neutrophils and decrease in DC of lymphocytes and monocytes were found which were statistically not significant. **Conclusion:** Hence it can be concluded that tobacco smoking leads to alterations in haematological parameters and may be responsible for development of certain diseases and smoking cessation programmes should be integrated with basic health care system.

119. Effect of modified slow breathing exercise on perceived stress and basal cardiovascular parameters.

Sunil Naik G, Gaur GS, Pal GK,

Int J Yoga 2018;11(1):53-8.

Context: Different types of breathing exercises have varied effects on cardiovascular parameters and the stress levels in an individual. Aim: The aim of this study was to assess the effect of a modified form of isolated alternate nostril, slow breathing exercise on perceived stress, and cardiovascular parameters in young, male volunteers.

Settings and Design: This was a randomized control study carried out at Advanced Centre for Yoga Therapy Education and Research, Department of Physiology, Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry in 2014. **Subjects and**

Methods: Hundred healthy male volunteers were randomized into control group, n = 50 and slow breathing group (study), n = 50. Slow breathing exercise training was given to study group for 30 min a day, 5 times/week for 12 weeks, under the supervision of certified yoga trainers. Perceived Stress Scale (PSS) using Cohen's questionnaire, anthropometric parameters such as body mass index (BMI), waist-hip ratio (WHR), and cardiovascular parameters such as heart rate (HR), systolic blood pressure (SBP), and diastolic blood pressure (DBP) were recorded at baseline and after 12 weeks. The control group did not receive any intervention. Slow breathing exercise training was provided for the study group. During the study period, one volunteer opted out of the study group due to personal reasons. **Results:** HR, SBP, DBP, and PSS decreased significantly ($P < 0.05$) in the study group following 12 weeks slow breathing exercise training, while no significant change ($P > 0.05$) was observed in BMI and WHR. There was no significant change in the control group. **Conclusion:** Twelve weeks of modified slow breathing exercise reduced perceived stress and improved the cardiovascular parameters. The above results indicate that our modified slow breathing exercise is effective in reducing stress and improving the cardiovascular parameters.

120. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral squamous cell carcinoma.

Sriharsha Haranadha, Rukmangadha Nandyala, Vijayalakshmi Devi Bodagala Narendra Hulikal.

Oral Oncology 2018;83:115-9.

Objectives: The present study was designed to know and analyze the prevalence of pathological involvement of level IIB and V neck nodes in operable oral cavity squamous cell carcinomas. **Materials and methods:** All treatment naïve, willing biopsy proven patients of age group 18–70/ years with oral cavity squamous cell carcinomas undergoing surgery from May 2015 to December 2016 in a single tertiary care Institute were prospectively analyzed for level IIB and V involvement. **Results:** A total of 199 patients met the selection criteria of the study. Most common site was buccal mucosa, majority were cT2 lesions and 90% underwent Modified neck dissection. 63% of patients had pN0 disease. The rate of involvement of level II b and V nodes was 3% and was associated with higher T size, disease burden in proximal basin and lymphovascular invasion. There was no skip metastasis to level IV. Only one patient had skip metastasis to levels V and IIB each. **Conclusion:** To conclude our data strongly supports omission of level IIB and level V nodal dissection routinely in patients with cT1 and T2 buccal cancers. However, a randomized controlled study to evaluate the morbidity as well as recurrence pattern between the selective and super-selective approach is warranted.

121. Mucinous adenocarcinoma of stomach with multiple foci of calcification: Addition of a case and a review of literature.

Patnayak R, Vijaylaxmi B, Narendra H, Jena A, Reddy GV.

J NTR Univ Health Sci 2018;7:207-9.

In gastric carcinoma, tissue calcification is rarely noted. Most of the adenocarcinoma cases with calcification described in literature are gastric mucinous adenocarcinoma. We present one such case of a 33-year-old female with a brief review of literature. The multiple foci of punctate calcification were visible in images, gross specimen, and also on histopathological examination. This is an addition of a case to the existing literature.

122. A rare case of Hydatidoptysis

Arun Raja V, Sindhu G, Sreevidya B, Rashmi Patnayak, Vishnu Priya Bukya, Settipalli S, Kadiyala S, Alladi Mohan.

Chest Dis Allied Sci 2018;60:83-5.

Hydatid disease, caused by *Echinococcus granulosus* usually affects liver. Pulmonary hydatidosis deserved special mention because isolated involvement of lungs is rare and patients with isolated pulmonary hydatidosis often remain asymptomatic. We report the case of a 24-year old male who presented with vomiting, pain in the epigastric region, left upper abdomen and chest that was followed by high grade fever of one day duration following a binge of beer drinking. Chest radiograph and computed tomography of chest revealed well defined cavitary lesion with wall calcification and air fluid level in the lingular segment of left lung with left minimal pleural effusion. Sputum cytopathological examination revealed echinococcus hooklets. The patient was diagnosed to have ruptured hydatid cyst in lung. The present case highlights the importance of sputum cytopathological examination in confirming the diagnosis in patients with clinically suspected ruptured pulmonary hydatid cyst. This case also brings to light the uncommon occurrence of pulmonary aspergillosis along with hydatid disease of lung. This association in an immunocompetent individual has rarely been reported.

123. Accuracy of preoperative ultrasonography in measuring tumor thickness and predicting the incidence of cervical lymph node metastasis in oral cancer.

Babu N H, Devi B V, Kadiyala S, Lakshmi A Y, Narendra H, Rukmangadha N

J NTR Univ Health Sci 2018;7:241-4

Context: A major determinant of the prognosis of oral cancer is the risk of cervical lymph node metastasis. Several factors have been assessed preoperatively to predict the risk of lymph node metastasis; among them, tumor thickness is proved to be a significant predictor of lymph node metastasis. Ultrasonography (US) is a noninvasive, rapid, easily repeatable, and economical examination to measure tumor thickness. This study is undertaken for evaluating the usefulness of US to predict neck metastasis. **Aim:** To measure tumor thickness in oral cancer with preoperative US and to predict occult cervical lymph node metastasis. **Materials and Methods:** In all, 43 patients with biopsy-proven squamous cell carcinoma of tongue/buccal mucosa underwent preoperative US to measure tumor thickness. **Statistical Analysis:** Tumor thickness from

histopathology and US was analyzed using Pearson's product moment correlation. Fisher's exact test was used to assess the relationship between tumor thickness and the risk of cervical lymph node metastasis. **Results:** There was a significant correlation between preoperative US and histological measures of tumor thickness (correlation coefficient 0.961, $P < 0.001$). The overall rate of lymph node metastasis was 25.5% (11/43). In the group with tumors < 5 mm in thickness, the neck metastatic rate was 0% (0/5), when compared with 29% (11/38) in the group ≥ 5 mm. There is difference between the two groups, but it was not statistically significant, $P > 0.05$. **Conclusion:** Preoperative US is an accurate measure of maximal tumor thickness. Tumor thickness ≥ 5 mm can be considered as a risk factor for cervical lymph nodal metastasis.

124. Dosimetric Comparison of deep inspiration breath hold with active breathing coordinator versus free breathing in carcinoma left breast patients receiving adjuvant Radiotherapy.

Ravikrishna M, Jilla S, Subramanian B.V, Das P, Raghava S.

Int J Sci Res 2018;7(4):37-9.

Total of 31 carcinoma left breast patients were included in the study. All underwent CT simulation in both Deep inspiration breath hold (DIBH) with active Breathing Coordinator (ABC) and Free breathing (FB) technique. Contouring and 3D-CRT planning was done on both the scans. Dose to PTV was 50Gy in 25 fractions @ 2Gy per fraction, 5 fractions per week. Dosimetric parameters of organs at risk and PTV coverages were compared. Volume of heart receiving 30Gy (V30) and Dmean, volume of left lung receiving 20Gy, 10Gy (V20, V10) and Dmean, combined lung volume receiving 20Gy, 10Gy, 5Gy (V20, V10, V5) has shown statistically significant dose reduction in DIBH with ABC technique compared to FB technique without compromising PTV coverage. This study concluded that heart and lung doses can significantly be reduced without compromising PTV coverage in left-sided breast cancer patients using DIBH with ABC technique.

125. Impact of various Prognostic factors on overall survival, Disease free survival and patterns of failure in carcinoma cervix – A Tertiary care centre experience from South India.

Archana Prathipati, Swapna jilla, B.V.Subramanian, Ravikrishna Madala.

Indian J Gynec Onco 2018;16:11.

Purpose As per GLOBACon 2012, the incidence of cervical cancer is 22.9% with a mortality rate of 54.9% (<http://globocan.iarc.fr>, 2010). As the disease affects relatively younger population, high fatality rate impacts family and society in a disastrous way. Cervical carcinoma has a relatively poor prognosis due to advanced stage at presentation. We retrospectively analysed the treated cases of carcinoma cervix to know the impact of various prognostic factors on survival and patterns of failure in our hospital. **Methods** All cases treated from 2010 to 2015 (total 920 pts) who completed curative treatment in a tertiary care hospital were analysed to evaluate overall survival, disease-free survival, factors impacting survival, patterns of failure, factors affecting failure, mortality, and treatment-related toxicity. OS and DFS were calculated with Kaplan–Meier method, and log-rank test was used to identify the difference between groups. Failure factors were correlated with logistic regression, and toxicity was expressed in percentage. **Results** Univariate and multivariate analyses were performed. Pre treatment staging, lymphadenopathy, imaging used for diagnosis, hemoglobin levels extent of vagina involved and during treatment usage of concurrent chemotherapy, dose of radiation used, development of neutropenia and after completion of treatment type of response had shown significant impact on DFS and OS. The presence of lymphadenopathy, increasing involvement of vagina, low pretreatment haemoglobin levels, and not receiving chemotherapy had increased risk of failure, while pretreatment evaluation with CT or MRI decreased the risk of failure. Para-aortic nodes (28%) were the commonest among distant failures. Acute bowel toxicity and radiation proctitis were commonly seen. **Conclusions** Presentation in locally advanced stage decreases survival; hence, detection in early stages by population-based screening programmes is needed. Pretreatment imaging with MRI/CT improves staging and thereby improves survival. There is no impact of 2D versus 3D CRT planning; hence, in high-case-load centres, 2D planning may be used. Follow-up at regular intervals with imaging may aid in earlier identification of failures with better salvage and improved survival.

126. A retrospective study of clinical profile and prognostic outcomes of nasopharyngeal carcinoma in a tertiary cancer care centre in south India.

Hemanth M, Das P, Subramanian BV.

Int J Sci Res 2018;7(1):398-400.

Introduction: Nasopharyngeal carcinoma (NPC) is a rare head and neck malignancy in most parts of the world that varies with races and geographical location. The reported incidence of NPC in Indian subcontinent is low compared to other parts of the world except in some ethnic groups in north-eastern region. Most of the patients with NPC present in locally advanced stage; the prognosis as reported in literature being poor. So we conducted this retrospective study to analyze the clinical profile and prognostic outcome to various treatment approaches in NPC in our tertiary care center. **Material and methods:** Patients with histopathologically proven nasopharyngeal carcinoma who attended SVIMS University cancer center from January 2010 to June 2015 were included in the study. All pts were planned to receive EBRT with either conventional 2D technique or 3D-CRT or IMRT and concurrent chemotherapy with cisplatin and adjuvant chemotherapy with 5-FU and cisplatin. Response assessment was started after 2 months post radiotherapy by clinical examination, endoscopy and imaging as appropriate. **Results:** A total of 28 patients reported to radiotherapy OPD presenting with nasopharyngeal mass or neck node were taken into the study. 25 patients were found to have nasopharyngeal carcinoma and 3 patients have lymphoma. Median age of presentation was 49 years (12 – 69 years). Male to female ratio was 1:1.6. Out of 25 patients of NPC, three patients presented with metastatic disease and 22 patients were treated with radical radiotherapy. The two years overall survival (OS) was 36% (median survival time was 14.25 months). **Conclusion:** Most of the patients in our study presented with locally advanced disease whose prognosis is poor in terms of OS as per the literature review. However the two year OS in our study appeared to be more dismal because of poor performance status of patients and relatively small incidence of NPC at our center. IMRT appeared to be the better modality of radiotherapy than conventional 2D and 3D-CRT

127. Cisplatin Induced SIADH in Patients Receiving Concurrent Chemoradiation Therapy: A Rare Clinical Observation.

Praneetha C, Subramanian BV, Deepthi GV, Basha PM, Das P.

J Clin Diagn Res 2018; 12(11): XD01-XD02.

The Syndrome of Inappropriate Antidiuretic Hormone Secretion (SIADH) can be attributed to various causes such as CNS disorders like head trauma, stroke, pulmonary lesions like TB, bacterial pneumonia, as paraneoplastic syndromes in malignancies, drugs like antidepressants, antineoplastics like cyclophosphamide, vincristine, vinblastine, bortezomib, carboplatin and others. Cisplatin induced SIADH is very uncommon and hence, scarcely reported in literature. Here, we report two cases of dilutional hyponatremia secondary to SIADH that developed in two patients receiving radiotherapy with concomitant cisplatin.

128. A prospective randomised study on comparison of weekly versus 3 weekly cisplatin chemotherapy as an adjunct to radiotherapy in treatment of carcinoma of the uterine cervix.

Anusha Konakalla V L, Das P, Swapna J, Jena A, Radhika K, Rao B S, Kuna J, Jagannathrao Naidu K V, Subramanian B V

J Clin Sci Res 2018;7:12-8

Background: The present study attempted to compare concurrent weekly and three weekly cisplatin with radiotherapy in locally advanced cervical cancer.

Methods: This prospective randomised study was conducted in 40 patients with locally advanced cervical cancer randomised into 2 arms. Arm A patients received external beam Radiotherapy (EBRT) to pelvis with concurrent weekly cisplatin at dose of 40 mg/m² and arm B patients received EBRT to pelvis with concurrent cisplatin at dose of 75 mg/m² three weekly followed by brachytherapy. Acute haematological, gastrointestinal (GI) and genitourinary toxicities and response rates were assessed. **Results:** All the patient and disease characters were comparable in both arms. There was no significant difference in both arms in terms of upper GI toxicity (75% Vs 80%; P = 0.208), haematological (25% Vs 10%; P = 0.195) and nephrotoxicity (10% Vs 25%; P = 0.212). Compliance to chemoradiation was better in three weekly cisplatin arm but not statistically significant. After a median follow up of 12 months, tumor response rates in both arms were almost similar (85% Vs 90%; P = 0.128).

Conclusions: Our observations suggest that either

concurrent weekly or three weekly cisplatin chemoradiation is equally effective in treatment of cervical cancer. However randomised trials with larger sample sizes and longer duration of follow up are required.

129. Drainage procedures for small duct disease in chronic pancreatitis: a feasible option.

Vutukuru VR, Raghavendra RRV, Mathai V, Settupalli S.

Int Surg J 2018;5:2322-6.

Background: Surgery is the treatment of choice for intractable pain in chronic pancreatitis (CP). Drainage procedures are indicated in large duct disease whereas resectional procedures for small duct disease. Aim of this study was to assess prospectively the feasibility of drainage procedures in patients with CP with small duct disease.

Methods: All consecutive patients with CP with small duct disease were included in the study. All patients underwent surgical intervention (lateral pancreaticojejunostomy with head coring). Primary outcome measures were pain relief and morbidity. These outcomes were compared with patients with CP with large duct disease. **Results:** 114 patients with CP underwent surgery. Of these 24(21.05%) patients had CP with small duct disease and 90(78.95%) patients had large duct disease. Demographic profile of the two groups was comparable. Mean pain scores were similar (47.75±6.85 versus 51.38±7.40; p = 0.14). Patients with large duct disease had higher incidence of diabetes mellitus (44.44% versus 8.33%; p = 0.02), but exocrine insufficiency was similar. All patients had calcifications in both the groups. Mean intraductal pressures measured intraoperatively were significantly high in patients with large duct disease (22.99±5.65 versus 18.33±3.52; p = 0.001). Frequency of complications at presentation were similar in both the groups (p = 0.29). Surgery relieved pain in 21/24 (87.5%) patients with small duct disease and 82/90 (91.11%) patients with large duct disease. Mean post-operative pain scores in small duct disease group (7.50±9.61 versus 51.38±7.40; p<0.01) and large duct disease group (5.14±7.88 versus 47.75±6.85; p<0.001) were significantly reduced when compared to preoperative pain scores. Incidence of postoperative complications was similar in both groups (16.66% versus 14.44%). **Conclusions:** Drainage procedures (lateral pancreaticojejunostomy with head coring) is a feasible for CP patients with small duct disease with good pain relief.

130. Pancreatic hydatid masquerading as cystic neoplasm

Venkatarami Reddy Vutukuru, Sivarama Krishna Gavini, Chandramaliteeswaran C. Sarala Settipalli, Rukmangada N.

J Surg Operative Care 2018;3(1):1-3.

Hydatid disease of pancreas is a rare condition, with an incidence of less than 1%. Establishing diagnosis may be difficult because clinical and imaging findings are similar to other more commonly encountered cystic lesions of pancreas. We present a case of isolated Hydatid cyst in the tail of pancreas which masquerading as mucinous cystic neoplasm of pancreas.

131. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral squamous cell carcinoma.

Haranadh S, Nandyal R, Bodagala V, Hulikal N.

Oral Oncology 2018;83:115-9.

Objectives: The present study was designed to know and analyze the prevalence of pathological involvement of level IIB and V neck nodes in operable oral cavity squamous cell carcinomas. **Materials and methods:** All treatment naïve, willing biopsy proven patients of age group 18–70/ years with oral cavity squamous cell carcinomas undergoing surgery from May 2015 to December 2016 in a single tertiary care Institute were prospectively analyzed for level IIB and V involvement. **Results:** A total of 199 patients met the selection criteria of the study. Most common site was buccal mucosa, majority were cT2 lesions and 90% underwent Modified neck dissection. 63% of patients had pN0 disease. The rate of involvement of level II b and V nodes was 3% and was associated with higher T size, disease burden in proximal basin and lymphovascular invasion. There was no skip metastasis to level IV. Only one patient had skip metastasis to levels V and IIB each. **Conclusion:** To conclude our data strongly supports omission of level IIB and level V nodal dissection routinely in patients with cT1 and T2 buccal cancers. However, a randomized controlled study to evaluate the morbidity as well as recurrence pattern between the selective and super-selective approach is warranted.

132. Whole body 18-F-FDG PET-CT for staging locally advanced breast cancer: A prospective study from a tertiary cancer centre in South India.

Gajjala SR, Narendra H, Kottu R, Kadiyala S, Kalawat T.

Indian J Med Res 2018;147:256-62.

Background & Objectives: Locally advanced breast cancer (LABC) is associated with substantial risk of occult metastases. The patients with LABC have high rate of systemic relapse, suggesting inadequacy of the current conventional staging in detecting the occult metastatic spread. 18F-fluorodeoxyglucose (FDG) positron emission tomography-computed tomography (PET/CT) is a new modality in the staging of breast cancer patients. Hence, this study was conducted to evaluate the role of 18F-FDG PET/CT in initial staging of LABC and to compare it with conventional methods. **Methods:** This prospective study included biopsy-confirmed female patients diagnosed with LABC meeting the selection criteria and attending surgical, medical and radiation oncology departments of a tertiary care centre in south India, from April 2013 to December 2014. Conventional workup included serum chemistry, mammogram, bone scan, contrast-enhanced CT (CECT) chest and upper abdomen and ultrasound abdomen and pelvis. All patients following conventional workup underwent 18F-FDG PET/CT. **RESULTS:** In this study, 61 women with LABC underwent both conventional workup and 18F-FDG PET/CT. The 18F-FDG PET/CT, in comparison to conventional workup, revealed unsuspected N3 nodal disease in 11 more patients, revealed distant metastasis in seven more patients and also detected extra sites of metastasis in five patients. The sensitivity, specificity, positive predictive value, negative predictive value and accuracy of PET/CT to detect distant metastasis were 95, 98, 95, 98 and 97 per cent, respectively, whereas the sensitivity, specificity, positive predictive value, negative predictive value and accuracy of conventional imaging to detect distant metastasis were 65, 93, 81, 84 and 84 per cent, respectively. **Interpretation & Conclusions:** The 18F-FDG PET/CT was found to be more accurate than conventional imaging for staging and modified stage and treatment in 30 and 38 per cent of patients, respectively. It was particularly useful in detecting occult distant metastasis and N3 nodal disease with an added advantage of examining whole body in single session. However, CECT chest was superior over 18F-FDG PET/CT for detecting pulmonary metastasis.

133. Nerve and vein preserving neck dissections for oral cancers: a prospective evaluation of spinal accessory nerve function and internal jugular vein patency following treatment.

Reddy GRK, Hulikal N, Lakshmi AY, Vengamma B.

Acta Otorhinolaryngol Ital 2018;38(1):7-12.

Nerve and vein preserving modification of the radical neck dissection is commonly used in the management of oral squamous cell cancers. There is limited literature addressing nerve function and vein patency following treatment. We prospectively analysed 65 patients with nerve conduction study using surface electromyography at baseline, 1 month and 6 months post-surgery and colour Doppler of the internal jugular vein at baseline and 1 month post-surgery. We also studied functional outcomes of nerve sparing with arm abduction test and Neck Dissection Quality of Life questionnaire. There was a statistically significant increase in mean latency of motor action potential and decrease in the mean amplitude of the motor action potential following surgery, suggesting nerve dysfunction. Following surgery, there was a significant decrease in the diameter of the vein as well as an increase in the velocity of blood flow; there was partial thrombus in 5% of individuals. In conclusion, even though nerve dysfunction compromised shoulder abduction, vein dysfunction rarely resulted in any significant clinical impact.

134. Familial Swyer syndrome: a rare genetic entity.

Banoth M, Naru RR, Inamdar MB, Chowhan AK.

Gynecol Endocrinol 2018;34(5):389-93

Swyer syndrome is a pure gonadal dysgenesis associated with a 46 XY karyotype and primary amenorrhea in a phenotypic female. Individuals in this syndrome are at an increased risk for development of gonadal malignancies. Swyer syndrome (gonadal dysgenesis) running in families is rare event and few such scenarios were reported in the literature. Here we are presenting this rare entity involving three affected siblings born to a non-consanguineous couple. Index case - A 23-year-old female with primary amenorrhea is presented with a mass per abdomen. The clinical findings and laboratory investigations revealed hypergonadotropic hypogonadism picture and, imaging revealed a left ovarian tumor. Primary surgical debulking of ovarian cancer was done, histopathology of which revealed a dysgerminoma FIGO stage IIIC. The family

history of the patient revealed a similar pattern as the elder sister had primary amenorrhea and had succumbed to ovarian cancer and the younger sister also has primary amenorrhea. Karyotype of all the three patients revealed a male genotype with a female phenotype. The early diagnosis of the patients with Swyer syndrome is very important because of the increased risk for the development of malignancy. This is a rare event to have two sisters with ovarian cancers in three siblings affected with familial gonadal dysgenesis syndrome each of them having a different genotype and first of its kind to ever be reported in literature.

135. Eccrine porocarcinoma of scalp: an unusual malignancy of sweat glands.

Inamdar B, Naik R, Naresh Kumar V, Chouhan AK, Reddy PK, Hulikal N.

Clin Surg 2018;3:1865.

Eccrine Porocarcinoma (EPC) is a very rare malignant sweat gland tumor, first described by Pinkus and Mehregan in 1963 as Epidermotropic eccrine carcinoma. The term “eccrine porocarcinoma” was later coined by Mishima and Morikoin 1969. It is considered as the malignant counterpart of eccrine poroma, a benign tumor of the intradermal sweat gland. Porocarcinoma is commonly found in elderly, usually in the lower extremities. The scalp is a rare site of affliction. The tumor may present as nodular, infiltrative, ulcerated or polypoid growth. Surgical resection is the treatment of choice. We report a case of EPC of scalp arising from a pigmented eccrine poroma in a 66-year-old male treated with surgery

136. Association of Coronary Artery Diseases with ABO and Lewis Blood Group Phenotypes at a Tertiary Care Teaching Hospital in Southern India.

Anitha M, Arun R, Rajashekar D, Jothibai S.

J Clin Diag Res 2018;12:17-21.

Introduction: Since the discovery of blood group systems, involvement of ABO system to coronary artery disease was suggested. Epidemiological data on the association of ABO and Lewis blood group with coronary artery disease from Southern India was not available. Aim: To assess the pattern and association of ABO and Lewis blood group phenotypes in confirmed Coronary Artery Disease (CAD) patients attending the tertiary care hospital in Southern

India. **Materials and Methods:** The present study was a single centric case control analytic study where 187 clinically confirmed CAD cases were compared with age and gender matched 187 healthy controls. ABO grouping and Lewis antigen typing were determined to know the association with CAD and its risk factors. Statistical analysis was done using SPSS version 20.0 and by computing categorical variables in percentage. **Results:** Blood group O was the most common (41.2%) blood group in the controls followed by blood group B (33.2%), A (21.9%), AB (3.7%). The prevalence of O group in the CAD patients was almost similar to controls, but comparatively, the frequency of Non O groups showed a mild increase in the CAD patients; the frequency of AB groups in these patients was comparatively less than the controls. The prevalence of Le (a-b-) phenotype has been observed to be 32.6%. We observed that 94.1% of cases were associated with risk factors like 'Smoking', 'Hypertension', 'Diabetes mellitus', 'Dyslipidemia'. **Conclusion:** The present study failed to show a significant association of ABO blood group with CAD but showed a significant association of ABO group with risk factors like hypertension, dyslipidemia and smoking. It also showed a significant association of Le (a-b-) phenotype with CAD and with risk factors like diabetes mellitus, dyslipidemia and smoking.

137. A study to assess the ABO blood group antigen phenotype and gene distribution among blood donors at a tertiary care research institute in South India.

Chaitanya Kumar IS, Suresh B, Arun R, Sreedhar Babu KV, Sri Ranjitha TVN.

Int J Sci Res.

ABO blood group antigens form the basis of current blood transfusion practice and their prevalence among blood donors can provide a glimpse into the population distribution of ABO genes and hence this study was undertaken to assess the ABO antigen phenotype prevalence and ABO gene prevalence among blood donors at a tertiary care teaching research Institute in South India. A total of 49,279 donors have been checked for their ABO blood group. The O, A, B, AB blood group prevalence were 42, 20, 32, 6 percent respectively while the O, A, B gene frequencies were 65, 14, 21 percent respectively.

138. An audit of Fresh Frozen Plasma usage in a tertiary care Teaching Hospital in Southern India: a cross section study.

Suresh B, Chaitanya Kumar IS, Arun R, Sreedhar Babu KV.

Int J Sci Res (accepted for publication)

Background: Fresh Frozen Plasma has been available since 1941. In this study we assessed the extent of usage of FFP and evaluated the appropriateness of usage of FFP and the outcome of patients treated with FFP. **Materials and Methods:** A cross-sectional study has been undertaken to evaluate the usage of FFP; in a tertiary care hospital for a period of one year. The FFP transfusions were evaluated according to college of American pathologists guidelines-1994' **Results:** A total of 1746 FFP units have been transfused to 408 patients. The maximum numbers of FFP units, 67.8% were issued to surgical specialties and 32.2% to medical specialties. A total of 964 (55.2%) units were considered inappropriate. **Conclusion:** We observed higher rate of inappropriate usage of FFP in our center. We suggest that continual education at regular intervals may help to prevent the inappropriate usage of FFP practices.

139. Do resident doctors donate blood?- An evaluation of voluntary blood donation among the resident doctors in a tertiary care teaching institute of a developing country, India.

Praveen MD, Arun R, Sreedhar Babu KV, Jothi Bai DS.

Int J Sci Res (Accepted for publication).

Introduction: The major shortage of blood and blood components in developing countries is because of the increase in demand with fewer voluntary blood donations. Thus, identifying motivational factors affecting blood donation and recruitment of safe and low risk donors is necessary. Though a study on the knowledge, attitude and the practice of donors may prove to be useful in the successful implementation of the blood donation programme, a study on resident doctors will have an added advantage of motivating the patient's attenders also for blood donation. For this reason, our aim was to find the level of the knowledge, attitude and practice of blood donation among resident doctors in a tertiary care teaching hospital. **Material and Methods:** A structured questionnaire was given to 104 resident doctors to assess

their knowledge, attitude and practice with respect to blood donations. The statistical analyses were done by using the SPSS software. The associations between the demographic factors were analysed by using the Chi square test.

Results: Among the 104 resident doctors, 59% were males and 41% were female residents. About 46% of the resident doctors expressed good knowledge about voluntary blood donation. There was no significant statistical association between gender and knowledge regarding blood donation. All residents felt that blood donation was a good gesture. Only 11% were regular donors. There was a significant statistical association between donation practices and gender. **Conclusion:** A majority of the donors were willing to be regular donors. Though our residents are knowledgeable regarding blood donation process and have positive perception towards blood donation, there is no translation of this knowledge and attitude, towards blood donation practices.

140. A prospective study to assess the efficacy of Single donor platelets Vs Random donor platelets in thrombocytopenic patient.

Chaitanya Kumar IS, JothiBai DS, Sreedhar Babu KV, Mohan A, Sriram P

Indian J Sci Res 2018.

Platelets play a vital role in the maintenance of normal hemostatic activity. Patients with severe thrombocytopenia are presumed to be at increased risk of bleeding; consequently it has been standard practice to give allogeneic platelet transfusion to such patients as a supportive care. In the present prospective, observational study, the effectiveness of random donor and single donor platelet therapy in patients with during a period of one year was assessed. There was no statistically significant difference between SDP and RDP based on 1h CCI and 24h CCI.

141. Phenotypic frequency of certain clinically significant blood group antigens (Rh, Kell, Kidd & Duffy) in blood donors of the blood bank at a tertiary care referral teaching hospital in tirupati, andhra pradesh, South India.

Praveen MD, SreedharBabu KV.

J Cli Diag Res 2018.

Background: The knowledge of various blood group antigen and phenotype frequencies in a population is important in selecting compatible blood in alloimmunized patients. Such information in Indian population is very limited. This study was carried out to determine the frequencies of the D, C, c, E, e, K, k, Fy^a, Fy^b, Jk^a, Jk^b antigens in 1,024 blood donors at the Department of Transfusion Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati. **Methods:** Samples were collected for extended antigen typing during March 2016 to February 2017 for D, C, c, E, e, K, k, Fy^a, Fy^b, Jk^a, Jk^b antigens using monoclonal antisera by Column Agglutination Technology. Antigenic and phenotypic frequencies were expressed as percentages. **Results:** Among the Rh system, 'e' antigen was found in 98.6% donors, followed by D [92%], C [89%], c [56%], and E [17%] with DCe/DCe (R₁ R₁, 41.4%) as the most common phenotype. 'k' was found to be positive in 97% of donors and K+k- phenotype was found in 0.1% of donors. For Kidd and Duffy blood group system, Jk(a+b+) and Fy (a+b+) were the most common phenotypes with frequency of 56.2% and 47.5%, respectively.

Conclusions: Data base for antigen frequency of various blood group systems in local donors help provide antigen negative compatible blood units to patients with multiple antibodies in order to formulate in-house red cells for antibody detection and identification and for preparing donor registry for rare blood groups. **Recommendations:** phenotyping of red cells if done routinely Improves the blood safety, Prevent alloimmunization, Tackle emergency situations for antigen negative blood. In resource limited country like ours, phenotyping of all the minor blood group antigens could be a financial constraint. Hence, routine antigen typing at least for certain clinically significant blood group antigens will help in decreasing the RBC alloimmunization and DHTR.

142. An evaluation of non-infectious adverse reactions following blood transfusion at a tertiary care referral teaching hospital in Southern India.

Sindhuja K, SreedharBabu KV, Anitha M, Praveen MD, Sriranjitha TVN.

J Cli Diag Res 2018.

Background: Though blood transfusion is life saving, it can also lead to certain adverse reactions which can be fatal rarely. Identification of the adverse reactions will help in taking appropriate steps to reduce their incidence and

make blood transfusion process as safe as possible and this study has been undertaken to assess the frequency of adverse reactions occurring following whole blood or blood component transfusion in patients admitted at a tertiary care referral teaching hospital in Southern India. **Material and Methods:** During the period from April 2016 to March 2017 all the adverse reactions related to transfusion of blood and blood components in patients admitted at our hospital were recorded. They were analyzed and classified using standard definitions, based on their clinical features and laboratory tests. **Results:** During the study period, a total of 13,532 whole blood and blood components were issued from our blood bank to 4,155 patients. Among them 23 (0.16%) adverse reactions were noted. The most common type of reaction observed was allergic (n = 9; 39.13%), followed by delayed hemolytic transfusion reaction (DHTR) (n = 4; 17.39%). Other reactions observed were febrile non hemolytic transfusion reactions (FNHTRs) (n=3, 13.04%), hypotension (n=3, 13.04%), transfusion associated circulatory overload (TACO) (n = 1, 4.35%), transfusion related acute lung injury (TRALI) (n = 1, 4.35%) and delayed serological transfusion reaction (DSTR)(n = 2, 8.70%). **Conclusion:** Frequency of transfusion reactions in the present study was 0.16%. This can be an underestimation of the true incidence because of underreporting which can be improved by hemovigilance system and one should consider for rationale use of whole blood and blood components.

143. Analysis of reasons for red cell cross match incompatibility in a blood bank of a tertiary care teaching institute in South India.

Praveen MD, SreedharBabu KV, Anitha M, Sriranjitha TVN.

J Cli Diag Res 2018.

Background: Pre-transfusion compatibility testing is performed in order to prevent the transfusion of incompatible donor RBCs. It can assure ABO compatibility between donor and patient blood as well as detect most clinically significant red cell alloantibodies. **Aim:** To estimate the incidence and nature of red cell incompatibilities that were reported in the cross match lab. **Settings and Design:** This single centre prospective study has been conducted at the Department of Transfusion Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati during the period from June 2016 to November

2018. The study population comprise of recipients of whole blood and packed red cells whose requests were sent to Immuno-Haematology laboratory for pre-transfusion testing. **Methods and Material:** Two millilitre of plain blood sample from each recipient was collected separately for pre transfusion testing according to our departmental SOPs. Whenever an incompatibility was identified at any stage of pre transfusion testing, the reasons were analysed. **Statistical Analysis:** Results were expressed as percentage. Reasons for incompatibilities observed in the present study were compared with summary data from previous published studies. Statistical analysis was carried out using SPSS version 25, SPSS Inc, Chicago, USA. **Results:** During the study period, 24,528 cross matchings have been done among which a total of 42 (0.17%) incompatibilities occurred. Incompatibilities occurred with sample of the patients from 4 years to 70 years with eight males and sixteen females. Majority of incompatibilities were due to unexpected antibodies and majority of them belong to O blood group. **Conclusion and Recommendations:** For patients who are unlikely to require blood transfusion in a given medical or surgical setting, "type and screen" should be a common approach. This practice of performing type and screen only allows better inventory management of red blood cell supply.

144. Codifying anterior UREThRAL strictures with urethral stricture score.

Venkata Chaitanya S, Anil Kumar N, Satish B, Manoj B, Konda Reddy.

Int J Contemporary Med Res 2018;5(10):J1-J4.

Introduction: Urethral stricture description is not standardized. This makes surgical decision-making less reproducible and increases the difficulty of objectively analyzing urethroplasty literature. Wiegand and Brandes² developed the urethral stricture score to codify anterior strictures. The objectives of this study were to evaluate urethral stricture score in management of anterior urethral strictures. **Material and methods:** This was a prospective observation study, which included all patients operated for stricture urethra between March 2015 to march 2017 after applying exclusion criteria. The urethral stricture score for each patient was calculated. The obtained USS was related to the surgical procedure, intraoperative complexity, complications that patient underwent for any significant correlation. **Results:** A total of 94 patients were included in study. A total of 26 (27.66%) patients underwent VIU

while 26 (27.66%) and 42 (44.68%) of patients underwent anastomotic urethroplasty and BMG urethroplasty respectively with a overall success rate of 76.60%. Mean urethral Stricture Score of 94 patients was 9.617 with a range of 5 – 21. **Conclusion:** This study confirms the validity of Urethral stricture score in predicting surgical complexity for anterior urethral strictures with higher USS score patient requiring more complex surgery.

145. Genitourinary fistulas – our experience.

Anil Kumar N, S Venkata Chaitanya, P Prasad, A Jai Babu, K Ravi Shankar

Int J Contemporary Med Res 2018;5(12):L1-L5.

Introduction: Urogenital fistula is a physically, socially and psychologically devastating condition. Although advances occurred in the understanding of etiology, pathogenesis, diagnosis, and management, it still poses challenges to the treating surgeon because of the controversies regarding the optimum time of repair and the ideal surgical approach. The objective of our study was to review cases of urogenital fistulae referred to our department over a 4-year period, with respect to etiology, types, management and outcome. **Material and methods:** This was a retrospective observational study between January 2013 to January 2017 which reviewed patient charts undergoing Genitourinary fistula repair at our Institute SVIMS, Tirupati for etiology, site, size and number of fistulae, clinical presentation, diagnostic modalities, and management. **Results:** A total of 49 women underwent genitourinary fistula repair at our institute between January 2013 to January 2017. The mean age of the patients was 39 years (19-58). Out of 49 cases, 35 cases were vesicovaginal fistulae (VVF), 3 fistulae were ureterovaginal, two fistulae were both VVF and ureterovaginal, 7 fistulae were urethrovaginal and one vesicouterine fistula. **Conclusion:** Genitourinary fistulas are socially debilitating. High rates of successful fistula closure can be achieved irrespective of etiology by following sound surgical principles of fistula repair.

146. Comparing the effectiveness of glycine Max fortified mixture (GMFM) and Hyderabad Mixture (HM) on Nutritional status of Malnourished children in rural area.

Utalbasha N Dhandargi, Padmaja A.

IntJ Curr.Res.Aca.Rev 2018;6(1):30-4.

Malnutrition is one of the most devastating problems worldwide and is inextricably linked with poverty. Each individual requires a minimum amount of nutritious food to keep himself/herself healthy. When this minimum requirement is not met the human body becomes weak and susceptible to infection. Therefore, to recover from this problem it is very important to supplement the diet with protein and energy rich food supplement. The aim of the study was to compare the effectiveness of glycine max fortified mixture and Hyderabad mixture on nutritional status of malnourished children. Single blinded randomized block design. Anganawadi No.1, Muchakandi village, Bagalkot. 20 children between 2 to 5 years of age with weight for age Z Score between >-2 to <-3 . The children were screened using WHO anthro v 3.2.2 software. HM and GMFM. Body weight, height, mid arm circumference. The data was collected by structured interview schedule and Bio physiological method. There was no significant difference between the effectiveness of GMFM and HM on nutritional status of malnourished children (p value= 0.3512). Both HM (p value<0.000271) and GMFM (pvalue=0.000125) were significantly effective in improving the nutritional status of the malnourished children.

147. Current updates on child morbidity and mortality rates: 2011-2017.

Mohana sundari K, Padmaja A.

Com Public Health Nur 2018;3(1):13-8.

The leading causes for death among under-five children changes over a period of time but the cause diarrhea and ARI remains unchanged. India is the leading country in death due to pneumonia. Comparing to the last decade the under five mortality is reduced but it is still not the reduction which is expected. The still birth rate is 22/1000 total birth, perinatal mortality rate is 26/1000 live birth, neonatal mortality rate is 18/1000 live birth, post neonatal mortality rate is 19/1000 live birth, infant mortality rate is 40/1000 live birth, Underfive mortality rate is 48/1000 live birth. More than half of the causes for death can be preventable or treatable through safe childhood and effective neonatal care. The purpose of this review is to understand the present mortality rate and causes for this as well as to get clues for epidemiological research in future.

148. A study to assess the effectiveness of structured teaching programme on knowledge regarding bronchial Asthma among mothers of under five children in selected hospitals, Tirupati.

Reskha K, Padmaja A.

Int Organ Sci Res - J Nurs Health Sci 2018;7(4):67-72.

Background: Respiratory Tract Infections are one of the leading causes of death in Developing countries. Those are Lower Respiratory tract infection, Tuberculosis, chronic obstructive pulmonary disease, and Bronchial Asthma.1 Bronchial Asthma is one of the leading causes of hospitalization among children2 . Asthma is one of the most common non-communicable disease. Although the onset of Asthma may occur at any age, 80% to 90% of children have their first symptoms before 4 to 5 years of age.3
Objectives: 1.To assess the knowledge regarding Bronchial asthma among mothers of under five children. To evaluate the Effectiveness of structured teaching program on knowledge regarding bronchial asthma among mothers of under five children. To find out the relationship between socio-demographic variables and knowledge Regarding Bronchial Asthma among mothers of under five children. **Method:** A quasi experimental single group pre-test and post-test design was adopted to assess the effectiveness of structured teaching programme on knowledge regarding Bronchial Asthma among mothers of under five children in selected hospitals, Tirupati. A total of 50mothers of under five children were selected by convenient sampling technique. **Results:** The effectiveness of level of knowledge and knowledge on practices regarding Bronchial asthma scores the mean of knowledge was 1.76 and Standard deviation was 0.771; mean of practice was 2.14 and standard deviation was 0.729. In Post-test mean of knowledge was 7.54 and standard deviation was 1.446 and mean of practice was 13.0 and standard deviation was 1.632 . knowledge and practice were significant at $p < 0.01$ level. **Conclusion:** This study was successful in presenting a better understanding of the issues associated with introduction of Bronchial asthma in children.

149. A study to assess the effectiveness of videotaped instruction on child CPR among third year B.Sc Nursing students, College of Nursing, SVIMS, Tirupati.

Sravani A, Padmaja A.

Int Organ Sci Res - J Nurs Health Sci 2018;7(4):16-20.

Background: CPR is a rescue procedure to be used when the heart and lungs have stopped working. Dangers of Sudden Cardiac Arrests (SCA) that can lead to death of an individual within a few minutes. CPR is a basic life support for the purpose of oxygenating brain and heart until the appropriate definitive medical treatment can restore the normal respiration and circulatory function.

Objectives: 1. To assess the knowledge regarding child CPR among third year B.Sc Nursing students.2. To assess the effectiveness of videotaped instruction on child CPR among third year B.Sc Nursing students.3. To associate the knowledge on videotaped instruction on child CPR with selected demographic variables.4. To associate the knowledge on practice on videotaped instruction on child CPR with selected demographic variables.

Method: A quasi experimental single group pre-test and post-test design was adopted to assess the effectiveness of videotaped instruction on child CPR in College of Nursing, SVIMS, Tirupati. A total of 50 third year B.Sc Nursing students were selected by Random sampling technique.

Results: The effectiveness of knowledge on CPR, knowledge on practice scores in pre-test, mean of knowledge was 7.90 and standard deviation was 0.763, mean of practice was 7.28 and standard deviation was 1.262. In post-test, mean of knowledge was 6.24 and standard deviation was 1.287, mean of practice was 13.26 and standard deviation was 1.175. Both the level of Knowledge and practices were significant at $p < 0.01$

Conclusion: This study was successful in presenting a better understanding of the issues associated with introduction of Cardiopulmonary resuscitation in children.

150. Evidence based practice – a core concept to achieve quality of nursing care.

Mohana Sundari SK, Padmaja A.

IJNER 2018. 6(3):295-8.

Nursing has a rich history of using research in practice, pioneered by Florence Nightingale. Although during the early and mid-1900s, few nurses contributed to this foundation initiated by Nightingale, the nursing profession has more recently provided major leadership for improving care through application of best clinical research evidences in practice. Evidence-based practice (EBP) is the conscientious and judicious use of current best evidence

in conjunction with clinical expertise and patient values to guide health care decisions. Expansion of Scientific knowledge, highly educated consumers, and nurses in clinical settings, aggressive pursuit of cost-effectiveness and accreditation expectation etc contributing to emphasis EBP. The steps of implementing EBP is Ask, Acquire, Appraise, Apply and Assess/Re Assess. CINAHL, MEDLINE: (PubMed) and Evidence based clinical practice guidelines etc are few resources to avail best evidences for practice. Best evidence includes empirical evidence from meta analysis, randomized controlled trials; evidence from other scientific methods such as descriptive and qualitative research; as well as use of information from case reports, scientific principles, and expert opinion. When enough research evidence is available, the practice should be guided by research evidence in conjunction with clinical expertise and patient values. Adequate knowledge, attitude, skill and support are key to apply Evidence in to practice. There is so many professional and individual barrier need to be overcome in order to implement EBP in clinical setting to achieve quality of nursing care.

151.A study to assess the effectiveness of structured teaching programme on knowledge regarding prevention of Iodine deficiency disorder among mothers of underfive children at selected Anganwadi center, Tirupati,

Poornima P, Padmaja A.

Int Organ Sci Res - J Nurs Health Sci 2018. 7(4): 840-89.

Background: Iodine deficiency has multiple adverse effects in humans, termed as iodine deficiency disorders[IDD]due to inadequate thyroid hormone production .Iodine deficiency gives rise to goiter in adults as well as cretinism in children, which results in developmental delay and other health problems .According to WHO ,nearly 2 billion people had insufficient iodine intake. Thus iodine deficiency as the single greatest preventable cause of mental retardation ,and it is an important public health problem. **Objectives:** 1. To assess the knowledge regarding prevention of iodine deficiency among mother's of under five children at selected anganwadi center, Tirupati..2. To assess the effectiveness of structured teaching programme on prevention of iodine deficiency disorder among mother's of under five children.3. To associate the knowledge on structured teaching programme with selected demographic

variables.4. To associate the knowledge on practice on structured teaching programme with selected demographic variables. **Method:** A quasi experimental single group pre-test and post-test design was adopted to assess the effectiveness of structured teaching programme on prevention of Iodine deficiency disorder among mother's of under five children, at selected anganwadi center, Tirupati.A total of 50 mother's of under five children were selected by Convenient sampling technique. **Results:** The effectiveness of knowledge on iodine deficiency disorder, knowledge on practice scores in pre test, mean of knowledge was 2.46 and standard deviation was 1.705,mean of practice was 4.56 and standard deviation was 1.929.In post- test mean of knowledge was 8.18 and standard deviation was 1.257, mean of practice was 1.90 and standard deviation was 0.707. Both the level of Knowledge and practices were significant at $p<0.01$ level. **Conclusion:** This study was successful in presenting a better understanding of the issues associated with introduction of prevention of Iodine deficiency disorder among mother's of under five children.

152.A study to assess the knowledge regarding care of New born on incubator among 4th year B.Sc Nursing students, Tirupati.

Jyosna S, Padmaja A.

Int Organ Sci Res - J Nurs Health Sci 2018. 7(5):30-4.

Background: Newborn babies take time to accustom to the external environment specially if they one premature and Low Birth Weight. As they are on risk to develop hypoxia , hypothermia and other many associated adverse conditions, who needs special care and attention. Prematurely born infants are usually nursed in incubators to provide the best possible warmth. **Objectives:** 1. To assess the level of knowledge and knowledge on practices regarding care of newborn on incubator among 4 th year B.Sc Nursing students.2. To associate the relationship between selected socio-demographic variables and level of knowledge and knowledge on practices regarding care of newborn on incubator among 4 th year B.Sc Nursing students.3. To develop information booklet regarding care of newborn on incubator. **Method:** A descriptive research design was adopted to assess the knowledge regarding care of newborn on incubator in svims and Sri Vikas College of nursing, Tirupathi. A total of 120 fourth year B.Sc Nursing students were selected by Random sampling technique. **Results:** The findings showed that majority

75(62.5%) had moderate knowledge, 37(30.8%) had adequate knowledge, 8(6.7%) had inadequate knowledge regarding care of newborn on incubator, mean of knowledge was 9.733 and standard deviation was 1.538, mean of practice was 6.142 and standard deviation was 1.324. **Conclusion:** There was a significant association between the level of knowledge and selected sociodemographic variables of the students.

153. A comparative study to assess the knowledge, attitude and knowledge on practices regarding complementary foods among mothers of infants between urban and rural areas at Tirupati, Chittoor (D), India.

Sireesha N, Padmaja A.

Int Organ Sci Res - J Nurs Health Sci 2018;7(5):56-9.

Background: India with a population of 1.21 billion population stand at the second position as the most populous country in the world after China. India comprises almost 13.1% of child population aged 0-6 years. The present study was designed to assess the knowledge, attitude and knowledge on practices regarding complementary foods among mothers of infants between urban and rural areas at, Tirupati **Methodology:** The data were collected on knowledge, attitude and knowledge on practices among mothers of infants. Sample size was 100 mothers of infants. Convenient sampling technique was used to draw the sample. The data collection was done by interview method, us structured questionnaire which includes 25 questions of knowledge, attitude and knowledge on practices with scoring pattern of one for each correct answer and zero for incorrect response **Results:** The results of the study were indicating about that among 50 urban mothers 15 (30%) had inadequate knowledge, 19 (38%) had moderate knowledge and 16 (32%) had adequate knowledge on complementary foods. Among 50 rural mothers 21 (42%) had inadequate knowledge, 23(46%) had moderate knowledge and 6(12%) had adequate knowledge on complementary foods. **Conclusions:** There is lack of knowledge in mothers regarding complementary foods, there has to be proper recommendation about timing of complementary foods. Mean age of complementary foods was delayed due to improper information, low socio-economics status and rural mothers, thus leading to malnutrition of the child. Hence, mothers should be educated properly regarding complementary foods,

preparation and practices to prevent malnutrition and improve the health status of the children

154. Visual imagery technique in caring for children” imagination is more powerful than knowledge – by Albert Eistein.

Mohana Sundari SK, Padmaja A.

Int J Adv Nurs Manag 2018; 6(3):263-86.

Visual imagery technique sometimes referred as Guided therapeutic imagery, a technique in which mental health professionals help individuals in therapy focus on mental images in order to evoke feelings of relaxation, is based on the concept of mind-body connection. Mind-body connection upholds the interaction between body and mind as one important factor in a person’s overall health and well-being. In guided therapeutic imagery, a person can call on mental images to improve both emotional and physical health. Nurses must learn about how to apply visual imagery technique in clinical practice for the management of physical and psychological (e.g. pain and anxiety) symptoms. Goal of VIT To manage pain, promote healing, promote relaxation and to reduce anxiety, improve mood, feel less nervous or upset, help to reach goals (such as losing weight or quitting smoking), help to prepare for an athletic event or academic achievement or for public speaking and provide a sense of empowerment or control. Types of VIT is Relaxation imagery, Healing imagery, Pain control imagery and Mental rehearsal. Steps of VIT is Phase-1: Image generation, Phase-2: Image maintenance, Phase-3: Image inspection and Phase-4: Image transformation. Two components of VIT is first components: a state of deep relaxation through breathing and muscle relaxation techniques, and Second component: Imagery or visualization component. It can be started once the person achieves the state of relaxation. Typically a therapist using this approach will provide verbal prompts to direct the focus of the imagery, often encouraging the participant to notice various sensory aspects of the scene. Some practitioners may use music as part of the technique. There are two distinct routes by which mental imagery can be generated/created within consciousness. Involuntary/Immediate perceptual information and Voluntary/Previously stored information. Child can react to VIT physiologically and psychologically. Conditions like Social phobia, Schizophrenia, Depression, Post-traumatic stress disorder, Stress, Anxiety, Grief, Relationship issues,

Diminished self-care and Family and parenting issues can benefit from VIT. Present review was undertaken to know the origin of visual imagery technique, existing practices/situation/knowledge/attitude, existing problems/shortcoming, strategies to improve the situation/minimize or solve problems technique and nursing implications for visual imagery

155. Perceptions on epilepsy stigma among attendants of patients other than epilepsy.

Nagarathnam M.

J NTR Univers Health Sci 2018;7(3):190-5.

Background: Stigma is an important contributor for epilepsy. In India, most studies on epilepsy stigma were carried out using knowledge, attitude, and practice questionnaires. Of the four studies which used stigma scale, only three studies investigated up to 50 healthy subjects and were of eastern and western-central India; however, representation is lacking from south India. Perceptions on stigma vary by region and cultural group. **Aim:** To study the perceptions among attendants of patients other epilepsy. **Materials and Methods:** In a prospective observational study, 170 healthy attendants of patients other than epilepsy belonging to south India were recruited and their perceptions on epilepsy stigma were documented. **Results:** Mean age of the subjects was 34.39 ± 11.49 years. The mean score of epilepsy stigma was 20.06 ± 13.66 . Majority of the subjects had mild epilepsy stigma perception (83.6%). No significant difference in epilepsy stigma score was observed with respect to gender, age groups, religion, and marital status. Higher epilepsy stigma score was observed in rural, less educated, and low income groups. In regression analysis, family income (standardized beta = "0.201, $P < 0.01$) and occupation (standardized beta = "0.174, $P < 0.05$) were found to be the significant predictors of epilepsy stigma. **Conclusions:** The results suggest that, to reduce the stigma of epilepsy among the public, socioeconomic and educationally disadvantaged groups should be given priority for destigmatization campaigns.

156. Effective of planned teaching programme on prevention of post operative pulmonary complication among pre-operative cardiothoracic patients at tertiary care center of AP IOSR.

Nagarathnam M.

J Nurs Health Sci 2018;7(5):85-91.

Aim: A study to evaluate the effectiveness of planned teaching programme on prevention of post-operative pulmonary complications among pre-operative cardiothoracic patients. **Materials and methods:** A preexperimental research with one group pre- test post - test design was used for this study. The study was conducted in the cardio-thoracic post- operative ward in SVIMS hospital, Tirupati, A.P. The population consists of pre & post operative cardio-thoracic surgery patients. The sample was 70 post-operative cardiothoracic patients who fulfilled the inclusion criteria were selected by using purposive sampling technique. The tool used for data collection was structured questionnaire. **Results:** Results shows that 42(60.0%) were having inadequate knowledge, 24(34.39%) were having moderate knowledge, 4(5.70%)adequate knowledge inpre- testand47(67.10%) have adequate knowledge,19(27.10%) have moderate knowledge and 4(5.70%) have inadequate knowledge in the post test. The pretestmean scores 21.40 ± 7.04 had increased mean score to 36.21 ± 6.07 in the posttest which indicates that planned teaching was effective in increasing knowledge levels of post-operative cardiothoracic patients. **Conclusion:** The results from this study reveals that planned teaching programme is effective in increasing the knowledge regarding prevention of post-operative pulmonary complications among post-operative cardiothoracic patients. The findings of the study revealed a significant increase in the post test knowledge scores after structure teaching programme.

157. A comparative study of Johnson's formula and Material anthropometric measurements for estimation of fetal weight and their correlation with birth weight among term pregnant mother's in antenatal ward at Government hospital, Tirupati.

Srivalli D, Usha Kiran C, Tirupati Rao P.

J Academic Res Develop 2018;3:429-34.

In this study, Descriptive correlational research design used on Johnson's formula and Maternal Anthropometric Measurements for estimation of foetal weight and their Correlation with birth weight among Term Pregnant Mothers. Non probability purposive sampling technique with a structured interview schedule was used to collect data from the samples. Result of the 100 samples revealed that the highest knowledge score of the study was to correlate the in utero estimated fetal weight by using Johnson's formula, Anthropometric measurements to the birth weight.

It is observed that the mean correlation scores between Anthropometric measurements, Newborn Birth Weight are 3166.16 ± 384.34 . The r-value obtained was 0.20 which was statistically significant at $p < 0.001$. The correlation between newborn birth weights with Johnson's Estimated Fetal Weight the mean value is $3434.03, \pm 411.24$. The r-value obtained was 0.12 which was statistically not significant. When the birth weights were compared with the measured birth weight in different weight categories 3,500gms, Anthropometric measurements proved better than Johnson's formula with Chi-square value 243.22 and 224.08 respectively which were significant at $P < 0.001$. The study findings revealed that there was a significant association with age, education of mother and education of husband, the Chi-square values of which were 5.92, 10.42 and 9.37 respectively at $p < 0.05$, while other variables were not found to be statistically significant. The study findings revealed that there was a good correlation between Anthropometric Measurements and Johnson's formula ($r = 0.20, p < 0.001$). Anthropometric Measurements formula was simple and there was better accuracy than Johnson's formula when birth weights were compared with measured birth weights. More over ultrasound is not available in the rural areas, where as SFH \times AG formula is easy and simple to calculate.

158. A study to assess the knowledge regarding mother to child transmission of HIV among antenatal mothers at MCH Centre, Tirupati.

Sunitha B, Usha Kiran C, Varalakshmi K.

J Nurs Health Sci 2018;7:27-30.

Background: HIV/AIDS has been described as the most dangerous and deadly disease of the millennium. Women are sexually economically and biologically more vulnerable to HIV infection and AIDS. Lack of knowledge about HIV/AIDS is one of the main reasons why the transmission rate is so severe. **Aim:** To assess the knowledge regarding mother to child transmission of HIV among antenatal mothers. **Method:** Descriptive design was utilized. A total sample of 100 antenatal mothers was recruited in the study. The study was conducted at MCH centre, Tirupati. Data was collected through structured questionnaire on knowledge regarding mother to child transmission of HIV. **Results:** The results revealed that, out of 100 antenatal mothers, nearly 3/4th of the respondents 74(74%) had moderate knowledge, 16(16%) had adequate knowledge and 10(10%) had inadequate knowledge on mother to child

transmission of HIV. **Conclusion and recommendations:** It was concluded that knowledge of mother to child transmission of HIV, modes of transmission, diagnosis and its management was moderate. So, there is a need to educate the antenatal mothers to increase awareness about mother to child transmission of HIV.

159. A study to assess the knowledge regarding cataract among Diabetes mellitus patients attending endocrinology OPD, SVIMS, Tirupathi.

Usha Rani K, Sreelatha M Sudha Rani P.

Int Organ Sci Res J Nurs Health Sci 2018;7:39-42.

Introduction: Diabetes Mellitus (DM) is a chronic disease of metabolic disorder characterized by hyperglycemic condition resulting from defects in insulin secretion, insulin action or both Diabetes mellitus. It is the most common disease among systemic diseases that cause blindness. Every fourth or fifth patient suffering from diabetes has also complications on the eye. The first and the most common one is diabetic retinopathy and the second one is diabetic cataract, which can appear at any age. However, it is more common in older patients. Cataract is the most common cause of blindness which is treatable. The aim of the study to assess the knowledge regarding cataract among diabetes mellitus patients. **Materials & Methods:** The descriptive study, sample size of 100 diabetic mellitus patients selected by purposive sampling technique and data was collected by administering self-structured questionnaire. It included data regarding socio-demographic characteristics and questions pertaining to knowledge on cataract and prevention practice of cataract adopted by diabetes mellitus patients. Analysis was done SPSS package 21 version. **Result:** The study results shows that out of 100 study participants, 31(31%) were 46-50 years, 50(50%) were females and males, 36(36%) were primary education, 79(79%) were family history of diabetes, 62(62%) were no family history of cataract. It was seen that 40 (40%) were having adequate knowledge, 30(30%) were having moderate and in adequate knowledge regarding cataract, 43(43%) were having inadequate knowledge, 35(35%) were having adequate knowledge and 22(22%) were having moderate knowledge regarding prevention of cataract and, 35(35%) were having moderate knowledge, 34(34%) were having adequate knowledge, 31(31%) were having inadequate knowledge among diabetes regarding cataract in overall knowledge. The gender, type of family, family income, duration of

diabetes mellitus, age in years, educational status, marital status, occupational status, source of information, family history of diabetes mellitus, family history of cataract was associated with better knowledge regarding cataract among diabetes mellitus patients. **Conclusions:** The study concluded that knowledge on cataract is moderate. More educational campaigns are required for improving the cataract prevention practices among diabetes, both within and outside hospital as part of strategies to prevent, manage and control of cataract in diabetic patients.

160. Assess the awareness regarding malaria among house inmates at selected Urban slum Tirupati.

Sumithra R, Sreelatha M Sudha Rani P.

J Nursing and Health Science 2018;7(5):25-7.

Malaria is a disease of global importance that results in 300-600 million cases annually and an estimated 2.2 billion people are at risk of infection. Malaria parasites are micro-organisms that belong to the genus Plasmodium. The infection is transmitted by the bite of an infected female anopheles mosquito. Malaria typically produces a string of recurrent attacks, or paroxysms, each of which has three stages-chills, followed by fever and then sweating. Along with chills, the person is likely to have headache, malaise, fatigue, muscular pains, occasional nausea, vomiting and diarrhea. The aim of the study was to assess the awareness regarding malaria among house inmates and the objectives was to assess the level of awareness regarding malaria among house inmates and identify the association between awareness regarding malaria among house inmates with their selected socio demographic variables. Non-experimental quantitative research approach was used, cross sectional descriptive research design was adopted a total of 100 samples were selected by using convenience sampling technique. Results show that 55 % of house inmates have moderate knowledge, 24% of house inmates have inadequate knowledge and 21% of house inmates have adequate knowledge regarding malaria and the study concludes that there is moderate knowledge regarding malaria among the respondents. So, there is need to improve the awareness regarding malaria for mosquito control measures.

161. A study to assess the effectiveness of awareness programme on common childhood allergies among mothers of selected areas, tirupati.

Mounika M, Sreelatha M, Sudha Rani P.

J Nurs Health Sci 2018;7:28-31.

Childhood allergies like asthma and allergic rhinitis are most common in children. Mothers need to understand about allergies. **Aim:** To evaluate the effectiveness of awareness programme on selected common childhood allergies among mothers. **Method:** A Pre-experimental one group pre-test and post-test was adopted. 50 mothers were selected by using convenient sampling technique on the basis of inclusive criteria to assess the knowledge regarding selected common childhood allergies among mothers by using structured questionnaire. **Results:** The study findings revealed that among 50 mothers 35(70%) had inadequate knowledge, 12(24%) had moderate knowledge and 3(6%) had adequate knowledge in pre-test. After the administration of awareness programme the findings of the post-test revealed that 33(66%) had adequate knowledge 13(26%) had moderate knowledge 4(8%) had inadequate knowledge on mothers regarding selected common childhood allergies. It evidenced that the awareness programme is significantly effective on improving knowledge regarding selected common childhood allergies among mothers. **Conclusion and recommendation:** The present study revealed that mothers have inadequate knowledge regarding selected common childhood allergies before awareness programme and after awareness knowledge about selected common childhood allergies among mothers was improved. To conduct awareness programme on prevention of common childhood allergies

162. A study to assess the effectiveness of structured teaching programme on knowledge regarding blood banking among female graduates at a selected colleges, Tirupati.

Grasy R Kokilamma B Sudha Rani P Sreelatha M.

J Nurs Health Sci 2018;7:24-7.

Background: Cord blood banking is the most important topic of science and technology today. Female graduates need to understand about cord blood banking hence those are going to give birth to the baby in the future. **Aim:** To evaluate the effectiveness of structured teaching programme on female graduates' knowledge regarding cord blood banking. **Method:** Pre-experimental design (pre and post intervention) was utilized. A total sample of 50 female graduates were recruited in the study. The study was conducted at Sri padmavathi women's degree college at

Tirupati. Data was collected through a structured questionnaire of female graduates knowledge towards cord blood banking. Results: The results revealed that, out of 50 female graduates, 30(60%) were having inadequate knowledge, 16(32%) were having moderate knowledge, 4(8%) were having adequate knowledge before structured teaching programme. As well as 70 per cent were having moderate knowledge, 24 per cent were having adequate knowledge and remaining (6%) were having inadequate knowledge respectively. **Conclusion and recommendation:**

The implementation of structured teaching programme was effective and effectively improved female graduates knowledge towards cord blood banking. The study recommended that adequately planned in-service training and awareness programs related to cord blood banking must established to develop female graduates knowledge in order to fit newly developed concepts.

163. A study to assess the effectiveness of structured teaching programme on knowledge regarding health aspects of Swachh Bharat Mission among arts students at SPW Degree College, Tirupati.

Kokilamma B Hemalatha S Sudha Rani P, Sreelatha M.

J Nurs Health Sci 2018;7:32-5.

Background: Health and hygiene are the most important elements for the overall human well-being and development. Without proper sanitation we can't keep our surroundings clean and prevent ourselves from diseases. Aim: To evaluate the effectiveness of structured teaching programme on arts students knowledge regarding Health aspects of Swachh Bharat Mission. **Method:** Pre-experimental design (pre and post intervention) was utilized. A total sample of 50 arts students were recruited in the study. The study was conducted at Sri padmavathi women's degree college in Tirupati. Data was collected through a structured questionnaire of arts students knowledge towards Health aspects of Swachh Bharat Mission.

Results: The results revealed that, out of 50 arts students majority of 36 (72%) were had inadequate knowledge, and 9 (18%) were had moderate knowledge and only 2(4%) were had adequate knowledge before structured teaching programme. As well as majority of the students 39(78%) were having adequate knowledge, 13(26%) were having moderate knowledge, and only 3(6%) were having inadequate knowledge respectively. **Conclusion and**

recommendation: The implementation of structured teaching programme was effective and effectively improved arts students knowledge towards Health aspects of Swachh Bharat Mission. The study recommended that a comparative study could be done between urban and rural areas, Similar study should be conducted on large population & Conducting camp in the rural areas about the Swachh Bharat Mission.

164. A study to assess the prevalence of attention deficit hyperactivity provolence among school children attending primary schools in tirupati.

Kiranmayi, Hemalatha S, Bhagya Lakshmi M

Int J Health Sci Res 20182018;8(11):144-53.

Background: It is a general assumption that children do not suffer from psychiatric disorders. However, it has been observed that childhood psychiatric disorders are more common than expected in the general population. Many children suffer from attention deficit hyperactivity disorder (ADHD), which is defined as a persistent pattern of inattention or impulsivity that is formed during growth. It is manifested in two or more contexts (e.g., at home, school or work) and negatively affects the individuals social, academic or occupational functioning. Early identification and intervention of these problems are very important to address issues at early age. The present study was aimed to assess the prevalence of ADHD among school children (7 to 11 years). **Objectives:** To assess the prevalence of Attention Deficit Hyperactivity Disorder among school children- studying in primary schools, Tirupati. To compute the level of attention (inattention) and behavior (hyperactivity) of children with ADHD. To find an association between level of attention and behavior with selected demographic variables. Methodology of the study: Cross sectional survey approach, of which a time-dimensional research design, which is a type of descriptive study design was used. It was planned to conduct the study in primary schools of selected urban areas in Tirupati. The population were school going children (7 to 11 years), studying in primary schools of selected urban areas, Tirupati. The samples were identified as having features of ADHD based on patent and teachers data by applying SNAP- IV TEACHER and PARENT RATING SCALE. **Results:** Findings of the study shown that among 403 school going children (7 to 11 years), 24 (5.9%) identified as having features of ADHD either of inattention, hyperactivity or ADHD-combined type; among 24 (5.9%)

identified children, 22 (5.45%) identified as ADHD-combined type; one child (0.24%) identified as ADHD-inattention type and one child (0.24%) identified as ADHD-hyperactive type. **Conclusion:** Results of the study confirm the existence of ADHD among the school children (7 to 11 years) in the study population, which clearly states that ADHD-combined type is more predominant than other sub types of ADHD. The boys, girls ratio found to be 2:1. Analysis also revealed that there was a significant association between prevalence of ADHD and its subtypes with selected demographic variables such as type of residence, type of school, history of eventful pregnancy and religion at 0.05 level of significance.

165. A study to assess the effectiveness of structured teaching programme on knowledge regarding alcohol use and its harmful effects among high school children at municipal corporation school in Tirupati.

Snehalatha R, Bhagya Lakshmi M, Hemalatha S.

Int J Health Sci Res 2018;7(12):415-6.

Aim: “To assess the effectiveness of structured teaching program on knowledge regarding alcohol use and its harmful effects among high school children at Municipal Corporation School in Tirupati”. **Materials and methods:** A quasi-experimental research with one group pretest posttest design was used and the study was conducted in Municipal Corporation School in Tirupati, Andhra Pradesh. The population consists of high school children. The sample size was 60 high school children, who fulfilled the inclusion criteria. The tool used for data collection was structured questionnaire. **Results:** The study findings revealed that among 60 high school children 15 (25%) had inadequate knowledge, 24 (40%) had moderate knowledge and 21 (35%) had adequate knowledge in pretest after administration of structured teaching program, the posttest findings revealed that 8 (13.3%) had inadequate knowledge 28 (46.7%) had moderate knowledge and 24 (40%) had adequate knowledge. That the pretest means value and standard deviation scores was 15.40+2.499 and the posttest means value and standard deviation was 24.08+2.499 and the calculated t-value was 15.846. Which was statistically significant at $p=0.01$. The above results revealed that there was a significant difference between pre-test and post-test scores among scores among high school children after structured teaching program. **Conclusion:** The high school children had gained

knowledge on Alcohol use and its harmful effects after the structured teaching program in the post test assessment.

166. A study to assess the effectiveness of structured teaching programme on knowledge regarding health aspects of Swatch Bharath Mission among arts students at SPW Degree College, Tirupati.

Kokilamma B

J Nur Health Sci 2018;7:32-5.

Background: Health and hygiene are the most important elements for the overall human well-being and development. Without proper sanitation we can't keep our surroundings clean and prevent ourselves from diseases. **Aim:** To evaluate the effectiveness of structured teaching programme on arts students knowledge regarding Health aspects of Swachh Bharat Mission. **Method:** Pre-experimental design (pre and post intervention) was utilized. A total sample of 50 arts students were recruited in the study. The study was conducted at Sri padmavathi women's degree college in Tirupati. Data was collected through a structured questionnaire of arts students knowledge towards Health aspects of Swachh Bharat Mission. **Results:** The results revealed that, out of 50 arts students majority of 36 (72%) were had inadequate knowledge, and 9 (18%) were had moderate knowledge and only 2(4%) were had adequate knowledge before structured teaching programme. As well as majority of the students 39(78%) were having adequate knowledge, 13(26%) were having moderate knowledge, and only 3(6%) were having inadequate knowledge respectively. **Conclusion and recommendation:** The implementation of structured teaching programme was effective and effectively improved arts students knowledge towards Health aspects of Swachh Bharat Mission. The study recommended that a comparative study could be done between urban and rural areas, Similar study should be conducted on large population & Conducting camp in the rural areas about the Swachh Bharat Mission.

167. A study to assess the effectiveness of structured teaching programme on knowledge regarding blood banking among female graduates at a selected colleges, Tirupati.

Grasy R, Kokilamma B, Sudha Rani P, Sreelatha M.

J Nurs Health Sci 2018;7:24-7.

Background: Cord blood banking is the most important topic of science and technology today. Female graduates need to understand about cord blood banking hence those are going to give birth to the baby in the future. **Aim:** To evaluate the effectiveness of structured teaching programme on female graduates' knowledge regarding cord blood banking. **Method:** Pre-experimental design (pre and post intervention) was utilized. A total sample of 50 female graduates were recruited in the study. The study was conducted at Sri padmavathi women's degree college at Tirupati. Data was collected through a structured questionnaire of female graduates knowledge towards cord blood banking. **Results:** The results revealed that, out of 50 female graduates, 30(60%) were having inadequate knowledge, 16(32%) were having moderate knowledge, 4(8%) were having adequate knowledge before structured teaching programme. As well as 70 per cent were having moderate knowledge, 24 per cent were having adequate knowledge and remaining (6%) were having inadequate knowledge respectively. **Conclusion and recommendation:** The implementation of structured teaching programme was effective and effectively improved female graduates knowledge towards cord blood banking. The study recommended that adequately planned in-service training and awareness programs related to cord blood banking must established to develop female graduates knowledge in order to fit newly developed concepts.

168. Effectiveness of interval walking and continuous walking training on glycemic control in people with type 2 diabetes mellitus".

Swapna Kumari, Madhavi K, Suresh Kumar K.

Int Educat Sci Res J 2018;4:8.

Background: Diabetes Mellitus (DM) is a metabolic disorder characterized by the presence of chronic hyperglycemia (high blood sugar). accompanied by greater or lesser impairment in the metabolism of carbohydrates, lipids and proteins. DM is probably one of the oldest diseases known to man. It was first reported in Egyptian manuscript about 3000 years ago In 1936, the distinction between type 1 and type 2 DM was clearly made Type 2 DM was first described as a component of metabolic syndrome in 1988. Worldwide the prevalence almost doubled between 1980 and 2014 (4.7% to 8.5%) and it is more pronounced in lower middle-income countries, more in men comparative in women (85–95% T2DM). Diabetes

is a lifelong disease that affects, the way your body handles glucose mismanagement of diabetes leads to micro, macro complications. Microvascular/neuropathic-retinopathy, cataract-impaired vision, nephropathy-renal failure, peripheral neuropathy-sensory loss, motor weakness, autonomic neuropathy- postural hypotension, gastrointestinal problems (gastroparesis; altered bowel habit), foot disease-ulceration, arthropathy. Macrovascular-coronary circulation-myocardial ischaemia/infraction, cerebral circulation-transient ischaemic attack, stroke, peripheral circulation-claudication, ischaemia. The best way to prevent and regulate these complications is to have regular supervised pharmacological therapy along with life style modifications. There are many studies done on life style modifications (regular exercises and physical activity) walking, aerobic exercises, resisted exercises are the best form of exercises to regulate the diabetes and prevent the complications among them walking is safe, cheaper, easier to adopt and is efficient. As the specific mode of walking, intensity, duration, frequency, is still unclear. Effectiveness of walking can be measured using physical parameter BMI, physical activity level with GPAQ, physiological variables FBS, PPBS, HbA1c, and Functional variables vo2 peak. Hence, it is needed to study the effects of different modes of walking on type 2 diabetes mellitus. **Aim of the study:** The aim of the study is to find out the influence of interval walking and continuous walking on Glycemic control, body composition, physical activity and functional variables (vo2 peak) in type 2 diabetes mellitus individuals. **Objectives:** 1. To study the effect of interval walking and continuous walking on physical parameter-BMI using N2O body composition analyzer in individuals with the type 2 diabetes mellitus. 2. To assess the effect of interval walking and continuous walking on the effectiveness of physical activity level-using GPAQ in individuals with the type 2 diabetes mellitus. 3. To assess the effect of interval walking and continuous walking on physiological variables-FBS, PPBS using one- touch glucometer in individuals with the type 2 diabetes mellitus. 4. To assess the effect of interval walking and continuous walking on physiological variables-HbA1c using values were obtained from medical records. Only values recorded for the three months. 5. To study the effect of interval walking and continuous walking on functional variables-vo2 peak using treadmill in individuals with the type 2 diabetes mellitus.

169. To study the effectiveness of pneumatic compression therapy on upper limb edema, shoulder function in post radical mastectomy individuals.

Prasad C, Madhavi K, Asha Jyothi K.

Int Educat Sci Res J 2018;4:8.

Introduction: Breast cancer has been the most common form of cancer in women, but its incidence has decreased with increasing diagnosis and treatment options in the last few years. However, illness-induced functional impairment still constitutes a problem. Patients with breast cancer undergo surgical treatment (mastectomy) accompanied by axillary node dissection, radiotherapy, and chemotherapy. These treatments impair lymphatic drainage of the affected upper limb, and place patients at risk for secondary upper limb edema, which has been reported at rates ranging from 10.0% to 49.0%. Breast cancer patients develop some complications because of both the nature of the cancer itself and the treatment of the cancer, including cosmetic, psychological, and physical problems, such as dysfunction of the shoulder and upper limb edema. Post-operative breast cancer are commonly referred to physiotherapy for treatment of reduced shoulder complex function. There is a growing evidence that strengthening or resistive exercises, enhances strength, improves quality of life and reduces incidence of upper limb edema. Exercises is an important component of the cancer rehabilitation continuum. Manual lymphatic drainage is a massage technique that is performed from distal to proximal directions. Pneumatic compression therapy, which involves gradual pressure gradients on the lymph vessels, helps to drain the lymph flow. Apart from strengthening exercises, lymphatic techniques as are essential to soothe the total motion. **Aim of the study:** To study the effectiveness of pneumatic compression therapy on upper limb edema shoulder function in post radical mastectomy individuals. **Need of the study:** Many of the studies have done on Faradism under pressure and manual lymphatic drainage on upper limb edema but there is dearth of the studies on efficacy of pneumatic compression therapy on upper limb edema, shoulder function in post radical mastectomy individual. **Objectives:** To find out the effectiveness of pneumatic compression therapy on upper limb edema through Pneumatic compression unit in units, in post radical mastectomy individuals. To find out the effectiveness of pneumatic compression therapy on shoulder function through DASH scale in units, in post radical mastectomy individuals. **Methodology:** Patients who had a history of

unilateral upper limb edema for at least 1 year. Upper limb edema more than 2 inches compared to normal limb, were taken up to the study. All the patients who are eligible for this study were included in the study. 25 individuals were taken up for the study they received a pneumatic compression therapy for 60mm of Hg pressure for 30 minutes. Manual lymphatic drainage for 10 minutes, upper limb stretching's for 10 minutes, shoulder mobility exercises for 10 minutes, under therapist supervision. Patients were treated 5 times per week for 3 weeks a total of 15 sessions. After the therapy the patients were instructed to continue the exercises. Pre and post therapeutic values of upper limb oedema and DASH were measured. **Results:** The pre and post experimental mean value, t-test and p-value of all the outcomes that is upper limb edema, DASH are significant at (0.05) in the group. **Conclusion:** The study concluded that pneumatic compression therapy, manual lymphatic drainage, stretching's, shoulder mobility exercises showed a significant improvement.

170. Effect of theraband resistance training Vs. resistance training using dumbbells on the strength of rotator cuff muscles in male recreational badminton players.

Vengaiiah BC, Viswanath Reddy A, Madhavi K.

Int Educat Sci Res J 2018;4:8.

Background: Badminton is the one of the most widely played games in the world, the badminton world federation (BWF) estimated that about 150 million people play the game worldwide and more than 2000 players participating in international competitions. This game is played by the all ages at all levels and it is a noncontact racquet game which requires jumps, lunges, quick changes in direction and rapid arm movements from a wide variety of postural positions, even though badminton is considered to be a very safe sport. The shoulder pain in recreational badminton players is due to subacromial impingement, instability, or scapula thoracic dyskinesia. The most common cause of shoulder pain and injuries are rotator cuff disorders. The function of the rotator cuff is to stabilize the head of the humerus in the socket of the shoulder blade. A strong and functional rotator cuff widens the subacromial space during the shoulder flexion and abduction which frequently takes place while playing the badminton and prevents rub of the rotator cuff tendon against the acromion. Rotator cuff exercises will improve shoulder function and prevent rotator cuff impingement. Shoulder rotator cuff

strengthening can be done by using various resistance devices like dumbbells, springs, therabands, barbells, weight cuffs. Therabands are being used from almost a century to do elastic resistance exercises. The elastic resistance and free weight resistance (barbells and dumbbells) have similar properties those are, 1) both provide resistance. 2) both allow free range of motion. 3) both allow different speed of movement. 4) both allow progressive resistance. Shoulder internal and external muscles are more important because those are mainly responsible for the dynamic stabilization of the glenohumeral joint. Muscle imbalance between IR and ER is the possible mechanism to shoulder injury. These muscle imbalances can be identified by the isokinetic analyzer which helps in preventing the injuries.

Aim of the study: The aim of the study is to compare the effectiveness of the theraband and dumbbell resistance training on the strength of rotator cuff muscles of the shoulder.

Objectives: 1. To test the pre and post values of peak torque of the internal and external rotators of the shoulder in the subjects of the theraband resistance training group. 2. To test the pre and post values of peak torque of the internal and external rotators of the shoulder in the subjects of dumbbell resistance training group. 3. To compare the difference between both the groups.

Study design: This is a Experimental randomized clinical trial

Sample size: 30 subjects, 15 subjects were taken into dumbbell Resistance training group and 15 subjects were taken into theraband resistance training group.

Study Centre: The study was conducted in the department of

physiotherapy at SVIMS, Tirupati, A.P, India.

Study subjects: Male recreational badminton players.

Sampling Method: Randomized sampling using lottery method.

Study duration: 6 weeks.

Methodology: After fulfilling the inclusive and exclusive criteria initially, 30 recreational badminton players with mean age between 18 to 25 years were assigned into two groups by using lottery method namely dumbbell RT group and theraband RT group, each group consisting of 15 subjects. Informed consent form was obtained from all the participants. All participants were also received verbal explanations of the exercise program and the tests prior to the commencement of the study.

The pre values of peak torque of the shoulder internal and external rotators were taken by using isokinetic analyzer. The total duration of the training for each group (dumbbell and theraband RT group) were 6 weeks, 3 days/ week, and 1 session/day and each session lasting for 40 minutes (10 minutes warm up, 25 minutes exercise protocol and 5 minutes cool down) After completion of the 6 weeks resistance training session the peak torque of shoulder internal and external rotators were re assessed by using the isokinetic analyzer.

Results: After the analysis, the results revealed significant improvement in theraband RT group than dumbbell RT group.

Conclusion: When comparing the pre and post values, the post values of the peak torque of shoulder IR and ER were improved in both the groups. However, the improvement of IR and ER was significant in theraband RT group when compared to the dumbbell RT group.

2.0 Research Projects

Apart from rendering service to the patients, the faculty are actively involved in research activities under the financial assistance of Central, State Government and private funding agencies, the details of projects on going are as follows:

2.1 Details of ongoing projects with extra mural funding agencies:

S. No.	Investigator	Funding Agency	Title of the Project	Grant of money (Rupees)
1.	Dr.Alladi Mohan, Professor & Head Dept. of Medicine.	Directorate General of Health Services, New Delhi.	Evaluation of the efficacy of thrice weekly DOTS regimen in TB pleural effusion at six months (multicenter project).	11,27,743
2.	Dr.A.Umamaheswari, Dept. of Bio-Informatics	DBT	Creation of BIF for the promotion of Biology Teaching through Bio-Informatics (BTBI) scheme of BTISnet	1,09,83,000
3.	Dr.Alladi Mohan, Dept. of Medicine	ICMR, New Delhi	A prospective Double-blind Randomized Controlled Trial (RCT) to determine the effect of Vitamin D supplementation of the development of active tuberculosis and pneumonia in HIV- infected individuals	12,52,828
4.	Dr.Usha Kalawat, Dept. of Microbiology	ICMR, New Delhi	Establishment of a network of laboratories for managing epidemics and natural calamities	2,60,29,414
5.	Dr.C.Bhuvaneswari Devi, Dept. of Biotechnology	SERB, New Delhi	Behavioural and Neurochemical alterations of manganese exposure in young and adult rats	4,00,000
6.	Dr.Alladi Mohan, Dept. of Medicine	Science & Engineering Research, New Delhi	To Study the effect of mobile phones on well being, sleep and cognitive function	25,00,000
7.	Dr.Alladi Mohan, Dept. of Medicine	ICMR, New Delhi	Impact of package of intensive smoking cewsatation interventions versus recommended, basic smoking cessation advice on outcomes in smear-smear-positive patients with pulmonary tuberculosis	6,68,923
8.	Dr.T.S.Ravikumar Director – Cum – VC SVIMS	Ministry of Science & Technology Dept. of Science & Technology, New Delhi	Development of a nanotheranostic tool for Pancreatic Cancer	1,15,000

2.2 Details of ongoing projects under Sri Balaji Arogya Vara Prasadini (SVAVP) Scheme:

Sri Balaji Aarogyavaraprasadini Scheme of SVIMS, TTD offers financial assistance partially/fully for the research carried out by the faculty, Post Graduates of modern medicine and research scholars. For the year 2018 (January – December). The details are as follows:

SBAPV Grant released for the calendar year 2018

i) For Faculty

S. No	Name	Title of the project	Grant Sanctioned Rs.
1.	Dr R. Ram Professor & HoD Nephrology	A study of insulin resistance in non diabetic chronic kidney disease patients	48,450
2.	Dr R. Ram Professor & HoD Nephrology	A study on hepatocyte growth factor in chronic renal failure patients in predialysis stage compared to patients on maintenance hemodialysis and its correlation with HSCRP, Nitric oxide and oxidative stress markers	43,200

3.	Dr V. Suresh Professor Endocrinology	Disturbed eating behaviors in patients with type 1 diabetes mellitus	2,07,750
4.	Dr R. Ram Professor & HoD Nephrology	To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas	2,12,000
5.	Dr A. Mohan Professor & HoD Medicine	Burden of drug-resistant tuberculosis in previously treated patients with pulmonary tuberculosis	1,80,000
6.	Dr T.C. Kalawat Prof. & HoD Nuclear Medicine	Utility of 18 F-FDG PET/CT in management of pancreatic and periampullary masses	11,16,000
7.	Dr T.C. Kalawat Prof. & HoD Nuclear Medicine	Role of 99m Tc SESTAMIBI SCINTI – Mammography in predicting the response in treatment naive, biopsy proven patients with locally advanced breast cancer	2,39,500
8.	Dr T.C. Kalawat Prof. & HoD Nuclear Medicine	Role of 18F-FDG PET/CT in characterizing solid renal mass lesions and treatment planning	5,40,000
9.	Dr Aparna R Bitla Professor, Biochemistry	Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus	40,650
10.	Dr V. Suresh Professor Endocrinology	Body composition and mediators of energy homeostasis in hyperthyroidism	6,80,800
11.	Dr VS. Kiranmayi Asst. Professor Biochemistry	Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism on treatment with thyroxine	1,32,000
12.	Dr N. Harini Devi Asst. Professor Biochemistry	Role of apoptosis-related biomarkers intercellular adhesion molecule-1 and plasminogen activator inhibitor 1 in benign and malignant breast carcinoma	78,300
13.	Dr Aparna R Bitla Professor, Biochemistry	Effect of rosuvastatin on the anti-atherogenic effect of high density lipoprotein in pre and post menopausal women with type 2 diabetes mellitus	3,12,300
14.	Dr D. Rajasekhar Sr. Prof. & HoD Cardiology	Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease	30,360
15.	Dr Alok Sachan Prof. & HoD Endocrinology	Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes	7,44,500
16.	Dr T. Kannan Prof. & HoD Med. Oncology	Serum procalcitonin versus CPR levels as early diagnostic markers of sepsis in cancer patients with febrile neutropenia	80,000
17.	Dr A. Y. Lakshmai Prof. & HoD Radiology	Colour Doppler ultrasound and multidetector CT angiographic study for the evaluation of arterio venous access related vascular complications in patients of chronic kidney disease	3,40,775
18.	Dr D. T. Katyarmal Assoc. Professor Medicine	A study of microalbuminuria in sepsis with reference to Acute Physiology and Chronic Health Evaluation II (APACHE II) score in patients admitted to a medical intensive care unit	1,13,625
19.	Dr H. Narendra Professor Surgical Oncology	Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients	11,30,400

ii) MD/DM/MCh Post Graduates

S. No	Name	Title of the project	Grant Sanctioned Rs..
1.	Dr N. Lakshmana Postgraduate Junior Resident in MD (Biochemistry)	Novel urinary biomarkers for early detection of diabetic nephropathy in patients with type 2 diabetes mellitus	50,000
1.	Dr Anjali Praveen Postgraduate Junior Resident in MD (Medicine)	Burden of drug-resistant tuberculosis in previously treated patients with pulmonary tuberculosis	13,410
2.	Dr M. Soumya Postgraduate Junior Resident in MD (Medicine)	Demographic characteristics, clinical presentation, risk factors and pathological types of lung cancer: a prospective study	13,410
3.	Dr Rakesh Reddy. R Postgraduate Senior Resident in DM (Neurology)	A study on association of CYP2C9 polymorphisms with phenytoin toxicity	50,000
4.	Dr G. Niveditha Postgraduate Junior Resident in MD (Medicine)	Study of burden, clinical characteristics, method of confirmation of diagnosis and treatment outcome in patients with extra pulmonary tuberculosis	13,410
5.	Dr A. Sunnesh Reddy Postgraduate Senior Resident in DM (Nephrology)	To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas	50,000
6.	Dr Keerthi Thej Mitta Postgraduate Junior Resident in MD (Biochemistry)	Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus	50,000
7.	Dr Vangara Harika Postgraduate Junior Resident in MD (Microbiology)	A study to evaluate the usefulness of rapid antigen detection in comparison to REAL TIME PCR for diagnosis of influenza virus infection in clinically suspected patients with influenza like illness in a tertiary care hospital, SVIMS, Tirupati	50,000
8.	Dr Pabpu Architha Postgraduate Junior resident in (Pathology)	Study of Immunohistochemical profile of nodal non Hodgkin Lymphoma in a tertiary care centre	50,000
9.	Dr U. Divya Sree Postgraduate Junior resident in (Pathology)	Differential expression of CK7,CK20,CDX2 in intestinal and pancreatobiliary type of periampullary carcinoma	50,000
10.	Dr Vasili Pradeep Postgraduate Junior Resident in MD (Medicine)	Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalization: a prospective study	50,000
11.	Dr N. Sai Sameera Postgraduate Senior Resident in DM (Nephrology)	A study of markers of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease patients on peritoneal dialysis	49,240

3.0 Journal of clinical and Scientific Research

Editorial Board:	Hon.Editor-in-Chief	-	Dr T.S. Ravikumar
	Exec.Editor-in-Chief	-	Dr PVLN. Srinivasa Rao

The major objectives of SVIMS 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 at postgraduate and super specialty level so as to set a high standard of Medical Education. As part of achieving this objective, the need for bringing out a peer-reviewed journals was felt.

The Journal of Clinical and Scientific Research (JCSR) was born in the year 2012. The JCSR is published quarterly, both in print and online formats and the “fee full-text” is placed in the Journal website. The journal has grown fast and attracted 479 submissions in its first seven years from across the world. Journal of Clinical and Scientific Research is indexed in CrossRef, CrossCheck, Index Copernicus, Academic Index, Open J-gate, Journal Seek, Indian Science Abstracts, Geneva Foundation for Medical Education and Research, NewJour, Academic Journals Database, Research Bible and Directory of Research Journals Indexing (DRJI).

This peer-reviewed journal promotes electronic submission and fast-track processing with submission to decision time of 3 months. This fast-track processing time and presence of free-full text online will be a boon to young researchers who wish to publish their research work. Also, no fees are charged for submission, processing and publication by the journal. Thus, JCSR encourages vibrant young faculty researchers and postgraduates to submit their work for publication in the journal. So far, 28 issues have been published. The journal gets distributed to all the Medical colleges, Medical institutions, Medical Universities, R&D 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 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 2018 (Volume 7 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 2018 are listed below:

Under “**Original Article**” Category

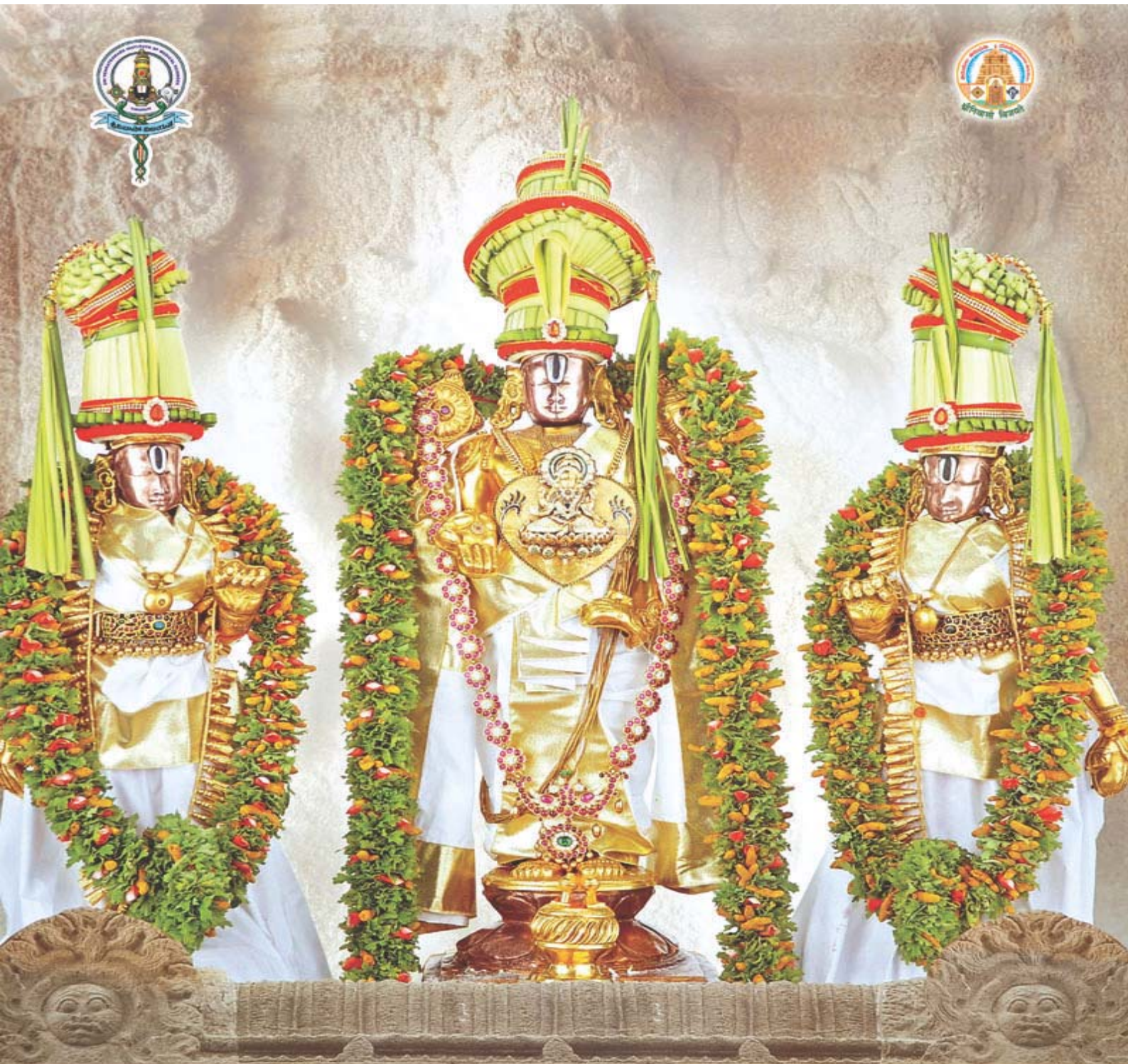
Sharma A, Vankar GK, Behere PB, Mishra KK. Does clinical posting in psychiatry change attitude towards psychiatry? A prospective study. J ClinSci Res, Volume 7 Issue 3 (July - September 2018).

Under “**Case Report**” Category

Gowrinath K, Nizami MI. Unusual presentation of bochdalek hernia in an adult. J ClinSci Res, Volume 7 Issue 2 (April - June 2018).

The authors shall be issued a merit certificate on the University Anniversary day, 26th February 2019. Hope this will stimulate the contributors to send their best work to our journal.

T.S. Ravikumar
Hon. Editor-in-Chief



VII HUMAN RESOURCE DEVELOPMENT



VII Human Resource Development

1.0 Degrees conferred

During the academic year 2017-18, 301 students successfully completed their academic programmes and were awarded degrees, diplomas during the 9th Convocation held on 01.12.2018

1.1 DM/ MCh Courses

S. No.	Name	Branch
1	Dr S. Sreeramakrishnaiah	Medical Oncology
2	Dr Kiran Kumar Kondapaka	Cardiology
3	Dr CH Narendra	Cardiology
4	Dr D. Sreenivasa Reddy	Cardiology
5	Dr Vinod Kumar Neelam	Cardiology
6	Dr Sai Krishna Chaitanya P	Endocrinology
7	Dr Sree Divya B	Endocrinology
8	Dr Praveena Voonna	Medical Oncology
9	Dr Praveen Nallamothe	Nephrology
10	Dr Sarat Chandra V	Nephrology
11	Dr Apparao Anumolu	Neurology
12	Dr B.L. Narasimha Reddy	Neurology
13	Dr P. Yeshwanth	Neurology
14	Dr Krishna Karthik K	Genito Urinary Surgery
15	Dr Prasad Pulla	
16	Dr D. Rakesh	
17	Dr S. Suresh Goud	
18	Dr MD Basheeruddin Inamdar	Surgical Oncology
19	Dr V.V. Vijaya Lakshmi	Surgical Oncology
20	Dr Nitesh Nagabalaji P	Surgical GE
21	Dr Srikanth Talluri	Neurosurgery

1.2 MD Courses

S. No.	Name	Branch
1	Dr.Bommala Sri Hari	Anaesthesiology
2	Dr.Chetana Karuturi	Anaesthesiology
3	Dr.Dyva Manogna R	Anaesthesiology
4	Dr.K. Satish Kumar	Anaesthesiology
5	Dr.Pabba Shravani	Anaesthesiology
6	Dr.Prabhu Gnapika Putta	Anaesthesiology
7	Dr.Santhi Swetha Pudhota	Anaesthesiology
8	Dr.Swami Devi Prasad Ilapandi	Anaesthesiology
9	Dr.Srikala V. S	Microbiology
10	Dr.Bhukya Sree vidya	Medicine
11	Dr.D.Neeharika	Medicine
12	Dr.G.Sindhu	Medicine
13	Dr.Rajeshwari Kyasani	Medicine
14	Dr.B Suguna	Pathology
15	Dr.Vishnu Priya B	Pathology
16	Dr.Delli Praveen Mabbu	Transfusion Medicine
17	Dr.M.Hemanth	Radiotherapy
18	Dr.M. Ravi Krishna	Radiotherapy
19	Dr.R.Ramesh Reddy	Radiotherapy
20	Dr.G.P.Venkat Choudary	Radiology
21	Dr.N.Hareesh Babu	Radiology
22	Dr.M.R.Kiran kumar	Emerg. Medicine
23	Dr.N.Ratna Kumar	Emerg. Medicine
24	Dr.R. Amrutha Lakshmi	Nuclear Medicine
25	Dr.Shaik Mehabunnisa	Nuclear Medicine

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1.3 Ph.D

S.No.	Name	Registered under	Department of study
1	M.M.Sunitha	Allied Health Sciences	Biotechnology
2	M.Sreelatha	Paramedical Sciences	Nursing
3	K.Hema	Allied Health Sciences	Bioinformatics
4	N.Pradeep	Allied Health Sciences	Bioinformatics
5	C.Usha Kiran	Paramedical Sciences	Nursing
6	M.Pallavi	Medical Sciences	Biochemistry

1.4 MSc Nursing

S.No.	Name	Branch
1	S.Jyothsna	Paediatric Nursing
2	P.Poornima	Paediatric Nursing
3	K.Rekha	Paediatric Nursing
4	N.Sireesha	Paediatric Nursing
5	A.Sravani	Paediatric Nursing
6	R.Gracy	Community Health Nursing
7	S.Hemalatha	Community Health Nursing
8	M.Mounika	Community Health Nursing
9	R.Sumithra	Community Health Nursing
10	K.Usha Rani	Community Health Nursing
11	M.Lalita Kumari	Medical - Surgical Nursing
12	B.Makarajyaothi	Medical - Surgical Nursing
13	N.Manjula	Obstetrics & Gynaecology Nursing
14	K.Shahidabee	Medical - Surgical Nursing
15	P.Shalem Raj	Medical - Surgical Nursing
16	S.Gowthami	Obstetrics & Gynaecology Nursing
17	B.Sunitha	Obstetrics & Gynaecology Nursing

1.5 Master of Physiotherapy

S.No.	Name	Branch
1	P.Bindhu	Cardiovascular & Pulmonary
2	C.Prasad	Cardiovascular & Pulmonary
3	K.Swapna Kumari	Cardiovascular & Pulmonary
4	P.Hema	Neurology
5	D.Jalaja	Neurology
6	P.Vijaya Kiranmai	Neurology
7	S.Saddam Hussain	Orthopaedics
8	T.Triveni	Orthopaedics
9	A.Yamuna	Orthopaedics
10	B.C.Vengaiah	Sports
11	J. Jessie Kamal	Sports
12	P.Vaishnavi	Sports

1.6 MSc Medical Courses

S.No.	Name	Branch
1	K.Priyanka	Anatomy
2	N.Sreedevi	Anatomy
3	B.Hymavathi	Biochemistry
4	G.Nimeesha	Biochemistry
5	P.Santosh Kumar	Biochemistry
6	E.Mohanlal	Microbiology
7	V.Lavanya	Microbiology
8	S.Nagaraju	Microbiology
9	P.Kanakayya	Physiology
10	E.Harsha Vardhan Naik	Physiology
11	T.Pushpalatha	Physiology

1.7 MSc Courses

S.No.	Name	Branch
1	T.Indhumala	Biotechnology
2	P.Jhansi	Biotechnology
3	R.Jeevitha	Biotechnology
4	G.M.Kiranmai	Biotechnology
5	B.Mohammed Shareef	Biotechnology
6	K.Parasuram	Biotechnology
7	K.Rohil Kumar	Biotechnology
8	R.Sreelakshmi Nair	Biotechnology
9	M.Umamaheswari	Biotechnology
10	D.Venkata Surendra	Biotechnology
11	K.Yogitha Iyer	Biotechnology
12	P.Bhuvaneswari	Bioinformatics
13	P.Parvathi Priyanka	Bioinformatics
14	S.Sri Harsha	Bioinformatics

1.8 B.Sc Nursing

S.No.	Name	S.No.	Name	S.No.	Name
1	S.Purna	27	B.Johnson	53	S.Nirosha
2	N.Sukanya	28	T.Kalyani	54	M.Padmavathy
3	M.Evanjilin	29	G.Kamalbee	55	M.Parvathi
4	V.Lavanya	30	P.Kanaka Durga Vani	56	V.Poojitha
5	V.Anand Kiran	31	B.Kavitha	57	D.Prashanth Naik
6	S.Aneesha	32	P.Kavitha	58	B.Preethi
7	M.Anitha	33	B.Keerthipriya	59	B.Premalatha
8	G.Anuradha	34	K.Kinnera	60	T.Punyavathi
9	N.Anusha	35	Y.Kusumanjali	61	K.Rajesh
10	P.Aritha	36	A.Lakshmi Prasanna	62	V.Rajeswari
11	S.Ayesha	37	U.Lalithamma	63	V.Ramya
12	R.Chaithanya	38	J.Lavanya	64	C.Ramyakrishna
13	N.Chandu	39	V.Leelavathi	65	G.Ravali
14	B.Chithra	40	S.Mahesh	66	P.Raviteja
15	P.Divya Bharathi	41	V.Mahesh	67	K.Reshma
16	M.Divya	42	G.Mamatha	68	P.Saherabanu
17	M.Divya Rajeswari	43	K.Mounika	69	B.Sai Leela
18	K.Durga Devi	44	M.Mounika	70	P.Sai Mounika
19	D.Ganga Devi	45	N.R.Mounika	71	G.Sai Niharika
20	B.Geetha	46	S.Muzeer Ahmed	72	V.Sameera
21	T.Geetha	47	A.Naga Praneetha	73	K.Sandhya
22	P.Goda Devi	48	P.Nagajyothi	74	M.Sandhya
23	S.Gowthami	49	P.Nagasumathi	75	E.Saritha
24	J.Hymavathi	50	R.Nagaveni	76	P.Sasikumari
25	P.Hymavathi	51	L.Naseema	77	S.Sharon Jessy
26	P.Indraja	52	P.Naveen Kumar	78	I.Shobha

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S.No.	Name	S.No.	Name	S.No.	Name
79	D.Sindhu	84	K.Vamsi	89	G.Vijayalakshmi
80	V.Sowmya	85	K.Vamsi Krishna	90	U.Viswanath Bodhi
81	M.Sulochana	86	B.Varalakshmi	91	P.Yamini
82	G.Sumalatha	87	B.Vasantha	92	O.Yasmeen
83	S.Urmila	88	S.Vennela		

1.9 Bachelor of Physiotherapy

S.No.	Name	S.No.	Name	S.No.	Name
1	V.Lidiya	18	S.Mohammad Ali	35	G.V.Sumithra
2	B. Roopa Yadav	19	K.Navya charitha	36	B.Sunil Naik
3	B.Adil	20	M.Niharika	37	M.Susmitha
4	K.Astritha	21	B.Niranjana	38	M.G.Thanooja
5	S.Balaji	22	K.N.Vishnu Saisree	39	Y.Tanuja
6	C.Deepika	23	A.Pavan Kumar	40	B.Ujwala
7	B.Devika	24	P.Ramya Yadav	41	T.Venkata Sridhar
8	M.Gayathri	25	P.Reddemma	42	K.Venusudha
9	R.Geervani	26	D.Sai Mahendra Raghuveer	43	P.Devi Priya
10	M.Geethika	27	M.Satheesh	44	D.Hema
11	M.Gouthami	28	P.S.S.Aparna	45	B.Lavanya
12	B.Janaki Lakshmi	29	S.Shajida	46	N.Priyanka
13	L.Jayaprakash	30	A.Sharan Kumar	47	P.Sai Nithisha
14	G.Joel Gnanaprakasam	31	P.Sindhura	48	N.Sai Laxmi
15	S.Karishma kousar	32	Y.Sravani	49	K.Niharika
16	N.Kumari Gayathri	33	M.Sravya	50	M.Priyanka
17	V.Meena	34	C.Srinivas	51	P.Swaroop

1.10 BSc Allied Health Sciences (Paramedical) (4 years)

S.No.	Name	Branch	S.No.	Name	Branch
1	V.Chandana	ECG & CVT	8	G.Madhuri	DT
2	A.Chandini	ECG & CVT	9	G.Mukesh	DT
3	G.Chandrakanth	ECG & CVT	10	S.Riyaz	DT
4	K.Janaki Ramaraju	ECG & CVT	11	M.Venkata Lakshmi	DT
5	P.Kavya	ECG & CVT	12	C.Yamini	DT
6	B.Ramya	ECG & CVT	13	P.Siva Kumar	DT
7	S.Afreen	DT	14	G.Kousalya	NMT

1.11 BSc Allied Health Sciences (Paramedical) (3 years)

S.No.	Name	Branch	S.No.	Name	Branch
1	Bukke.Divya	MLT	3	G.Praveena	MLT
2	U.Shankara	MLT	4	T.Pavithra	MLT

1.12 PG Diploma in Paramedical Technical courses

S.No.	Name	Branch	S.No.	Name	Branch
1	R Adilakshmi	MRS	9	P.Aruna	DT
2	G Anil Kumar	MRS	10	Y.Chandrakala	DT
3	R Mary	MRS	11	Gajendra Naik	DT
4	B Prasad Naidu	MRS	12	M.Muni Mahesh	DT
5	N Rameswaramma	MRS	13	M.Rajasekhar	DT
6	M Ravi Babu	MRS	14	V.Rajasekhar	DT
7	B Vani	MRS	15	V.Sreekanth	DT
8	R Varalakshmi	MRS	16	P.Vinay Kumar	DT

1.13 Post Basic Diploma in Nursing

S.No.	Name	Branch	S.No.	Name	Branch
1	B Radhika	C.T. Surgery	8	Patan Sadiq Khan	Cardiac intensive care and catheterization laboratory nursing
2	Kadavakollu Sainadh	-do-			
3	T. Rajeswari	-do-			
4	K.Preethi	-do-			
5	Yerla Bharath Kumar	-do-	9	T. Chandranna	-do-
6	Kalluri Balaji	Cardiac intensive care and catheterization laboratory nursing	10	Vutukuru Pavithra	Peritoneal Dialysis
			11	Surati Siva Jyothi	Haemo Dialysis
			12	Kanchi Manjumatha	-do-
			13	Kallathuru Mohan Babu	Renal Transplantation
7	Neelapuram Afrin	-do-	14	Thupalli Avinash	-do-

1.15 Diploma in Radiotherapy Technology

S.No.	Name
1	M.Chaitanya
2	M. Aruna
3	J.Neelima
4	K.Vamsi

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1.15 National Academic Depository (NAD)

The institute is on its way to digitalize the degree certificates of all courses and also sharing the marks data of all students in the web portal developed by Andhra Pradesh State Government.

NAD is an online store house of Academic awards (degree/diploma/certificates etc) lodged by the Academic Institutions in a digital format. As per the UGC guidelines the SVIMS has entered in Service Level Agreement (SLA) with NSDL, one of the Depositories for on boarding on NAD. A separate NAD cell was set up with Controller of Examination as Nodal Officer. The digitalization of Convocation degrees pertaining to the year 2017 was completed and 2018 is under process.

1.16 Sharing of Marks Data in “JNANABHUMI” Website

The Government of Andhra Pradesh has launched a smart Web portal named “Jnanabhumi” in 2017 for integrated delivery of services relating to Education and Scholarships.

It is mandatory for all academic institutions to onboard/ implement the modules/services in “Jnanabhumi”.

As per the Government orders, SVIMS university is also uploading the marks data of the students of all courses w.e.f.2017-18, immediately after declaration of results of semester/end of academic year to facilitate the release of scholarships by the Social Welfare Department, Government of Andhra Pradesh.

2.0 Training to the students of other institutions

The students from other institutions for specialty training will be accepted for short-term training for varying periods (up to 04 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 2018, 821 students from various institutes have undergone training. The details are as follows.

2.1 DM Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
1	Dr B. Karthikeyan	Nephrology	Govt. Stanley Medical College, Chennai	03-31 December 2018	Nephrology
2	Dr S. Murugesh Anand				
3	Dr G Gowtham				

2.2 MD Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
4	Dr D Bhavya	Pathology	Siddhartha Medical College, Vijayawada	1 st February - 30 th April 2018	Pathology
5	Dr E.B Mohan Krishna	Anaesthesia	S.V. Medical College, Tirupati	1 st December 2017- 1 st January 2018	CTVS Respiratory ICU
6	Dr K. Sudheer	Anaesthesia	S.V. Medical College, Tirupati	1 st February- 1 st March 2018	Respiratory ICU CTVS
7 8 9 10 11 12 13	Dr M.N. Karthikeyan Dr Rajasekhara Swaroop Dr K Jayavardhan Reddy Dr M. Mounika Dr K. Poornima Dr G. Indraj Dr K. Y. Manisha	General Medicine	Kurnool Medical College, Kurnool	1 st June – 31 st July 2018	Neurology Medical Oncology Endocrinology Cardiology

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14	Dr M. Sumalatha	General Medicine	Kurnool Medical College, Kurnool	1st August-30 th September 2018	Neurology Medical Oncology Cardiology Endocrinology
15	Dr P. Sony				
16	Dr K. Soundarya				
17	Dr A. Saleem				
18	Dr K. Sanjay				
19	Dr A Mohammed Rafi				
20	Dr P. Vidyadhar				
21	Dr SK Fairoz	General Medicine	RIMS, Kadapa	1 st September - November 2018	Cardiology Neurology Endocrinology Nephrology
22	Dr M Gopi Krishna	General Medicine	Kurnool Medical College, Kurnool	1 st October – 30 November 2018	Neurology Medical Oncology Cardiology Endocrinology
23	Dr M. Anusha				
24	Dr M. Vishnu Vardhan				
25	Dr P. Indu Rekha				
26	Dr L. Sankar Naren				
27	Dr K. Valli Basha				
28	Dr K. Praveen Kumar	Psychiatry	S.V. Medical College, Tirupati	1 st November – 31 December 2018	Neurology
29	Dr V. Sai Krishna				
30	Dr Ravi Kumar				
31	Dr K. Padma Theja	General Medicine	RIMS, Kadapa	1 st November – 31 st January 2019	Nephrology Endocrinology Neurology Cardiology
32	Dr U. Sangeetha				
33	Dr M. Anusha				
34	Dr U. Lakshmi Narayana	General Medicine	Santhiram Medical College, Nandyal	6 th November - 31 st December 2018	Cardiology Neurology
35	Dr K. Hanuma Kumar				

2.3 MS Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
36	Dr P. Venkata Muni Reddy	ENT	Chalmeda Anand Rao Institute of Medical Sciences, Karimnagar	6 th January - 5 th February 2018	Surgical Oncology
37	Dr V. Sreeramaraju	General Surgery	S.V. Medical College, Tirupati	01 st March – 31 st May 2018	C T Surgery Surgical GE Surgical Oncology
38	Dr N. Tharaka Mourya				
39	Dr Charishma				
40	Dr Suman babu				
41	Dr Vasudha				
42	Dr Geethika				
43	Dr Sridhar				
44	Dr Prasanna Lakshmi				
45	Dr Mahesh				
46	Dr Madhu Sekhar	General Surgery	S.V. Medical College, Tirupati	01 st June - 15 th Aug 2018	CT Surgery Surgical GE General Surgery
47	Dr Praveena				
48	Dr Bharathi				
49	Dr Bhargavi				
50	Dr Deepthi				

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51	Dr Sukanya				
52	Dr Sahithi Priya				
53	Dr Sireesha Rani				
54	Dr Prasanth				
55	Dr Rama	OBG	S.V. Medical College, Tirupati	01 st August - 31 st August 2018	Radiotherapy Surgical Oncology Endocrinology
56	Dr Vinobha				
57	Dr Kavya				
58	Dr Fathima				
59	Dr Rishitha				
60	Dr Vasantha Lakhshmi				
61	Dr Kanaka Maha Lakshmi				
62	Dr AP. Bhanu Teja	General Surgery	S.V. Medical College, Tirupati	01 st August - 30 th September 2018	Surgical Oncology CT Surgery Surgical GE
63	Dr L. Sireesha	General Surgery	Siddartha Medical College, Vijayawada	01 st September - 30 th November 2018	Surgical Oncology CT Surgery Urology Surgical GE
64	Dr M. Anuhya				
65	Dr Muni Theja				
66	Dr C. Roja	OBG	S.V. Medical College, Tirupati	01-30 th November 2018	Radiotherapy Surgical Oncology Endocrinology
67	Dr M. Revathi				
68	Dr T.M. Geetha Vani				
69	Dr S. Sandhya				
70	Dr J. Naga veena				
71	Dr P.D. Sangeetha				
72	Dr B. Swetha				
73	Dr Pooja Rayala	General Surgery	ASRAM, Eluru	01 st September – 31 st October 2018	Surgical GE
74	Dr Jannu Mounica				
75	Dr B Yaswanth Kumar				
76	Dr V Ram Kishore				
77	Dr G. Govind				
78	Dr K. Sunil				
79	Dr S. Balaji	General Surgery	PESIMSR, Kuppam	01 st -September – 31 st October 2018	Surgical Oncology CT Surgery
80	Dr G. Nanditha				
81	Dr Srujan Kumar				
82	Dr Kailash J				
83	Dr Sushanth Kumar				
84	Dr Pooja Reddy				
85	Dr Mounica Ram				
86	Dr B. Praneeth				
87	Dr Shiva Kumar				
88	Dr Jagadeshwar				
89	Dr Anirudh suseel				
90	Dr Keerthi				
91	Dr Surya Narayana	General Surgery	Santhiram Medical College, Nandyal	06 th Nov -2018– 05 th January 2019	Surgical Oncology Surgical GE

2.4 PG Diploma Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
92	Dr Dileep Chakravarthy	Diploma psychiatry (DPM)	S.V. Medical College, Tirupati	01-30 November 2018	Neurology
93	Dr A. Siva Mourya Gupta	Pulmonary Medicine (DTCD)	S.V. Medical College, Tirupati	01-30 September 2018	Cardiology Radiology

2.5 MDS courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
94 95 96	Dr Bestha Usharani Dr Pasupuleti Anitha Dr T. Vedatrayi	MDS (Oral & Maxillo Facial Surgery)	Government Dental College, RIMS, Kadapa	February 2018	Surgical Oncology
97 98 99	Dr M.Radha Priya Dr K.Krishna Lohitha Dr Vinay Kumar	Oral & Maxillo Facial Pathology	CKS Teja Institute of Dental Sciences Tirupati	26 th July – 21 st January 2019	Ophthalmology General Surgery Radiation Oncology Medicine Neurosurgery Plastic Surgery
100	Dr N.Nirupama	Oral & Maxillo Facial Surgery	CKS Teja Institute of Dental Sciences Tirupati	26 th July - 26 th November 2018	Pathology Microbiology Dermatology Forensic Medicine
101 102	Dr P. Nagajyothi Dr M. Yamini	Oral Medicine & Radiology	CKS Teja Institute of Dental Sciences Tirupati	26 th July – 21 st January 2019	Radiology General Medicine Radiation Oncology Emergency Medicine ENT Dermatology
103 104 105	Dr S. Sumanth Dr T. Ramu Dr A Mercyhannah rose	MDS (Oral & Maxillo Facial Surgery)	Government Dental College, RIMS, Kadapa	15 th December- 14 January 2019	Surgical Oncology

2.6 MBBS

Sl No	Name	Institution	Period of Posting	Place of Posting
106	P. Sreekar Reddy	Kasturba Medical College, Manipal	18 th January - 14 th February 2018	Medicine

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2.7 Pharmacy Courses

S. No	Name	Course	Institution	Period of Posting	Place of Posting
107 108 109	Ms. G.Delli Rani Ms. M. Noya Ms. M. Jyoshna	D. Pharmacy	SV Govt. Polytechnic, Tirupati	1 st May - 31 st August 2018	Pharmacy stores
110 111 112	Ms. MP. Vidyavathi Ms. T.Sahitya Ms.M.Vyshnavi	D. Pharmacy	S.P.W. Polytechnic, Tirupati	1 st May - 31 st August 2018	Pharmacy stores
113 114	Ms. J. Delhi Prassanna Ms. N. Shilpa Chaithanya	Diploma in BME	SV Govt. Polytechnic, Tirupati	1 st May - 31 st October 2018	Biomedical Engineering

Pharm D Courses (S.No. 115 to 349)

The 2nd year (30 Nos.), 3rd year (29 Nos.) students of Pharm D, Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dist. were permitted for specialty training in the Dept. of Medicine, General Surgery, Pediatrics and Dermatology w.e.f. 1st October to 31st December, 2018.

The 2nd year (04 Nos.) students of Pharm D (PB), Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dist. were permitted for specialty training in the Dept. of Medicine, General Surgery, Pediatrics and Dermatology w.e.f. 20th August to 19th February, 2019

The 2nd year (30 Nos.), 3rd year (30 Nos.), 4th year (27 Nos.) and 5th year (28 Nos.) students of Pharm D course, Seven Hills College of Pharmacy, Venkataramapuram, Tirupati were permitted for specialty training in the Dept. of Medicine, General Surgery, psychiatry, Obstetrics & Gynecology and Dermatology w.e.f. 15th June 2018 to 31st December, 2018.

The 2nd year (4 Nos.), students of Pharm D (PB) course, Seven Hills College of Pharmacy, Tirupati were permitted for specialty training in the Dept. of Medicine, General Surgery, psychiatry, Obstetrics & Gynecology and Dermatology w.e.f. 1st to 31st November, 2018.

The 5th year (26 Nos.) students of Pharm D Course, Krishna Teja Pharmacy College, Tirupati were permitted for specialty training in the Dept. of Medicine, Nephrology, Cardiology, Endocrinology & Medical Oncology w.e.f. 27th August 2018 to 26th January, 2019.

The 4th year (27 Nos.) students of Pharm D Course, Krishna Teja Pharmacy College, Renigunta Road, Tirupati were permitted for specialty training in the Dept. of Medicine, OBG, Psychiatry, General Surgery w.e.f. 12th November 2018 to 11th December, 2019.

The following Internship (6th year) students (31 Nos.) of Pharm D, Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dist. were permitted for Internship in the Dept. of Dermatology, Pediatrics, OBG, Psychiatry, General Surgery Orthopedics & Medicine w.e.f. 5th March 2018 to 4th March, 2019.

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S.No.	Name	S.No.	Name	S.No.	Name
350	M. Akhila	361	Chelapalli Likitha	372	Dudekula Shaikr
351	J Amulya	362	T Mahendra Reddy	373	T M Shalini
352	L. Bhargavi	363	K Mounika Sai	374	P Shalu Reddy
353	N. Devipriya	364	Mounika	375	Vanjavakam Sree Lakshmi
354	Badimelagayathri	365	Leburu Muni Taraknath	376	J Srujana
355	Lhaindhavi	366	Sirisetty Nagamani	377	Tithala Suneetha
356	Poralaharika	367	Makani Pavan Kumar	378	Mulinti Tejaswini
357	Kavuluri Haritha	368	Guna Sekhar Priya Darshini	379	Edagotti Uma Maheswari
358	D Harshitha	369	B Roshitha	380	S. Siva Prasad
359	Pudijayasri	370	Saijyothichandana		
360	Sk Khaja Shanawaz Basha	371	Cherukuthota Sai Lahari		

The following Internship (6th year) students (30 Nos.) of Pharm D course, Seven Hills College of Pharmacy, 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. 5th April 2018 to 31st March, 2019.

S.No.	Name	S.No.	Name	S.No.	Name
381	Talari Sunanda	391	MD. Priyanka	401	B.Sandeepkumar Naik
382	B.Shareef	392	Y. Mounika	402	A. Narasimhulu
383	M.Venu	393	K. Mansekhar	403	T. Sankar Reedy
384	T.Maduri	394	S. Chethana	404	S. Manusha
385	M. Nagarjuna	395	S. Disha Rani	405	P. Sarvani
386	SM. Kokila	396	G. Roopsai	406	D. Roopa
387	M. Neeraja	397	A. Navitha	407	N. Pavan Kumar
388	M.Poojitha	398	G. Sowjanya	408	G. Jaya Deep Sundar
389	M. Chandu	399	G. Nagarjuna	409	S.Thazammul Ferdous
390	K. Chandana	400	KS Haniefa	410	N. Lakshmi Likitha Reedy

The following Internship (6th year) students (21 Nos) of Pharm D course, Krishna Teja College of Pharmacy, Tirupati were permitted for Internship in the Dept. of ENT, Dermatology, Paediatrics, Cardiology, Radiation Oncology, Pharmacy, Emergency Medicine, Nephrology, Endocrinology, Medical Oncology and Medicine w.e.f. 5th April 2018 to 31st March, 2019.

S.No.	Name	S.No.	Name	S.No.	Name
411	B. Deepika Reddy	419	KR Madhuri	427	Sandra Madhuri
412	C Anil Kumar	420	Kunda Sireesha	428	Sure Sathish Kumar
413	Chandragiri Sonika	421	Kutluru Tirumalesh	429	Syed Irfanaliahmed
414	Duvuru Revathi	422	M Nirmala	430	G.Divya
415	Joseph Naveen Kumar	423	Madasu Lasya	431	K.Renu Priyanka
416	K Indraja	424	N Mahesh Kalyan Chakravarthi	432	P.M.Rajitha
417	K Meena	425	Puthan Purayil Ladhida		
418	Kailasam Gayathri	426	S P Srinivas Naik		

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2.8 BSc (N) (Sl.No.433 to 709)

The 3rd year students of B.Sc (N) (31 Nos.) Sri Vidyaniketan College of Nursing, Rangampet, Chittoor Dist. were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology, Radiation Oncology for a period of one (01) month w.e.f. 01st – 31st March 2018.

The 3rd year students of B.Sc (N) (99 Nos.) Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology, Radiation Oncology, for a period of two (2) months w.e.f. 25th June to 04th August 2018.

The 3rd year GNM(22 Nos.), 3rd year B.Sc (N) (26 Nos.) & IV year (33 Nos.) students of Sri Padmavathi Mahila Visva Vidyalayam, Tirupati were permitted for specialty training in various departments for a period of One (01) month w.e.f. 05th July to 31st August 2018.

The 1st year B.Sc (N) (37 Nos.), 2nd year B.Sc (N) (29 Nos.) students of Sri Padmavathi Mahila Visva Vidyalayam, Tirupati were permitted for specialty training in the various departments for a period of One (01) month w.e.f. 01st - 31st August 2018.

2.9 Alternative Medicine

S. No	Name	Course	Institution	Period of Posting	Place of Posting
710	Dr M. Reddeppa	Shalya (Ayurveda Surgery)	S.V. Ayurvedic College, Tirupati	15th January – 14th March 2018	Gen. Surgery
711	Dr M Bhadraiah			02nd July – 01 September 2018	
712	Dr A. Jaya Krishna			01st September- 31st October 2018	
713	Dr V.S. Sai Chandana			01st November- 31st December 2018	
714	Dr B. Praveen Kumar				
715	Dr P. Siva Parvathi				
716	Dr Habeebulla Shaik				
717	Dr P. Tharaka Ram				

The following Internship students of BAMS Course, S.V Ayurvedic College, Tirupati were permitted for specialty training in the Dept. of Emergency Medicine & General Surgery for a period of ten days in each specialty during 1st January to 30th June 2018.

S.No.	Name	S.No.	Name	S.No.	Name
718	Dr Y. Likhitha	725	Dr G. Lalitha	732	Dr Gayathri Devi
719	Dr CH.V. Sravani	726	Dr A. Gnanasudha	733	Dr A. Kavya varma
720	Dr CV. Charishma	727	Dr Y. Annapurneswari	734	Dr Dr N. Rathanaamma
721	Dr B. Sowjanya	728	Dr S. Tejadappa	735	Dr B Prathima
722	Dr L.K. Virajitha	729	Dr M. Swetha	736	Dr G. Sai Gouthami
723	Dr K. Lokasai kiriti	730	Dr A. Devendra Naidu	737	Dr K. Lakshmi Reshma
724	Dr S.N. Yoga Nagendra	731	Dr M.S. Bindu Priyanka		

The following Internship students of BAMS Course, S.V Ayurvedic College, Tirupati were permitted for specialty training in the Dept. of Emergency Medicine & General Surgery for a period of ten days in each specialty during 1st June to 31st December 2018.

S.No.	Name	S.No.	Name	S.No.	Name
738	Dr J. Kanthi Sri	744	Dr T. Satish Kumar	750	Dr K. Indu Mythri
739	Dr C. Uday Kumar	745	Dr B. Tejaswi	751	Dr K. Poornima Devi
740	Dr P. Sirisha	746	Dr S. Rizwana bee	752	Dr G. Sai Sireesha
741	Dr P. Swathi Neelima	747	Dr N.V. Sree Chandana	753	Dr K. Sai Bhavya
742	Dr K. Swami Konda	748	Dr Venkata Phaneendra		
743	Dr U. Sai Krishna	749	Dr G. Vinay Kumar		

2.10 PhD, Paramedical, Life Sciences

S. No	Name	Course	Institution	Period of Posting	Place of Posting
754	Dr. T.Venkata Sai Kumar	Asst. Prof.	College of Veterinary Science, SVVU Proddatur	1st February – 28th February 2018	Biotechnology
755 756 757	Ms. A. Keerthi Prasana Ms. Krupa Bai Ms. M. Kavya	B.Sc (ASLP)	AYJNISHD Secunderabad	1st January 2018 – 28th February 2018	Neurology
758	Ms. Y.Mrunalini	M.Sc Biotechnology	SPMVV, Tirupati	21st January - 21st February 2018	Biotechnology
759 760 761 762 763 764 765 766	Ms. M. Sushmitha Ms. M. Mamatha Mr.B. Suranna Ms. Y. Ramathulasi Mr.D. Peddaiah Mr.B. Vamsi Krishna Ms. M. Vanajakshi Mr.M. Naresh	MSW	SVU, Tirupati	1st January – 30th April 2018	Medical Oncology Radiation Oncology Surgical oncology
767 768	Mr. D. Anil Kumar Ms. D. Divya	M.Pharm	Sri Padmavathi School of Pharmacy, Tirupati	15th February – 14th March 2018	Biotechnology
769	Ms. Keerthi Prasanna	B.Sc (ASLP)	AYJNIHH Secunderabad	1st January – 28th February 2018	Neurology
770 771	Ms. Meenu Raj Ms. M. Sharmila	B.Sc (ASLP)	AYJNIHH Secunderabad	1st March – 30th February 2018	Neurology
772	Mr. Babji	B.Sc. DT	Madras Medical College, Chennai	16th -31st May 2018	Nephrology
773	Mr. Sai Gundupalli	Pre Medicine	University of Texas	18th May – 4th June 2018	Neurology, Neurosurgery Dr.NTRVSS, MRD & AD O/o Director, SVIMS
774	Mr. Sanjaiyan	B.Tech (Bio technology)	SRM Institute of Science and Technology, Chennai	14th June 2018	Biotechnology
775 776 777	Ms. Bhuvaneswari Ms. V.Pavitra Ms. B. Vahini	MA (M.SW)	SPMVV, TPT	01st June 2018 – 30th March 2019	M.S.W
778 779	Ms. P. Jothirmai Ms. D. Swapana	B.Sc (ASLP)	AYJNIHH (SRC), Secunderabad	1st July – 31st August, 2018	Neurology
780	Mr.M. Harshavarden	B.Tech. (BME)	Bharath Institute Higher Education & Research, Chennai	21st July - 10th August 2018	Bio Medical Engineering

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781	Mr. T.Praneeth Krishna	Pre Medicine	University of Maryland	16th,17th July2018	Neurology Neurosurgery
782	Mr. Murali Rayapati	M.Sc Biotechnology	Koneru Lakshmaiah Education Foundation, Guntur	1st October 2018 – 31st March2019	Biotechnology
783 784	Ms. P.V. Smruthi Ms. B. Ramya	B.Sc (ASLP)	AYJNIHH (SRC) Secunderabad	1st November – 31st December 2018	Neurology
785	Ms. K. Parinitha	B.Tech. (BME)	Rajalakshmi Eng. College, Chennai	22nd November – 20th December 2018	Bio Medical Engineering
786	Ms. M. Sindhu	M.Sc Biotechnology	Sri Padmavathi Mahila Visva Vidyalayam, Tirupati	1st December 2018- 31st March- 2019	Biotechnology

The III Semester students of M.Sc Animal Biotechnology Course, SV University, Tirupati were permitted to visit the Biotechnology Department on 31st October 2018. The students permitted for training are:

S.No.	Name	S.No.	Name	S.No.	Name
787	S. Akhil Ansari	798	G.Khadar Vali	809	M. Sivakumar
788	P. Aruna	799	A. Krishma	810	P. Sreeja
789	G.Daniel	800	G.Krishnamurthy	811	O.Sumanjali
790	M.Dathaveda Naidu	801	G.Lakshmi	812	P. Supriya
791	V.Delhi Prasad	802	P. Leelavathi	813	N. Sushma
792	T.Dharma Teja	803	K. Nandini	814	R. Varaprasad
793	G.Gopi	804	M. Rebekah Florence	815	V. Viharika
794	N. Jagan Mohan Reddy	805	V.R. Gunasekhar	816	A. Vijayalakshmi
795	S. Jayasree	806	G.Sahitya	817	S. Vishnu Jayasree
796	J. Jayasree	807	M.Satyavathi		
797	S. Karishna Yasmin	808	C.Shayam Lohit Reddy		

The 1st Year students of M.Sc Nursing Course, Sri Padmavathamma Govt. College of Nursing, SVRRGGH, Tirupati were permitted for clinical training in the Depts. of Cardiology & C.T. Surgery for a period of 3 months w.e.f. 16th May to 17th September 2018.

S.No.	Name	S.No.	Name
818	Ms. Bindu	820	Ms. Naga Jyothi
819	Ms. Joshna	821	Ms. Rama Devi

3.0 Establishment Section

The Establishment Section (HR Department) in SVIMS deals with the employees of SVIMS i.e. recruitment, maintaining services registers, salary processing and disbursement, leave sanction, issue of periodical annual increments, declaration of probation, promotions, automatic advancement scheme, Leave travel concession, educational reimbursement, medical reimbursement, representation of institute by faculty in academic assemblies national, representation of institute by faculty in academic assemblies – dealings of internal grievances and complaints, disciplinary action, pension, income tax, EPF, loans under GPF, EPF loans / withdrawals, retirement, welfare measures, centralized institute tapal (inward and outward), centralized dispatch (postal), permanent advance and record maintenance.

Employee Statistics

Faculty (Medical) – Regular & Adhoc

S.No.	Cadre	Male	Female	Total
1	Senior Professor	03	01	04
2	Professor	31	05	36
3	Additional Professor	01	-	01
4	Associate Professor	29	07	36
5	Assistant Professor	44	40	84
6	Chief Medical Officer (SAG)	01	-	01
7	Chief Medical Officer (NFSG)	01	01	02
8	Senior Medical Officer	04	01	05
9	Medical Officer (RMO i/c)	01	-	01
	TOTAL	115	55	170

Faculty on compulsory service

S.No.	Cadre	Male	Female	Total
1	Lecturer/Resident Specialist	10	13	23
2	Asst. Prof/Resident Super Specialist	12	02	14
	TOTAL	22	15	37

Residents

S.No.	Cadre	Male	Female	Total
1	PG Junior Residents (MD)	46	48	94
2	Non-PG Junior Residents	19	23	42
3	PG Senior Residents (DM/MCh/PDF)	56	14	70
4	Non-PG Senior Residents	07	10	17
	TOTAL	128	95	223

Non-Faculty - Regular

S.No.	Cadre	Male	Female	Total
1	Office Cadre	24	15	39
2	Ministerial Staff	27	07	34
3	Paramedical Staff	68	52	120
4	Nursing Staff	01	119	120
5	University Staff	06	24	30
	TOTAL	126	217	343

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Non Faculty - Adhoc

S.No.	Cadre	Male	Female	Total
1	Staff Nurse	-	62	62
2	Teaching Assistant	01	-	01
3	Physical Director	01	-	01
4	Bio-statistician cum Research co-ordinator	01	-	01
5	Tutors	-	02	02
6	O.T. Assistant	02	01	03
7	Perfusionist	-	01	01
8	Lab Technician	-	01	01
9	House Keeper	-	01	01
10	Security Officer	03	-	03
11	Medical Physicist	02	-	02
12	Public Health Nurse	01	-	01
13	Network Administrator	01	-	01
14	Ophthalmic Assistant	01	-	01
15	Radio pharmacist	-	01	01
16	Librarian	01	-	01
17	Chartered Accountant (Inter)	-	02	02
18	Auditor	01	-	01
	TOTAL	15	71	86

The following Faculty were joined on Regular basis during the year 2018

S.No.	Name of the candidate	Department	Designation
1.	Dr K.Nagaraj	Community Medicine	Professor
2.	Dr C. Sreekanth	Anatomy	Associate Professor
3.	Dr D.S.Madhu babu	Dentistry	Associate Professor
4.	Dr B.Hari prasad	General Surgery	Associate Professor
5.	Dr Puneeth patak Nagaram	Paediatrics	Associate Professor
6.	Dr N.Sharvani	Physiology	Associate Professor
7.	Dr C.V. Praveen Kumar Reddy	Plastic Surgery	Associate Professor
8.	Dr R. Sridevi	Anaesthesia	Assistant Professor
9.	Dr V.S.Kiranmayi	Biochemistry	Assistant Professor
10.	Dr M. Kusuma kumari	Biochemistry	Assistant Professor
11.	Dr G. Visweswara rao	Community Medicine	Assistant Professor
12.	Dr V.Chandrasekhar	Community Medicine	Assistant Professor
13.	Dr T.V.D.Prathyusha	Community Medicine	Assistant Professor
14.	Dr B.Ramakrishna	General Surgery	Assistant Professor
15.	Dr T.Hema Chandra	General Surgery	Assistant Professor

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16.	Dr V.Manolasya	Medicine	Assistant Professor
17.	Dr V.Sameeraja	Medicine	Assistant Professor
18.	Dr K.V.Bhargav	Medicine	Assistant Professor
19.	Dr V.Arun raja	Medicine	Assistant Professor
20.	Dr K.Swathi	Ophthalmology	Assistant Professor
21.	Dr V.Siva kumar	Pathology	Assistant Professor
22.	Dr B.Deepthi	Pathology	Assistant Professor
23.	Dr G.Sunil naik	Physiology	Assistant Professor
24.	Dr. B.Rupesh Kumar Naik	Forensic Medicine	Assistant Professor
25.	Dr S.Shameem	Anaesthesia	Assistant Professor
26.	Dr B.Suresh kumar	Blood bank	Assistant Professor
27.	Dr I.S.Chaithanya kumar	Blood bank	Assistant Professor
28.	Dr D.Bhargavi	Medical Oncology	Assistant Professor
29.	Dr Venkata Naveen Prasad	Neurology	Assistant Professor
30.	Dr V.Niranjan	Neurosurgery	Assistant Professor
31.	Dr K.Sirisha	Rheumatology	Assistant Professor
32.	Dr B.Srinivasa rao	Radiotherapy	Assistant Professor
33.	Dr Chandramaltheswaran	Surgical GE	Assistant Professor

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 were joined on Adhoc basis during the year 2018

S.No.	Name of the candidate	Department	Designation
01	Dr B.C.M. Prasad	Professor	Neurosurgery
02	Dr A. Thyagi	-do-	Urology
03	Dr T.Kannan	-do-	Medical Oncology
04	Dr R.Balakrishna	-do-	Emergency Medicine
05	Dr Pala Padmavathi	-do-	Paediatrics
06	Dr B. Ravi Chandra	Associate Professor	Paediatrics (Visiting)
07	Dr J.Gowtham Kumar	Assistant Professor	Emergency Medicine
08	Dr C.Manju yadav	-do-	OBG
09	Dr S. Bhuvaneswari	-do-	OBG
10	Dr C.Manoj Krishna	-do-	General Surgery
11	Dr. B.Likhitha	-do-	Medicine
12	Dr M. Harika	-do-	Medicine
13	Dr M. Aruna	-do-	Medicine
14	Dr. D. Triveni	-do-	Psychiatry
15	Dr S. Anusharao	-do-	TB & CD
16	Dr T. Silpa	-do-	Biochemistry
17	Dr Pradeep Kumar	-do-	Radiotherapy
18	Dr M. Brameswara Rao	-do-	Surgical G. E

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19	Dr K. Venkat	-do-	Neurosurgery
20	Dr Venkatesh Sastri	-do-	Emergency Medicine
21	Dr B. Siva Rama Krishna	-do-	Emergency Medicine
22	Dr V. Sai Krishna Mohan	-do-	Nuclear Medicine
23	Dr R. Ramya Priya	-do-	Nuclear Medicine
24	Dr S. Bhaskar Rao	-do-	Radiology
25	Dr S. Venkata Chaithanya	-do-	Urology
26	Dr D. Sri Satyavathi	-do-	C T Surgery
27	Dr K. Kiran Kumar	Asst. Prof./Resident Super Specialist	Cardiology
28	Dr C.H. Narendra	-do-	Cardiology
29	Dr D. Sreenivasa Reddy	-do-	Cardiology
30	Dr N. Vinod Kumar	-do-	Cardiology
31	Dr P. Sai Krishna Chaitanya	-do-	Endocrinology
32	Dr Sri Divya	-do-	Endocrinology
33	Dr Sreeramakrishnaiah	-do-	Medical Oncology
34	Dr N. Praveen	-do-	Nephrology
35	Dr K. Sivaparvathi	-do-	Nephrology
36	Dr A. Apparao	-do-	Neurology
37	Dr T. Srikanth	-do-	Neurosurgery
38	Dr Basheeruddin Inamdar	-do-	Surgical Oncology
39	Dr P. Nitesh Nagabalaji	-do-	Surgical G. E
40	Dr K. Krishna Karthik	-do-	Urology

The following Non Faculty were newly appointed on Adhoc basis in the year 2018

Sl.No.	Name of the Faculty	Designation	Department
01	P. Sukanya	Chartered Accountant (Inter)	Account Department
02	T. Vineetha Lakshmi	Chartered Accountant (Inter)	Account Department
03	R. Namdev Singh	Auditor (Rtd)	Account Department
04	M. Anil kumar	Medical Physicist	Radiotherapy
05	T.V.Murali	Ophthalmic Assistant	Ophthalmology

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. It is a system to ensure that goals are consistently met in an effective and efficient manner, which is supported by giving and receiving of feedback. 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 competencies and personal competencies and also includes any suggestions for development by the superior. Performance assessment is carried out at all levels of the employees. The employees are awarded 'Meritorious certificates' on the Republic Day celebrations conducted by the Institute.

On the eve of 69th Republic Day celebrations held on 26.01.2018, the following employees were awarded with meritorious certificates.

Issued outstanding meritorious certificates to the following employees:

S.No	Name of the Employee	Designation	Department
1.	Dr. V.Subhadra Devi	Professor	Anatomy
2.	Dr. V.Suresh	Professor	Endocrinology
3.	Dr. K.Umamaheswara Rao	Professor	Pharmacology
4.	Dr. K.V.Sreedhar Babu	Professor	Blood Bank
5.	Dr Aparna R Bitla	Professor	Biochemistry
6.	Dr Arpana Bhide	Assistant Professor	Physiology
7.	Dr S.B.Amarnath	Assistant Professor	ENT
8.	Dr. P.Siva Sankar	Chief Medical Officer	Emergency Medicine
9.	Dr A.Lokeswara Reddy	Senior Medical Officer	Dr NTRS VSS
10.	Sri Ch.Ravi Prabhkar	Executive Engineer	TTD
11.	Sri D.V.Dilip Kumar	Deputy Director	Stores & Purchase
12.	Sri T.Ravindra Babu	Assistant Director	Gen. Maintenance Section
13.	Smt. G.P.Manjula	Assistant Director	O/o Director
14.	Smt. A.Umamaheswari	Sr Health Inspector	O/o A.D (G.M)

Issued meritorious certificates to the following employees:

S.No	Name of the Employee	Designation	Department
1.	Sri. V.Lokeshwar Reddy	Superintendent	Academic Section
2.	P.M.Vasudevan	Senior Technician Gr - I	Anaesthesiology
3.	MD Niranjan Ali	Gas Room Operator Gr - I	Asst., Director (GM)
4.	P.Santhosh Kumar	Teaching Assistant	Bio-Technology
5.	K.V.Somasekhar Reddy	ECG Technician	Cardiology
6.	S.Raghava Krishna	Tutor Gr- II	College of Physiotherapy
7.	C.Dhanarekha	Head Nurse	Emergency Medicine
8.	C.Munirajamma	Staff Nurse	Endocrinology
9.	M.RamaDevi	Staff Nurse	ENT
10.	A.Ramasubba Ramudu	Senior Assistant	Establishment Section
11.	K.Saraswathi	Head Nurse	General Surgery
12.	T.Sarala	Staff Nurse	General Surgery
13.	R.Sandeep Kumar	Medical Record Assistant	Medical Record Dept.
14.	M.Pallavi	PFT Technician Gr-II	Medicine
15.	P.Rama murthy	Lab Technician	Microbiology
16.	V.Karpagam	Staff Nurse	Microbiology
17.	T.G. Bhanu	Staff Nurse	Nephrology
18.	V.Manjula	Staff Nurse	Neurology
19.	K.Rajamma	ANM	Neurology
20.	B.Komala	EEG Technician Gr-II	Neurology
21.	G.Chandrakala	Staff Nurse	Neurosurgery

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22.	J.Anand Reddy	Lab Technician Gr-II	Pathology
23.	B.Suresh kumar	Senior Assistant	Public Relations
24.	V.Aruna	Superintendent	Purchase
25.	CH.Meeriah	R.O. Technician	Radiation Oncology
26.	Kuppam Sridevi	Radiographer Gr- II	Radiology
27.	P.Gowri	Pharmacist Gr-I	Stores
28.	C.Bhagyalakshmi	Staff Nurse	Urology (O.T)
29.	K.Nagalakshmi	ANM	Urology (O.T)

Apart from the regular staff, the outsourcing staff – 72 (Category I, II and III)) who contributed their outstanding services to the patient care were awarded cash prizes.

Promotions:

A promotion is a form of recognition for employees who make significant and effective work contribution and it raises the status of the employee. Promotion is viewed as desirable by employees because of the impact it has on pay, authority, responsibility and the ability to influence institutional decision making.

In the year 2018 the following staff were promoted;

Faculty Staff (Medical)

S.No	Name of the Employee	Promoted as	Department
01.	Dr Aloka Samantaray	Professor	Anaesthesiology
02.	Dr P.Hemalatha	Associate Professor	Anaesthesiology
03.	Dr M.Madhu Sudhan	Associate Professor	Anaesthesiology
04.	Dr Aparna R. Bitla	Professor	Biochemistry
05.	Dr HariKrishna	Associate Professor	Medicine
06.	Dr Usha Kalawath	Professor	Microbiology
07.	Dr B.VenkataRamana	Associate Professor	Microbiology
08.	Dr V.V.Ramesh Chandra	Professor	Neurosurgery
09.	Dr Randeer Gupta Mantri	Associate Professor	Nuclear Medicine
10.	Dr Silpa Kadiyala	Associate Professor	Radiology
11.	Dr G.Sivarama Krishna	Associate Professor	Surgical G.E
12.	Dr V.Venkatrami Reddy	Associate Professor	Surgical G.E
13.	Dr B.Vijayalakshmi Devi	Professor	Radiology
14.	Dr H.Narendra	Professor	Surgical Oncology
15.	Dr B.Manilal	Associate Professor	Surgical Oncology
16.	Dr K.V.Sreedhar Babu	Professor	Blood Bank
17.	Dr Anju Verma	Assistant Professor	Microbiology
18.	Dr R.Arun	Associate Professor	Blood Bank
19.	Dr N.Anil Kumar	Professor	Urology

Non Faculty Staff

S.No	Name of the Employee	Promoted as	Department
01	S.Santhanalakshmi	Superintendent	Academic section
02	A.R.Nagendra Babu	Superintendent	Gen. Maintenance section
03	A.Ramasubba ramudu	Superintendent	Establishment section
04	C.Murali	Senior Assistant	Establishment section

Para Medical Staff

S.No	Name of the Employee	Promoted as	Department
01	G.Sireesha	Medical Records Officer	Medical Records Department
02	N.S.R. Murali krishna	Medical Records Officer	Medical Records Department
03	B. Vinod Kumar	ECG Technician Gr-II	Cardiology

Employees Superannuated during the year 2018

Smt Mary Pushpalatha, ANM, Dept., of Nursing : She had joined on 22.02.1993 and retired on 28.02.2018 on attaining the age of superannuation.

Dr. B.C.M.Prasad, Professor of Neurosurgery : He was initially appointed as Professor on 18.05.2007. He served the Institute for 11 years i.e., w.e.f. 18.05.2007 to 31.08.2018. He was retired on 31.08.2018, on attaining the age of 63 years.

Smt J.Munirajamma, ANM, Dept., of Nursing : She had joined on 02.03.1994 and retired on 31.10.2018 on attaining the age of superannuation.

On the day of retirement they were given all retirement benefits.

Employee Welfare Measures

1. During March 2018, the faculty (Medical) and Medical Officer of SVIMS & SPMC (W) were implemented with 7th CPC pay scales w.e.f 01.01.2016.
2. The first installment of 7th CPC arrears from Jan. 2016 to Mar. 2016 was also sanctioned during October, 2018.
3. The Non faculty staff were also sanctioned PRC arrears of RPS, 2015 as per the orders of the Govt. of A.P.
4. Faculty (Non-medical) i.e. college of physiotherapy, college of Nursing, Dept., of Bioinformatics were given CAS (Career Advance Scheme) promotions.
5. This year nearly 900 plants were distributed to the employees of SVIMS to seed in and outside the campus of SVIMS by the employees on their birthday, as a part of recognizing the staff on their birthdays which in turn will improve the greenery.



VIII FINANCE & ACCOUNTS (2017-18)



VIII Finance & Accounts (2017-18)

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 31.03.2018

Liabilities	Amount as on 31.03.2018 (Rs.)	Assets	Amount as on 31.03.2018 (Rs.)
Capital Fund	4,99,78,18,295	Fixed Assets	2,32,24,89,807
Current Liabilities	56,56,17,904	Investments	2,05,39,24,474
Research Projects	81,45,583	Endowment Deposits	1,15,88,889
EMD and Other Deposits	9,46,92,982	Provident Fund Deposits	23,27,28,516
Fellowship	9,84,213	Research Fund Deposits	1,06,87,25,657
Advances payable	13,12,30,569	SVIMS Corpus Fund Deposits	27,05,30,212
University Deposits	1,13,93,204	Pension & Gratuity Deposits	46,38,73,140
Creditors outstanding	21,77,98,639	SBAVP Deposits with TTD	64,78,060
Outstanding payments	7,30,92,466	Current Assets	1,11,09,26,075
Scholarship	1,55,45,245	Closing Stock	6,88,84,100
Staff Pay & Allowances recoveries	1,27,35,003	Deposits (Assets)	15,12,16,910
		Loans & Advances	2,02,45,948
		Sundry Debtors	42,13,85,331
		Bank Accounts	18,05,64,472
		Income Outstanding	7,26,42,649
		TDRs (SBAVP Receivable)	57,47,632
		Cash in Hand	8,86,540
		Deposit for Service Tax Appeal	3,65,290
		Health Camp Receivable	1,45,249
		TDS deducted but not credited	52,85,728
		TDS Receivable	18,25,34,140
		TDS Receivable R&D	10,22,086
		Excess of expenditure over Income	7,60,95,841
Total	5,56,34,36,199	Total	5,56,34,36,199

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3.0 Concessions given to the patients for the period 01.04.2017 to 31.03.2018

S.No.	Month & year	Amount Rs.
1	April, 17	4,45,46,356/-
2	May, 17	3,41,52,513/-
3	June, 17	2,12,18,355/-
4	July, 17	2,61,03,145/-
5	August, 17	2,69,49,297/-
6	September, 17	2,19,96,186/-
7	October, 17	2,45,67,076/-
8	November, 17	2,65,06,996/-
9	December, 17	2,74,05,777/-
10	January, 18	2,35,29,952/-
11	February, 18	1,82,72,588/-
12	March, 18	4,10,83,699/-
	Total	33,63,31,940

4.0 Donations received for the period 01.04.2017 to 31.03.2018

S.No.	Name of the scheme	Amount (Rs.)
1	General Donations	54,000/-
2	Research Chair Donations	50,000/-
3	R&D Donations	53,35,47,054/-
4	Donation for purchase of equipments	1,00,000/-

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 was started in 1994 by TTD/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 multiples thereof to this institution.

The donors are provided privileges for accommodation, darshan and other prasadam of Lord Venkateswara at Tirumala by T.T.Devasthanams for the donations Rs.01 lakh & above. In September-2016 TTD has introduced a New Donor Management System wherein entire information pertaining to a donor is stored in Online in place of issuing donor pass book, Acknowledgement and IT receipts. Donor can avail all the privileges through booking in online under New Donor Management System for the convenience of the Pilgrims.

The special privileges like displaying the name of the donor prominently, naming the paid room, unit, hostel block, operation theatre, hostel, choultry, auditorium, specialty block, library etc. are extended to the donor depends upon the quantum of donations.

Sri Venkateswara Institute of Medical Sciences

The donations are exempted under sec.35(1)(ii) of Income tax Act 1961. The donor can claim exemption U/s 80 GGA to the extent of 100% on salary income & 150% exemption on business income.

The institute received Rs. 53,35,47,054/- donations under Sri Balaji Aarogya Vara Prasadini Scheme for the financial year 2017-18. The list of donors who donated Rs.5 lakhs and above are as detailed below

S.No	Particulars	Amount
1	Sri Venkatesh Ramachandran, W407-F2, First Street, C-Sector, Jayantha Shree Akshaya Apartment, Anna Nagar, West Extension, Chennai-600101.	1000000
2	Sri S.K.Chandra Sekar, 124, 6th street, Lakshmipuram, Peelamedu, Hope college, Coimbatore, Tamil Nadu-641004	1000000
3	M/s.Autotech Industries (India) Pvt. Ltd., SP - 114, Ambattur Industrial Estate, Chennai - 600 058.	4700000
4	M/s.Decon Engineers, Shed No. 4, Industrial Park, Ramanaiah Peta, Kakinada - 533 005. East Godavari Dist.	500004
5	M/s.Sapthagiri Silks, V.Srinivas, Popurammana Galli, Hosur Bagilu, Anekal, Bangalore - 562 106.	1000000
6	Sri. Ravi Kaanth Rambhotla, 502, Sagar Society, Navodaya Colony, Road No.2, Banjara Hills, Hyderabad - 500 034.	1000000
7	Sidaarth RamBhotla, 502, Sagar Society, Navodaya Colony, Road No.2, Banjara Hills, Hyderabad - 500 034.	1000000
8	Sri.Vallala Venkata Sushma, 7-1-79 A/B/3rd Floor, Dharam Karam Road, Ameerpet, Hyderabad - 16.	1100000
9	M/s.Ravikaanth Portfolio Services Private Ltd., 502, Navodaya Colony, Sagar Society, Road No. 2, Banjara Hills, Hyderabad - 500 034.	1000000
10	Sri Krishna Adithya Kunchiparthi, D.No.15/7, Nalla Thambhi Street, Triplicane, Chennai-600005.	1001116
11	R.Narayanan, # B3, Pioneer Towers, S.R.Layout, 1st Cross, Murugesh Palya, Wind Tunnel Road, Bangalore - 560 017.	1000000
12	M/s.Krishna Bhavan Foods and Sweets, 402, Big Bazar Street, Trichy, Tamil Nadu - 620 008.	1000000
13	Parvathidevi Jilumudi, 2704, Coastal Range Way, Lutz, FL, United States - 33559.	1000116
14	Sri.K. Sai Ram, Flat No.: 1301, Ficus Grove, MRC Nagar, Main Road, Janaki Avenue, R.A.Puram (Behind Sun TV Office), Chennai - 600 028.	1000000
15	M/s.Vishwak Solutions Pvt. Ltd., Module No. 106, NSIC Software Technology Park, B24, Guindy Industrial Estate, Chennai - 600 032.	1000000
16	M/s.Krisow Performance Fluids INC., B 1004, 10th Floor, The Platina, Nr. Radisson Hotel Gachibowli, Hyderabad - 500 032.	3500000
17	M/s.Benaka Electronics, 13. West of Chord Road, 4th Main, 4th Cross, Rajaji Nagar, Industrial Town, Bangalore - 560 044.	1000000

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18	Sri. D.Venkata Chalapathi, S/o. BA. Narayana, D.No.: 26-4-1016, Thyagaraja Nagar, Near Margadarsi Convent, Ananthapur Dist., Hindupur - 515 201.	1003116
19	M/s. Sri Ganesh Transports, Old No. 17, New No. 16, K.V.Kovil Street, Konnur High Road, Ayanavaram, Chennai - 600 023.	1000000
20	Sri.Arjun Jain, 244, Carex Centre, Anna Salai, Chennai - 600 006.	500000
21	Devarajam Laxman Adepu, Dosti Flamingos, Sky Flama - B Wing, Flat NO. 1306, T.J.Road, Near - Sewree Bus Depo, Sewree, Mumbai - 400 015.	1100000
22	M/s.O.G.Variar & Sons Variar Bakery, 1217, 5th Block, 20th Main, Near Shivanagar Signal, Rajajinagar, Bangalore - 560 010.	1000000
23	M/s.Global Mantra Innovations Pvt. Ltd., A - 2, SIPCOT IT Park, Siruseri, Chennai - 603 103.	10111111
24	Sri.T.T.Srinivasaraghavan, 9, 3 rd Street, Kasturi Estates, Chennai- 600 086.	600000
25	Smt. Ambika Parvathy Krishnan, 84 Kamdar Nagar, Mahalingapuram, Chennai-600034.	10000001
26	M/s. Rugmani Consultants, OLD 14, New 27, T P Koil Street, Triplicane, Chennai-600005.	1000108
27	Sri.K.Srinivasa Raju, S/o. K.V.Surya Narayana Raju, D.No.: 459, Aibhimavaram Village, Aaividu Mandal, West Godavari Dist. - 534 235.	1000000
28	Mis. Rano Saidbekova, H.No: 6-339, Yaroslaskoe shosse, MOSCOW, Russian Federation-9B.	772200
29	Sri. L.Selvaraj L & Co., New No. 23, Old No. 6/2, Venkatachalpathy 2nd Street, Shenoy Nagar, Chennai - 600 030.	1000000
30	M/S. Sri Vasavi Slabs & Tiles, S.No 643/E4, E5, E6, NH5, Beside Jagadguru Textiles, Martur, Prakasam-523301	1000000
31	LGC Promochem India Pvt Ltd., No. 4888, 4th Floor, VITC Model Export Bhavan, Peenya 4th Phase, Bangalore - 560 058.	6036000
32	M/s.Satish and Ravi Associates, G - 10, Naveen Apartments, 13th Main, Vasanth Nagar, Bangalore - 560 052.	1000000
33	M/s.Mehru Electrical & Mechanical Engineers (P) Ltd., E - 1247, RIICO Industrial Area, Phase - 1 (Extn), Ghatal, Bhiwadi - 301 019.	1000000
34	M/s.AKV Exim (India) Private Limited, D.No.: 16-26-1/5, Samba Murthy Nagar, Venkateswara Nagar, Kakinada - 533 001.	1000000
35	M/s.AKV Logistics Pvt. Ltd., D.No.: 16-26-1/5, Samba Murthy Nagar, Venkateswara Nagar, Kakinada - 533 001.	1000000
36	M/S. Sundari Silks, 36, North Usman Road, T Nagar, Chennai-600017.	3000000
37	Sri.Ilapakurthy Sri Krishna Vamsi, S/o.TSR Rao, Flat No. 07, Lotus Tower Serene County, Telecom Nagar, Gachiboli, Hyderabad - 500 082.	1000000
38	M/s.Varthamana Pharma, 20, Berezhkovskaya Nab. Street, Building 64, Moscow, Russia - 121 059.	500001
39	M/s. Adept Talent Acquisition Inc., C/o. Inguva Revathi, No. 13-6-434/ C/115, Maruthi Nagar, Golconda, Piller No. 84, Langure House, Hyderabad - 500 008.	1011035

40	M/s.GL Retail Private Ltd., No. 32/20, G.V.Complex 3rd Street, Railway Colony, Aminjikarai, Chennai - 600 029.	10000000
41	M/s.Souhiti Infra Projects Pvt. Ltd., Plot No. 452/3, Vivekananda Nagar Colony, Kukatpally, Hyderabad - 500 072	1000000
42	M/s.A.R.M.International, No.32/20, G.V.Complex 3rd Street, Railway Colony, Aminjikarai, Chennai - 600 029.	3500000
43	M/s.GI Tech Gaming Co. Indian Pvt. Ltd., No. 32/20, G.V.Complex 3rd Street, Railway Colony, Aminjikarai, Chennai - 600 029.	4000000
44	M/s.Yuvraj Construction, Saytam Niwas, Newar Water Tank, Majazgaon, Bid, Maharashtra - 431 131.	1000000
45	Sri K.Vishwanath, S/o. K.M.Dattathri, Kuntavalli Melige (p), Thirthnalli, Shimogha, Karnataka-577415.	500000
46	M/s.Siri Associates, Flat No. 103, A Block, Mythri Homes Pranam Hospital Lane, Madinagu DA, Miyapur, Hyderabad - 500 049.	1001116
47	M/s.Tablets (India) Ltd., Jhaver Centre, 3rd Floor, 72, Marshalls Road, Egmore, Chennai - 600 008.	1000000
48	Sri.Bharat Jhaver, Jhaver House, Old No.5, New No. 9, Boat Club Road, 3 rd Avenue, R.A.Puram, Chennai - 600 028.	1000000
49	Sri.Vivek Gupta, S/o.Ram Avtar, 21 For Close, Harrow HA 1 AX, London, Middlesex, United Kingdom.	1000000
50	Sri.J.V.S.Anil Kumar, Block A, Flat 1304, Aparna Sarovar Grande, Nallgandala Serilingampally, Hyderabad - 500 019.	1008000
51	Sri Narendra Kumar, Sukhadeo Bhawan Kankar Bagh, Opp A 84 P C Colony, Patna , Bihar-800020.	500000
52	Execution Excellence, C/89, Building No.5, Akshay Mittal Industry Premisis Co. Soc Ltd., Marol Naka, Andheri (East), Mumbai - 400 059..	1000000
53	M/s.Shayona Corporation, 805/806, B-Wing, Jangid Height, Opp. Vijay Sales, Near Tatvadnyan Vidyapith, Thane West., Maharashtra - 400 610.	2000000
54	M.R.Deeraj, 146/96, Narasinghapuram Street, Gugai, Salem - 636 006.	1000000
55	M/s.Kumaragiri Spinners Private Ltd., 4/1, K.R.P.A.D Road, Pallipalayam, Erode - 638 006.	1000000
56	M/s.G.D.Paridhan Pvt. Ltd., Narnarayan Estate, Near Mahalaxmi Mills, Narol, Ahmedabad - 382 405.	1000000
57	M/s. S V Chetty Iron Ore Mines, C/o. S V Srinivasulu, Mine Owner, OM Nivas, 5th Main Road, MJ Nagar, Hospet, Karnataka - 583201.	1000000
58	M/s.Balaji Traders, A - 13, New Govind Pura, Krishna Nagar, Near Ram Mandir, Delhi - 110 051.	1000000
59	M/s.Welcome Distilleries Pvt. Ltd., C/o.Cold Storage Corporation of India Ltd., Vidyapeeth Road, Chandua, Chittupur, Varanasi - 221 002.	1000000
60	Sri.L.E.Praneeth Goud, D.No.: 13/18-88, Vidya Nagar, Veldurthi (V) (M), Kurnool Dist., A.P.	1000000

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61	Dr.Esanakula Swarupa Rani, D/o.Esanakula Prabhakar Reddy, 14-139, Gowri Nagar, Renigunta. A.P. Pin Code - 517 520.	1016765
62	M/s.Percare Industries, 355, GIDC, Makarpura, Vadodara - 390 010.	1300000
63	M/s. Fountain Chits (P) Ltd., Srinivasa Trade Centre, 160/29, D.B.Road, R.S.Puram, Coimbatore - 641 002.	1000000
64	M/S. Viswam Limited, One Raffles Place, #28-02, Tower 1, Singapore-048616.	2000000
65	Sri Dr.Ranjeet Sharad Chidgupkar, 16/23, Mangalwar peth, Miraj, Maharashtra-416410.	1001000
66	Sri Dr.Vishali Ranjeet Chidgupkar, 16/23, Mangalwar peth, Miraj, Maharashtra-416410.	501000
67	M/S. Off-Tech Inc., 6/2, Vivekananda College Road, (James Long Sarani), Kolkata- 700 063.	1010000
68	M/s.Ganesh Grains Ltd., 88, Burtolla Street, Kolkata - 700 007, W.Bengal.	2500000
69	M/s. Narsus Jewellery, 2 N Krishna Bhavanam Ramakrishnapuram No. 3, Coimbatore, Tamil Nadu - 641001.	1000000
70	M/s.BVRS Jewellers, 1-5-38/19, Maruthi Nagar, Kothapet, Hyderabad - 500 035.	1000000
71	M/s. Vibes Healthcare Ltd., Corporate Office, D-5, Ground Floor, Hauz khas, New Delhi- 110016.	4500000
72	M/S. Sri Tirumala Cement Agencies, D.No: 8-4-21/5, Pavanpuri Colony, Karmanghat, Hyderabad-500074.	1000000
73	M/s.Mehru Electrical & Mechanical Engineers (P0) Ltd., E - 1247, RIICO Industrial Area, Phase - I (Extn.), Ghatal, Bhiwadi - 301 019.Rajasthan.	500000
74	Mr.Rajni Ambalal Patel, 19/B, Parulnagar Society, Bhuyangdev Cross Road, Ghatlodia, Ahmedabad - 380 061.	1011111
75	M/s.Ramco Industries Ltd., 'Auras Corporate Centre' VIth Floor, 98-A, Dr.Radhakrishnan Road, P.B.No.2949, Mylapore, Chennai - 600 004.	3000000
76	M/s.Sukhjit Starch & Chemicals Limited, Sarai Road, Phagwara - 144 401, Punjab.	501000
77	M/s.Mother Hitech Boards Private Ltd., R.S.No. : 41/3 & 4, Industrial Estate, Sedarapet, Puducherry - 605 111.	1000000
78	M/S. Shree Balajee Bhandar, Haldi Patty More, Maruf Gunj, Patna, Bihar.	1000000
79	M/S. Mythri Infra, 50-117-17, Plot No: 38 & 39, A.S.R.Nagar, Seethamadhara, Visakhapatnam-500013.	1111111
80	M/S. Jean and Bomanji Dubash Charity Trust, Mackinnon Mackenzie Building, 4 Shoorji Vallabhadas Marg, Ballard Estate, Mumbai-400001.	5200000
81	MS. Associated Charitable Trust, Villa No: IGW 63, 77 East, Yemalur Main Road, Behind Old Airport, Bangalore-560037.	1001116
82	M/S. Cilicant Chem Private Limited, Plot No.17, Ashra Estate, Gat No.1344/2, Ubale Nagar, Wagholi, Pune, Maharashtra-412207.	500000
83	M/S. Crystal Plastics & Metallizing Pvt. Ltd., 62, Vithalwadi, Kalbadevi Road, Mumbai-400002.	900000
84	M/S. Ascom Service, 03-04, Parekh Market, 39, Kennedy Bridge, Opera House, Mumbai-400 004.	1000000

85	M/S. Betco Enterprises, Raghavendra Colony, 72/2, 5 th Main Road, Chamarajpet, Bangalore-560 018	1000000
86	Sri. SPT Investment Advisory Services PVT Ltd., 6/40, Tradeo AC Market, Mumbai - 400034,	1000000
87	M/s.Srinivasaa Logistics Private Limited, 216, Purasawakkam High Road, North Point, Flat No. B, 1st Floor, Purasawakkam, Chennai - 600 007.	1000000
88	M/s.Aurangabad Electricals Ltd., Gut No. 65, Village Chitegaon, Taluka Paithan, Aurangabad, Maharashtra - 431 105.	1000000
89	M/s.Ajay Bindlish, E - 414, Greater Kailash - 2, New Delhi - 110 048.	1000000
90	M/s.Anita Bindlish, E - 414, Greater Kailash - 2, New Delhi - 110 048.	1000000
91	Sri. Amarendra Reddy Javvaji, H.No.15/663/1, Panchali Nagar, Renigunta, Andhra Pradesh - 517520.	500000
92	Dr.K.Venkatesan, E - 3A, Rain Tree Apartments, 21, Venus Colony, Second Cross Street, Alwarpet, Chennai - 600 018.	1500000
93	Sri.C.Bala Krishna, 16-19-167, Main Road, Old Guntur, Guntur - 522 001.	500001
94	M/s.Jai Ashoka Jewellery, 183, 184 Subramaniam Road, R.S.Puram, Coimbatore - 641 002.	1000000
95	M/s.Hope Foundation We Are One, 3 - 671/9, MMTS Road, Chanda Nagar, Hyderabad - 500 050.	1000000
96	M/s.Sri Moogambigai Traders, 1 Penna Complex, Vellore Main Road, Arcot - 632 503.	1000000
97	M/s.Bala Builders, O/F Penna Complex, Vellore Main Rd, Arcot- 632 503.	1000000
98	Karthik Birudavolu, Plot No.: 48, Ganesh Nagar Colony, East Mared Pally, Hyderabad - 500 016.	500116
99	Sri. Parunandhi Ramesh, H.No. : 2-80/24, New Colony, Miyapur, Serilingam Pally, Ranga Rao Dist., Hyderabad - 500 049.	1000011
100	M/S. KEI Industries Limited, D-90, phase-1, Okhla Industrial Area, New Delhi-110020.	1000000
101	M/s.Venkatrama Chemicals, B - 604, 6th Floor, The Platina, Near Radisson Hotel, Gachibowli, Hyderabad - 500 032.	2000000
102	M/s.Sow Pharma, B - 604, 6th Floor, The Platina, Near Radisson Hotel, Gachibowli, Hyderabad - 500 032.	1000000
103	M/s.Jewelle Tech, 45, Father Randy St., R.S.Puram, Coimbatore - 641 002.	1001000
104	Sri S. Dakshan Raj, New No.15, Second Main Road, Flat No.2B, Lime Light Apts, Gandhi Nagar, Adyar, Chennai-600020.	1000000
105	M/s.Next Logic Technologies, D.No.: 8-2-682/3/A & B, Flat No.: 105 & 106, May Fiar Garden Building, Near Ohri 's Restaurant, Banjara Hills Road # 12, Hyderabad - 500 034.	650000
106	M/s.Arunachala Logistics Pvt. Ltd., H.No.: 8-2-1/1/3, Avtar Nivas, Srinagar Colony, Main Road, Punjagutta, Hyderabad - 500 082.	11111116
107	M/s.Helicon Trading House Pvt. Ltd., H.No. 9, Associated Apartments, 83, I.P.Extn., Delhi - 110 092.	1500000

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108	Sri.V.M.V.Satyanarayana, S/o.Late V.Lakshmana Rao, 10-27-2/15, Flat No. 4C, Siri Hills, Wattair Uplands, Visakhapatnam - 530 003.	500000
109	M/s.Premier Motors, 105/30-B, Vattara Valarchi Colony, Krishnagiri Main Road, Dharmapuri - 636 701.	1001000
110	Sri K.Vishwanath, S/o. K.M.Dattathri, Kuntavalli Melige(p), Thirthalli, Shimogha, Karnataka-577415.	1000000
111	Sri R.Anantha Padmanabhan, 45/45/1 Father randy street,, R.S.Puram Coimbatore-641002.	1001000
112	M/s. Topsel Pvt. Ltd.,25, Ganesh Chandra Avenue, Kolkata-700013	1000000
113	M/s.Novastar Communications Pvt. Ltd., 13, Thomas Nagar, Little Mount, Saidapet, Chennai - 600 015.	1001116
114	M/s.Chindam Srinivas & Co., H.No. : 22, Sripuram Colony, Karimnagar - 505 001.	1000000
115	Sri. Santosh Madbhavi, A-1705, Oberoi Exquisite, Oberoi Garden City, Goreganon (East) Mumbai – 400063.	600000
116	M/s.Nectar Life Sciences Ltd., Sco 38-39, Sector-9D, Chandigarh-160 009.	5100000
117	Sri.Radhakrishnan Balaji, 145, Singaravelar Street, 1st Cross, Neelankarai, Chennai - 600 115.	1005000
118	M/s.Lakshmi Organic Industries Ltd., Chandermukhi, Third Floor, Nariman Point, Mumbai - 400 021.	1001000
119	Sri. Seera Nanda Gopal, S/o Seera Ravi Kiran Kumar, 1306, VIP Towers, VIP Road, Visakhapatnam, Andhra Pradesh, India - 530003.	1000116
120	Bangalore Dharmalingam Damodaram, No. 16, Clarke Road, “Dharmadham”, Richards Town, Bangalore - 560 005.	500000
121	M/s.Eternal Healthcare, Shop No.1, Siddivinayak Apt., Near Burkule Hall, Ambad Link Road, Nashik - 422 010.	1000000
122	B.S.Nikitha, 25/3, 5th Cross, Chikkanna Garden, Shankarpuram, Bangalore - 560 018.	1000000
123	Shradha G.Sreedhar, Sree Jala Rathna, 25/1, Ranga Rao Road, Chamaraj Pet, Bangalore - 560 018.	1000000
124	Sri.D.N.R.Sarma, D.No.: 9-1-44, Moberlipeta, Amalapuram - 533 201.	522116
125	M/s.Pannala Paryathal Reddy Trust, 17-1-388/C/10, IS Sadan, Saidabad, Hyderabad - 500 059.	1000000
126	M/s.Sree Lakshmi Balaji Cashew Processors, V.V.Vamsi Mohan, S/o.V.Prasad, 2-214, Sarada Nagar, Narasipatnam, Vizag - 531 116.	1000100
127	M/s.Sri Sai Vinayaka Pharma, 13/24, Tirumalarayunipeta, Proddatur, A.P - 516 360.	1000000
128	M/s.Ambarish G Malani, 2-4-51, Malani Building, M G road, Secunderabad-3.	1000101
129	M/s.Bhagirath Constructions Co., 400, Old No. 43, 57 Cross, 3rd Block, Rajaji Nagar, Bangalore - 560 010.	1010008
130	M/S. Mani's Brothers Institute For Modern & Popular Arts, P.O.Box: 15418, Riyadh:11444, Kingdom of Saudi Arabia.	1000000

131	Soumya Chinnnaswamy, 705, CBI Road, HMT Layout, R.T.Nagar, Bangalore - 560 032.	1000116
132	Sri. Swiss Garnier Life Sciences, Swiss Garnier, No 25 Kambar Street, Alandur, Chennai, Tamilnadu, India - 600016.	1000000
133	B.Vanshika Reddy, H.No.: 1-5-E - 43, 3rd Cresecent, Sainikpuri, Hyderabad - 500 094.	1001016
134	Sri. SVPC Automotive PVT. LTD., G12, First Main Road, Ambattur Industrial Estate, Chennai, Tamilnadu, India -600058.	1000100
135	M/s.Veerabhadra Steels, Shop No.: 20, Kabra Complex, 61, M.G.Road, Secunderabad - 500 003.	1000000
136	D.Anuradha, No. 51, Balasundaram Road, Coimbatore - 641 018.	3100000
137	Mamata L, Shenoy, 26-27, Shobana Colony, West Marredpally, Secunderabad - 500 026.	500001
138	Kowmari Prakash, Villa No.8, Harichandra 3rd Cross Street, Injambakkam, Chennai - 600 115.	1000000
139	Sri.Ashwin Ganediwal, 1/1, New Palasia, Indore, Madhya Pradesh - 452 001.	1000000
140	SPT Investment Advisory Services Private Limited, 6/40, Tardeo AC Market, Tardeo, Mumbai - 400 034.	1000000
141	M/s.Sri Rama Jewellery Mart, 170, Big Bazaar Street, Trichy, TN-620 008.	1001111
142	M/s.Deepak Seth & Sons (HUF), 101, Shanti Niketan, Civil Lines, Meerut.	500000
143	Buddepudi L Shyam Prasad, # 07-02, Block 9, The Waterside, 09, Tanjong RHU Road, Singapore - 436 894.	500001
144	M/s.Shivam Condev Pvt. Ltd., 971, Mahanadi Vihar, Chauliaganj, Cuttack, Odisha - 753 004.	2002000
145	Sri.Thirupathi Engineering Works, C/o.S.Sekar, # 43, 5th Main, 7th Block, BSK 3rd Stage, Bangalore - 500 085.	1000000
146	Sri.Ashok Kini, B - 202, Mantri Pride Apts, Behind Madhavan Park, I Block, Jayanagar, Bengaluru, Karnataka - 560 011.	1000000
147	P.Lakshmi Devi, # 285, 2nd Floor, Lakshmi Nilaya, 11th A Cross, J P Nagar, 2nd Phase, Bangalore - 560 078	10000000
148	M/s.Archana Jewel Craft, 50, Subramanian Road, R S Puram, Coimbatore, Tamil Nadu - 641 002.	1001116
149	M/s.Ascom Infotech Pvt. Ltd., 03-04, Parekh Market, 39, Kennedy Bridge, Opera House, Mumbai - 400 004.	1000000
150	Sri.Pakyala Bhaskar Rao, H - 18, T N H B (New), SIPCOT, Ranipet, TN-632 403.	1001116
151	M/s.Vraj Cement Carrier LLP, No. 98, Shamaldas Gandhi Marg, 2nd Floor, Room No. 25, Mumbai - 400 002	1000000
152	Sri. Raj Kumar Koteeswaran, 6, 13th East cross Road, Gandhi Nagar, Vellore, Tamil Nadu – 632006.	1000006

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153	M/s. Premiere HK Ltd., Unit B & C, 20 F Full Win Commercial center, 573 Nathan Road, Kowloon, Hong Kong	1000000
154	M/S. Tallam Jewels, 835/1, Nagarthpet, Bangalore-560002.	1001111
155	M/S. Mamraj Mussadilal Jewellers, B 120, First floor, Mayur Kushal Complex, Gunfoundry, Hyderabad-500001.	1000000
156	Sri.R.Anantha Narayanan, 344, 22nd Street, 17th Cross Road, Phase - I, Sathuvachary, Vellore - 632 009.	500000
157	Sri.Abhiram Chegondi, 2 C, 417, OMBR Layout, Banaswadi, Bangalore - 560 043.	1000116
158	D.S.Balaji, Neeladri Arcade, S.K.P.Temple Street, Pavagada - 561 202. Karnataka	1001116
159	Dhiraj Ashok Kumar Odhrani, 501, Roshni Building, 18th Road, Bamdra West Mumbai - 400 050.	501000
160	Sri. Srinivas Vegesna, 27-8-12/4, 4th kasi eye hospital Buidling Bhimavaram – 534202.	1001000
161	N.Vinayakumar Panigatti, No. 280, Sri Venkateswara Nilaya, 2nd Cross, 2nd Main Annapoorneshwari Nagar, Bangalore - 560 091.	1000501
162	K.S.Ravikumar, No. 11, Temple Avenue Road, Srinagar Colony, Saidapet, Chennai - 600 015.	1000116
163	M/s.Anjana Software Solutions Pvt. Ltd., Module 306, B24, Guindy Industrial Estate, NSIC Software Technology Park, Ekkaduthangal, Chennai - 600 032.	10000000
164	M/s.Bishwanath Ingredients Pvt. Ltd., 43, Malanga Lane, Kolkata - 700 012.	500000
165	M/s.Hindustan Enterprises, 29-6-20/2, Lalitha Colony, Dabagardens, Visakhapatnam - 530 020.	1000000
166	Sri.S.G. Kritik Abiram, 2/315, Plot No. 43, Second Cross Street, A.G.S.Colony, Kottivakkam, Chennai - 600 041.	1000000
167	Mahesh Dinu Bhai Patel, Shanti Bungalow No. 2, Gulmohar - CHH, Gandhi Nagar - PNT Colony, Domivili - East - 421 201.	1000001
168	M/s.Apurva Natvar Parikh & Co. Pvt. Ltd., 96, Chembur Manikhurd Link road, Shivaji Nagar, Mumbai - 400 043.	1000000
169	Samruddhi, 128/2, 4th Main APMC Yard, Yeshwanthpur, Bangalore - 560 022.	1000116
170	Sudhakar Dharwada, 305, Lilac Block, Lotus Arcadia, BP Raju Marg, Whitefields, Kondapur, Hyderabad - 500 084.	1000000
171	M/s. Ganagraiammanyarn and dyeing Works, 107/2, vaiyapuri, nagar, 1st cross street, karur - 639002.	1000000
172	M/s.Atin Promotions and Advertising Pvt. Ltd., 19, Avenue 5, Old Road No. 8, Banjara Hills, Hyderabad - 500 034.	3000000
173	M/s.Muppiri Developers, 1022, 6th Cross, Ashok Nagar, BSK 1st Stage, 11nd Block, Bangalore - 560 050.	1000001
174	M/s.Vital Laboratories Pvt Ltd., Plot No.: 48, 2nd Floor, Service Road, Parallel to Western Express Highway, Near Hanuman Temple, Vile Parl, Mumbai - 400 057.	1000000
175	M/s. S.R.Artefacts Pvt. Ltd., 104, Shiv Smriti Chamber, 49 A, Dr.A.B.Road, Worli, Mumbai - 400 018.	1000000

176	M/s.Zeus Air Services Pvt. Ltd., 119-Adarsh Industrial Estate, Sahar Road, Chakala, Andheri (East), Mumbai - 400 099.	1000000
177	Sri.Vikas Singhal, B - 202, Silver Cloud, Road No.2, Sunder Nagar, Kalina, Santacruz(E), Mumbai - 400 098.	1001000
178	S.Chankradhar, 3, Karuppanan Street, Chennai - 600 001.	1000116
179	M/s.NVR Cinema, 3 - 122/7, Divyakshthra Avenue, Airport Road, Tiruchanoor - 517 503.	1000116
180	Devathi Madhavi, 53/19-9-2, Nabikot, Kadapa - 516003.	1001116
181	M/s.Rain CII Carbon Vizag Limited, Regd. Office Rain Center, Plot No. 34, Srinagar Colony, Hyderabad - 500 073.	10000000
182	M/s.Champak Pragathi Foundation, 4605, High Point, 45, Palace Road, Bangalore - 560 001.	10000000
183	O.G.Variar & Sons, # 1217, 5th Block, 20th Main, Near Shivanagar Signal, Rajajinagar, Bangalore - 560 010.	1000000
184	Kirthi Paladugu (Srikara Hospitals), Madinaguda, Hyderabad - 500 049.	1000000
185	M/s.MRC Infrastructure (P) Ltd., 9-29-24B, Flat No. 301, Trendset MRC, Balaji Nagar, Siripuram, Visakhapatnam - 530 003.	1000000
186	Sri.Vijay Maheshwari, Diamond Heritage, 8th Floor, Unit 808 A, 16, Stand Road, Kolkata - 700 001	611000
187	M/s.TRR Tractors, No. 17, Main Road, Acharapakkam, Kanchipuram, Tamil Nadu - 603 301.	1000000
188	Sri.G.Prashanth Narayan, No. 100, Sannidhi Road, Basavanagudi, Bangalore - 560 004.	10000000
189	M/s.Tirumala Seven Hills Pvt. Ltd., 40, Standard Road, 3rd Floor, Room No. 10, Kolkata - 700 001.	500000
190	Sri. K. Srinivas Venu Madhav & K. Alivelu, H.No. 10-3-130/1, Teacher's Colony East Marredapally, Secunderabad - 500026	500000
191	M/s. Chandana Brothers Shopping Mall Pvt Ltd., 14-3-1, Nawraj Road, Pandimetta, Visakaptnam - 530002.	1000000
192	M/s. ARC Property Solutions Pvt Ltd., Ramesh Vankineni, H.No. 8-3-167/D/233, Kalyan Nagar, S.R. Nagar (post), Hyderabad - 500038.	1000000
193	Smt. Vaishali Dhankani, 812 C Wing, Aster Apartment, Dosti Acers, Wadala East, Mumbai-400037.	10000000
194	M/s. Perfect Gears (Chennai) Ltd., 2, Vembuliamman koil, 1st Cross street, Udhayam Colony, K.K. Nagar (west), Chennai - 600078.	1000000
195	M/s. Jupiter Dye Chem Pvt. Ltd., A 201/203, prathamesh, 2nd Floor, Rahvuvamshi Mills compound, Senapati Bapat Marg, Lower Parel, Mumbai-400021.	1400000
196	M/S. Aravind Laboratories, 3/17 Valluvar salai, ramapuram, Chennai-600089.	1000000
197	Namrata Nagrecha, 10/1A, Indra Roy Road, Near Indira Cinema, Kolkata - 700 025.	1000000

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198	M/s. Speed Financial Solutions, Flat No.502, H.No:8-3-991, Kamala Residency, Srinagar Colony, Opp. SBI, Ameerpet, Hyderabad-500073.	1000000
199	Sri.K.T.Hemanth, S/o.R.Thirumalamarugan, Plot - 13, Veerappa Nagar, Valasaravakkam, Chennai - 600 087.	1035000
200	M/s. M.S. Associates, # 463/D, 11th Main Road, 8th Cross, RMV Extn., Bangalore North, Sadashivanagar, Bangalore - 560 080.	1010000
201	M/s.Industrial Packing Products, Niranjana Building 602, 6th Floor, 99, Marine Drive, Mumbai - 400 002.	1500000
202	M/s.A.S.Steel Traders (VSP) Pvt. Ltd., D.No.: 9-1-249, CBM Compound, Asilmetta, Visakhapatnam - 530 003.	1000116
203	Sri.Dr.M.Balamurugan, No. 9, Anusuya Street, Rangarajapuram, Kodambakkam, Chennai - 600 024.	1001001
204	Sri Venkatesh Ramachandran, W407-F2, First Street, C - Sector, Jayantha Shree Akshaya Apartment, Anna Nagar, West Extension, Chennai-600101.	500000
205	M/s.Rathi and Rathi Hosieries Traders Pvt. Ltd., No. 56, Pachiyapass College Hostel Road, Chetpet, Chennai - 600 031.	1000000
206	Sri.Uppalapati Eswar Rao, 10-3-3/31, East Marred Pally, Secunderabad - 500 026. Telangana.	1001116
207	Sri Mohan Lal Moda, C/o. Maniram Kirodimal, Upeer Telenga Bazar, Cuttack, Odisha- 753009.	500000
208	M/S. Lakshmi Industries, No.2362, 19th cross, K.R.Road, BSK II Stage, Bangalore-560070.	1000101
209	M/S. Laxmi Organic Industries Limited, Chandermukhi, Third Floor, Nariman Point, Mumbai-400021.	1001000
210	M/S. Sovereign Micro Fertilisers, D.No.4-2-5/c, 1st lane, Ramannapet, Guntur-522007.	1010000
211	Miss. R.Geetha Bai, H.No: 5-3-762/6, Plot No.23, Phase-1, Vijayapuri colony, Vanasthalipuram, Hyderabad-500070.	1000000
212	Harkaran DAss Vedpal, D 1 Sector 8, Noida, U.P - 201 301.	501111
213	Sri Mahesh Rao, 1, 12th Main Road, Anjugam Nagar, Kolathur, Chennai-600099.	1000000
214	Sri R. Sivakumar, 8, Fourth Cross Street, New colony, Chrompet, Chennai-600044.	1000000
215	M/S. Lucky Retail Stores, #28-2-14/A, Jagadamba Center, Visakhapatnam-530001.	1000116
216	Sri Vontimitta Kichaiah Sresty Manohar, # G Devakushin Co operative Housing Society, Ambegal, Near Amrai Colony, Ponda, Goa-403401	1040000
217	M/S. Daspalla Hotels Private Limited, Suryabagh, Visakhapatnam-530020.	1000000
218	M/s. OM Logistics Ltd., Plot No. 130, Transport Centre, Punjabi Bagh, New Delhi-110035.	3100000
219	M/s. Rudira Aqua Limited, 16/3/554, Rama Murthy Nagar, Nellore - 524003.	2022000
220	M/s. Lashi Exports Limited, 16/3/554, Rama Murthy Nagar, Nellore - 524003.	1011000

221	M/s.V.K.Niranjan & Co Chartered Accountants, # 1049, 'Mariya Arcade' Dr.Rajkumar Road, 4th 'M' Block Rajaji Nagar, Bengaluru, Karnataka - 560 010.	500000
222	Sri.V.M.V.Satyanarayana, 1027-2/15, Flat No. 4C, Sirimills, Waltairpuplands, Vizag - 530 003.	500000
223	M/s.Mahendra Perfumery Works, Raghavendra Colony, No. 72/2, 5th Main Road, Chamarajpet, Bangalore - 560 018.	1000000
224	Sri.M.V.R.S. Prasad, 20 B, Road No. 8, Film Nagar, Jubilee Hills, Hyderabad - 500 096.	1000000
225	M/s.Lucky Retail Stores, D.No.: 28-2-14/A, Jagadamba Center, Visakhapatnam - 530 001.	1000116
226	M/s.Tirubala International Pvt. Ltd., C - 7, Panki Industrial Area Site - 1, Kanpur, U.P. - 208 022.	3100000
227	M/s.Cluster Infotech Pvt. Ltd., 403, Nagasuri Plaza, Behind Maitrivanam, Ameerpet, Hyderabad - 500 038.	1000116
228	M/s.Siddharth ColorChem Pvt. Ltd., 121, Atlanta, Nirman Point, Mumbai-400 021.	1001000
229	Shri Mukund Bhavan Trust, Shri Mukund Bhavan, 1105, Raviwar Peth, Pune - 411 002.	2000000
230	M/s.Vital Laboratories Pvt. Ltd., Plot No 48, 2nd Floor, Service Road, Parallel To Western Express Highway, Near Hanuman Temple, Vile Parl, Mumbai	100000000
231	Sri.L.C. Konda Reddy, H.No.: 839/M/1, Road No. 44 A, Jubilee Hills, Hyderabad - 500 033.	1000116
232	Sanjeev Vashisht, # 2515, Sector 35C, Chandigarh - 160 035	1000001
233	Saketh Chinni, T2 2307, Golf Edge Residence, Nanakramguda, Gachibowli, Hyderabad - 500 032. Mobile No.: 70220 01533.	500000
234	GMK Research Laboratories Pvt Ltd., 1-17-16, Ram Nagar Colony, Alwai, Secunderabad - 500 010.	511000
235	M/s. Rolta Foundation, Make tower, F Premises cooperative society ltd., 211, 21st floor, Cuffe Parade, Colaba, Mumbai	1500000
236	M/s.Prabha Engineers, 1825, 18th Main Road, Anna Nagar West, Chennai-600 040.	500000
237	M/s.Tech Auto Private Ltd., C - 37, Phase - II, Focal Point, Ludhiana - 141 010.	1150000
238	Prof.R.Parvatham, # 221, Sri Varni, Second Main Road, V.G.P. Layout, Uthandi, Chennai - 600 119.	600001
239	M/S. Dharani Granites, Sy.No:28-4, Narigapalle(Vg & PO), Chittoor.	500000
240	M/S. UTIVAC, 309, Shree complex, 73, S.T.Johns Road, Bangalore-560042.	600000
241	M/s. Elixir Extracts Pvt Ltd., Kinfra Park, Nellad, Ernakulam, Karnataka- 686690.	500005

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5.0 Funds received from Tirumala Tirupati Devasthanams during the year 2017-18

S.No.	Grant details	Amount (in Rs.)
1	Revenue Grant	21,50,00,000/-
2	Reimbursement of Pranandana expenditure	10,68,96,645/-
3	Reimbursement of treatment charges for TTD employees/pilgrims	12,85,13,081/-
4	Reimbursement of Blood Bank screening charges	51,93,330/-

6.0 Treatment on Credit for the period 01.01.2018 to 31.12.2018:

The institute extended credit treatment to the extent of Rs.94.17 crores in respect of 24 credit organizations and the bills settled to the extent of Rs.98.25 crores leaving a closing balance of Rs.42.64 crores during the calendar year 2017. The details of the credit treatment is as detailed below for the period from 1.1.2018 to 31.12.2018.

S. No.	Credit category	Opening balance (Rs.)	No. of Bills	treatment Credit given (Rs.)	Amount received/ Settled (Rs.)	Closing balance (Rs.)
1	NTR VSS IP Claims	261,493,460	22,713	34,498,400	609,632,288	186,359,572
2	TTD Credit	51,165,933	26,852	141,130,040	144,058,773	48,237,201
3	Pranadhanam	24,686,059	1,348	17,494,432	22,827,640	19,352,851
4	EHS IP Claim	19,362,051	1,378	39,299,995	31,795,225	26,866,821
5	ESI Credit	78,035,694	1,615	38,080,607	19,646,585	96,469,716
6	CRC Credit	9,160,424	1,236	20,005,526	14,937,259	14,228,691
7	APSRTC	8,419,896	931	13,947,822	14,578,542	7,789,176
8	Arogya Bhadratha Scheme	4,225,611	313	11,325,261	9,402,632	6,148,240
9	CMRF	1,770,269	29	7,909,447	2,426,847	7,252,869
10	BIRRD/TTD	2,959,100	3,900	6,678,175	5,082,050	4,555,225
11	BIRRD NTRVSS	452,555	354	2,889,990	452,555	2,889,990
12	BSNL	3,004,081	57	2,349,945	929,402	4,424,624
13	APSPDCL	1,664,668	41	2,240,349	2,688,637	1,216,380
14	SVBC	541,181	256	1,040,521	1,415,442	166,260
15	Other Credits	1,033,767	68	909,639	345,817	1,597,589
16	AB SPF	373,194	7	594,448	758,192	209,450
17	Arogya Sahayatha	20,832	8	397,445	193,278	224,999
18	Govt.Credits	5,152,155	28	382,289	867,643	4,666,801
19	RSVIDYAPETAM	14,753	4	203,119	200,042	17,830
20	State TB Control Society (RNTCP)	76,800	10	200,800	169,333	108,267
21	SHAR	34,233	11	138,256	90,864	81,625
22	LIC CREDIT	8,000	6	27,000	19,000	16,000
23	IA AIRPORT	50,734	1	14,898	38,086	27,546
24	PMRF	30,168	3	8,767	30,168	8,767
	Grand Total	473,735,618	61,169	941,767,171	982,586,300	432,916,489



IX DEPARTMENTAL INFORMATION



1.0 DEPARTMENT OF ANAESTHESIOLOGY

Professor & Head

Dr Aloka Samantaray

Senior Professor

Dr M. Hanumantha Rao

Faculty

Dr P. Janaki Subhadra
Dr N. Hemanth
Dr Andal Venkataraman

Dr K. Vinay
Dr A. Krishna Simha Reddy
Dr P. Hemalatha

Dr R. Sree Devi
Dr S. Shameem

Senior Residents

Dr Santhi Swetha Pudhota
Dr Bommala Sri Hari

Dr Swami Devi Prasad Ilapandi
Dr Pabba Shravani

Dr K. Satish Kumar
Dr Dyva Manogna R

Tutor cum PG (MD) Junior Residents

Dr Bhargavi Thota
Dr Ediga Adilakshmi
Dr Kuraparthi Jasmitha
Dr Swetha Silpa Udatha

Dr Sujani Gooty
Dr Valaji Joshna
Dr Koracha Gayathri Devi
Dr R Bhanuprakash
Dr Yadhu Bhushanam K
Dr Mukku Kiranmye
Dr Mahesh E
Dr Thottikat Kaarthika
Dr Chukkalaru Sumadhu

Dr Sharon Linnet
Dr Banoth Radhika
Dr Sahana B N
Dr P. Sameera Vani
Dr M. Venkata Srinivas
Dr M. Kishore
Dr K. Krishna Priya
Dr Mummaka Harshavardhan

1.1 Awards, achievements and felicitations

Dr M.H.Rao, Senior Professor & Principal, was awarded

1. Organizing Chairperson for ISACON South Zone at Tirupati during 7-9 September, 2018.
2. Certificate of Merit in recognition of the excellent services as Editorial Board Member for IJA for the year 2018.

Dr Aloka Samantaray, was received

1. Certificate of Merit in recognition of the excellent services as Reviewer/Editorial Board Member for IJA for the year 2018.
2. Officiated as Associate Editor of Indian Journal of Anaesthesia an official publication of Indian Society of Anaesthesiologists.

Dr N.Hemanth, has been officiated as a Associate Editor of Journal of Clinical and Scientific Research (JCSR),

SVIMS, Tirupati. **Best Research Paper** in JCSR

1.2 Fellowships received

1. Dr M.H.Rao, received **Fellowship of Indian College of Anaesthesiologists** [FICA] at the conference by Indian College of Anaesthesiologists at BHU, Varanasi during 27-29 October 2018 and delivered a lecture on "ABG".
2. Advanced course in Medical Education" (ACME - MEU Course) at Christian Medical College, Vellore during 13-15 March 2018.

1.3 Research Work

Theses submitted

1. Jamsitha K. A comparative study between dexmedetomidine – propofol and propofol – fentanyl on perioperative hemodynamics, propofol requirement and postoperative recovery profile in

patients undergoing elective abdominal surgeries (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

2. Bharagavi T. A study of clinical presentation and outcome of patients with GBS in a tertiary care teaching hospital (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Adilakshmi E. Comparison of efficiency of additional epidural nalbuphine vs dexmedetomidine on characteristics of spinal anaesthesia in patients undergoing lower limb orthopaedic surgeries (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
4. Swetha S. Comparison of effect of intravenous magnesium sulfate and clonidine in attenuating pressor response during laryngoscopy and tracheal intubation, a randomised double blind study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Sujani G. The patient characteristics, adverse events and outcome following elective intracranial surgeries in a tertiary care hospital A prospective observational study (MD Thesis).
2. Joshna V. Comparison of two doses of fentanyl on characteristics of bupivacaine subarachnoid block in infraumbilical surgeries – A randomized prospective double blind study (MD Thesis).
3. Gayathri Devi K. Postoperative delirium in cardiothoracic surgical patients: A prospective observational study (MD Thesis).
4. Yadhu Bhushanam K. Validation of surgical APGAR score in Abdominal surgeries in a tertiary care teaching hospital in South India (MD Thesis).
5. Sumadhu C. The effect of dexmedetomidine as an adjuvant to ropivacaine for wound infiltration in providing postoperative analgesia for open abdominal surgeries (MD Thesis).
6. Thottikat Kaarthika. Intraperitoneal instillation of dexmedetomidine or clonidine with bupivacaine for post-operative analgesia following laparoscopic

cholecystectomy: a prospective, randomized double blind, placebo control study (MD Thesis).

7. Mahesh E. A comparative study on the effects of propofol and etomidate on haemodynamic stability, seizure duration and recovery profile during Electro Convulsive Therapy (MD Thesis).
8. Kiranmye M. Comparison of the efficacy of three different opioids as adjuvants to hyperbaric bupivacaine for subarachnoid block in lower limb orthopedic surgeries – a prospective randomized and double blind study (MD Thesis).
9. Bhanuprakesh R. A comparative study of desflurane and fentanyl with propofol and fentanyl on intraoperative anaesthetic requirement, post-operative analgesia and recovery profile (MD Thesis).

1.4 Conferences attended, lectures delivered

Dr M.Hanumantha Rao, attended the following

International

1. Attended Annual meeting of the American Society of Anesthesiologists [ASA] and presented abstract "Bacterial Colonization and sensitivity profile of tracheal tubes in mechanically ventilated patients" 2018 at San Francisco, California, USA during 13- 17 October 2018.

National

1. Advanced course in Medical Education" (ACME - MEU Course) at Christian Medical College, Vellore during 13-15 March 2018.
2. ISA Calicut City Branch delivered a guest lecture on "Interpretation of ABG" at Calicut on 9th May 2018.
3. 66th Annual conference of Indian Society of Anesthesiologists Conference (ISACON – 2018) at Agra during 25-29 November 2018.

Dr Alok Samantaray, attended the following

1. PG Impact conference and delivered a guest lecture on "Head injury Thoracic Trauma" a case scenario discussion" at Vijayawada on 6th January 2018.

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2. Indian Association of Cardiovascular Thoracic Anaesthesiologists 21st Annual Conference (IACTACON) and delivered a guest lecture on “Antifibrinolytics should not be used routinely in cardiac surgery” at Hyderabad during 1-4 February 2018.
3. 66th Annual conference of Indian Society of Anesthesiologists Conference (ISACON – 2018) and delivered a CME lecture on “Perioperative glycaemic control & newer antidiabetic drugs: Anaesthetists perspective” at Agra during 25-29 November 2018.

Dr N.Hemanth, attended the Indian College of Anesthesiologists Annual National Conference (ISACON – 2017) at Varanasi during 27 – 29 November 2017.

Dr Sridevi R, attended the Indian Association of Cardiovascular thoracic Anaesthesiologists 2018 annual conference at Hyderabad during 1-4 February, 2018.

1.5 Presentations by postgraduate students

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

ISACON South Zone – 2018 at Tirupati during 7-9 September 2018

1. Kaarthika. Anaesthetic Management of patient with primary hyperparathyroidism posted for parathyroidectomy.
2. Shilpa. Anaesthetic management of morbidly obese patient posted for bariatric surgery.
3. Sumadhu. Anaesthetic Management of parturient with congenital corrected transposition of great arteries.
4. Yadhubhushanam. Selective segmental epidural in post CABG patient for umbilical hernia repair.
5. Mahesh. Anaesthetic Management of patient with ischemic cardiomyopathy (ICMP) and severe LV dysfunction (EF=28%) posted for total gastrectomy.
6. Joshna. ICU Management of an undiagnosed chronic rheumatic heart disease in a postpartum lady: a case report.

7. Jasmitha.K. Anaesthetic management of a patient with ICA aneurysm posted for ICEC bypass.
8. Bhargavi.T. Anaesthetic management of massive blood transfusion for perioperative bleeding in reaction coral neurogenic tumor.

Presented the following platform presentations at:

ISACON South Zone – 2018 at Tirupati during 7-9 September 2018

1. Kiranmayi.M. Comparison of hemodynamic responses to direct laryngoscopy and intubation with gabapentin venous bolus.
2. Shilpa. Evaluation of various predictors of difficult airway prospective study.
3. Yadhubhushanam. Comparison of upper lip bite test with other four predictors for predicting difficulty in intubation.
4. Gayathri. Effects of intravenous ondansetron and granisetron on haemodynamic changes during spinal anesthesia in non – obstetric population. A double – blind , prospective randomized controlled study.
5. Sujani. Effect of pneumoperitoneum on airway pressures in patients undergoing laparoscopic surgeries.
6. Jasmitha.K Comparison between intrathecal hyperbaric levobupivacaine ropivacaine with added dexmedetomidine spinal anaesthesia characteristics. A randomized prospective double blind study.
7. Bhargavi.T. A study of clinical presentation and outcome of patients with Guillain – Barre syndrome – a prospective observational study in a tertiary care teaching hospital.

1.6 Publications

1. Hemanth N, Swarnalatha K, Vinay K, Mohan A, Chaudhury A, Samantaray A. Bacterial colonisation and antibiotic sensitivity profile of endotracheal tubes in mechanically ventilated patients. J Clin Dias Res 2019;13:1-6.
2. Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK. Association of

G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post-sternotomy pain. Gen Thorac Cardiovasc Surg. 2018 Aug 2. doi:10.1007/s11748-018-0981-3.

1.7 CMEs/ Seminars/ Workshops/ Orations conducted by the dept

1. Professor Burra Murthy, the Clinical Lead for Preoperative Assessment service at Royal Liverpool University Hospitals and delivered a guest lecture on “Preoperative evaluation Destination” at SVIMS on 6th October 2018.
2. Joint CME Anaesthesia and CTVS at SVIMS on 6th October 2018.
3. National Level Programme South Zone ISACON-2018 and workshop on “Anaesthesiology and Critical Care” at SVIMS during 7-9 September 2018.

1.8 CMEs/Seminar/ Workshops attended

1. Dr M.H.Rao Revised Basic Course and ATCOM Workshop at CMC, Vellore on 26th July 2018.
2. **Dr A.Krishna Simha Reddy, Dr P.Hemalatha, Dr Sridevi R and Dr Shameem S** attended the ISACON – 2018, South Zone at Tirupati during 7-9 September 2018.
3. **Dr Sridevi R, Dr Shameem S**, attended the ISACON South Zone – 2018 and Work shop on

“Mechanical Ventilation” at Tirupati during 7-9 September 2018.

4. **Dr Vinay K, Dr Sridevi R, Dr Shameem.S**, attended the Annual CME – 2018 programme at SVIMS Tirupati on 6th September 2018 and delivered guest lectures on

- Mangement of Coronary artery Bypass grafting
- Principle of IABP

5. **Dr Sridevi R**, attended the Work shop on “Sample size calculation” Dept.of Biostatistics at CMC, Vellore during 21-22 December, 2018

1.9 Other academic activities

Dr M.H.Rao, conducted

1. NBE- exams at Calicut Medical College, Calicut during 9-11 May 2018.
2. MCI Assessment MBBS(UG) at Kerala Medical College, Kerala during 1-2 November 2018.
3. DNB Examiner Fortis Escorts Hospital at Jaipur, Rajasthan during 4-6 October 2018.
4. DNB-Accreditation of Critical Care-Sahyadri Hospital, Pune on 29th September, 2018.
5. Member of Selection committee for post of Associate/Additional professor of Neuroanaesthesia and Neuro Critical Care at NIMHANS on 7th July 2018.
6. MCI Assessment of PG – MD (Anaesthesia) of SDM College of Medical Sciences & Hospital at Dharwad, Karnataka on 9th June 2018.

2.0 DEPARTMENT OF ANATOMY

Professor & Head

Dr V. Subhadra Devi

Faculty

Dr J. Vasu Deva Reddy
Dr C. Sreekanth

Dr K. Prathiba
Dr M. K. Lalitha Kumari

K. Thyagaraju

Tutors

Dr. Jagadeesh
B. Ravindra Kumar

D. Kishore Naick

C. Venkataramana

2.1 Awards

Dr V. Subhadra Devi, Professor & Head was received

- **Special appreciation certificate** for outstanding performance from Director cum VC, SVIMS on occasion of Republic Day celebrations -2018.
- **Outstanding performance award** from District collector, Chittoor on occasion of Independence Day Celebrations-2018.

Dr M.K. Lalitha Kumari & Mr C. Venkataramana received NMC best paper award in 17th Regional Society of Anatomist meet 2018 conference at NMC, Nellore during 7-8 July 2018.

2.2 Thesis work

Ongoing Thesis work

1. **Ravindra Kumar B.** Structural changes in adrenal cortex of male wistar rats following stress and treatment with withnea somnefera (Ashwa Gandha) (PhD).
2. **Thyagaraju K.** Morphological and Structural changes of Rat Reproductive system by treating with Ginkgo Biloba. Present status: submitted for IEC and IAEC (PhD).
3. **Kishore Naick D.** Morphological, morphometrical and histological studies in heart valves & coronary vessels of male wistar rats by inducing fatty diet evaluating the effects of statins & niacin on HMG COA Reductase enzyme (PhD).
4. **Lalitha Kumari MK.** Morphological, morphometrical, ultrastructural changes of adenine

induced ckd in adult wistar albino rats by treating with diospyrous melanoxylon. Present status: Preparation for Research Advisory Committee (PhD).

2.3 Dissertation work

Dissertation submitted

1. **Priyanka K.** Sexual differentiation based on morphology and morphometric studies on adult femur (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. **Sreedevi N.** Morphometric studies on human mandible (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Dissertation work

1. **Sai Krishna A** Morphometric study on nutrient foramina in long bone of Rayalaseema region (MSc).
2. **Ravi Shankar.** Morphology and morphometric study of "Pterion in human skull of Rayalaseema population (MSc).

2.4 Orations delivered

Dr V. Subhadra Devi, attended the 3rd Annual Balaji Cardiology Endowment Oration" on 22nd December 2018.

2.5 Conferences attended, Lectures delivered

Dr V. Subhadra Devi, Mr. B. Ravindra Kumar, Participated in Medical Education Conference MEDUCON 2018 on "Mentoring system in Medical Education" at Apollo Institute of Medical

Sciences, Chittoor during 9-10 June 2018

Dr V. Subhadra Devi, Dr J. Vasudeva Reddy, Dr C. Sreekanth, Dr K. Prathiba, Dr M.K.Lalithakumari, Mr.K. Thyagaraju, Mr. C. Venkataramana, & Mr. B. Ravindra Kumar, attended and present the scientific paper in the Regional Anatomist Meet 2018 at NMC, Nellore on 7th July 2018.

Mr. B. Ravindra Kumar, attended at “National Conference of Anatomical Society of India” during 12-14 November 2018 and attended the workshop on Animal Management – AFLAS 2018 congress at Bangalore.

2.6 Publications

1. Abraham RJN, Srinivasan KR, Subhadra Devi V, Koteswary R. Morphometric analysis of human fetal renal development classified according to various gestational periods. *Indian J Anat* 2018;7(3):332-4.
2. Abraham RJN, Srinivasan KR, Subhadra Devi V. Sexual dimorphism on renal development according to gestational age in human aborted fetuses. *J Morphol Anat* 2018;2(1):110.
3. Sofia P, Subhadra Devi V, Chandrasekharan PA, Raviprabhu G. Dermatoglyphic pattern differences in females with reproductive system cancers and its scope in preventive care. *Acad Anat Int* 2018;4(2):32-6.
4. Mohammad R, Kumar MV, Sreelatha S, Velichety SD. Developmental histogenesis of human foetal vermiform appendix at different gestational ages. *Anat Physiol* 2018;8-303.
5. Santhi Ch, Subhadradevi V, Vijaya Ragavan R. Placental Morphometry in different Severit of Hyperensive pregnancies compared with Normotensive. *RJPBCS* 2018;9(6):136-43.
6. Sunil Kumar U, Ajay Prasad V, Vasudeva Reddy J. Significance of body mass index in relation to renal dimensions by using ultrasonograph- a clinical study. *J Dental Med Sci* 2018;17(4):6-13.
7. Vasudeva Reddy J, Sreekanth C, Lokanadham S. A cadaveric study of coronary arteries in Rayalaseema population of Andhra Pradesh. *Indian J Clin Anat Physiol* 2018;5(4):454-6.

Books Authored

Dr V. Subhadra Devi, authored

1. Edited Inderbir Singh's Human Embryology- Jaypee Brother's Medical Publishers. (P) Ltd, 2018, Eleventh Edition ISBN 978-93-5270-115-5.
2. Textbook of General Anatomy with systemic anatomy, Radiological Anatomy, Dissection of Cadaver (Introduction), Case Scenarios & Clinical Applications Book Jaypee Brothers Medical Publishers (P) Ltd, 2018 first edition ISBN 978-93-5290-533-7.
3. Inderbir Singh's Text-Book of Anatomy-3 volumes- editing and revision - in process.

2.7 CMEs/ Workshops/Seminars attended, lectures delivered

Dr V. Subhadra Devi, attended the following

1. Participated and chaired a session in CME on “Disorders of Water Homeostasis” Conducted by the Departments of Biochemistry, Endocrinology & Metabolism and Pharmacology on 3rd March 2018.
2. Chaired a session in NSRI-2018 -7th National seminar on Bioinformatics in March 2018.
3. Chaired a session in the Regional Anatomist Meet 2018 at NMC, Nellore on 7th July 2018 for awarding best presentation.

K. Thyagaraju, B. Ravindrakumar, D. Kishore Naick, attended the workshop on Laboratory Animal Management and Handling at Tamilnadu Veterinary and Animal Sciences University, Chennai during 25-27 April 2018

Dr V. Subhadra Devi, Dr J. Vasudeva Reddy & MrD.Kishore Naick, delivered and chaired a session and Participated as delegate in the CME on “Platelets: Bench to Bed-side” conducted by department of Biochemistry on 27th November 2018.

Dr M.K. Lalithakumari, Mr.K. Thyagaraju, Mr. D.Kishore Naick & Mr. B. Ravindra Kumar, attended workshop on “Pharmacovigilance and Reporting of Adverse Drug Reactions” at SVIMS-SPMC(W) on 29th December 2018.

2.8 Other Academic Activities

1. Dr K.Prathiba - External Examiner for 1st MBBS Students at S.V. Medical College, Tirupati by Dr NTRUHS, Vijayawada to conduct practical exams in July 2018.

3.0 DEPARTMENT OF BIOCHEMISTRY

Senior Professor & Head

Dr P.V.L.N. Srinivasa Rao

Faculty

Dr Aparna R. Bitla
Dr M.M. Suchitra

Dr V.Sri Devi Kiranmayi
Dr N. Harini Devi

Dr M. Kusuma Kumari
Dr T. Silpa

MD Tutor cum PG Junior Residents

Dr N. Lakshmana
Dr Keerthi Thejmitta
Dr Pralayakaveri Jyothsna

Tutors

Dr A.R. Chaitanya
Dr Darshana

PhD Research Scholars

G. Sarvari
K. Rama

P. Pullaiah
T. Sasikala

S. Naresh

3.1 Awards, achievements and felicitations

Dr Aparna R Bitla, Professor was awarded the organizing committee **Best poster award** in the 45th ACBICON at Goa during 24-27 October 2018.

Dr MM Suchitra, Associate Professor was received

1. Serving as Andhra Pradesh state representative in the **Association of Medical Biochemists** of India from 2017-2019 has been identified by the Association of Medical Biochemists of India at the 25th National Conference of AMBI at Mysuru during 17-19 November 2017.
2. Dr Subhashini and Dr Kamalakara Reddy **Endowment Award** for the Best Original Article "Risk Factors for Cardiovascular Disease in Obese Children" during the Silver Jubilee Celebrations of SVIMS University and acknowledging the scientific work and impact factor of this publication bestowed on 26th February 2018.

Dr Keerthi Thej Mitta, Tutor cum PG was awarded **2nd prize** for the oral presentation at State conference of AMBI at NRI Medical College during 28-30 September 2018.

Mr P. Pullaiah, PhD Research scholar was awarded the organizing committee **Best poster** award for the poster on Effect of oral vitamin D supplementation on inflammation in vitamin D deficiency patients with type 2 diabetes mellitus in the 45th ACBICON at Goa during 24-27 October 2018.

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 postmenopausal women with type 2 diabetes mellitus.
2. **Principal investigator:** Dr VS Kiranmayi, **Title:** Study of changes in lipid profile and inflammatory markers in patients with subclinical hypothyroidism on treatment with thyroxine.
3. **Principal investigator:** Dr N. Harini Devi, **Title:** Role of Apoptosis-related Biomarkers Intercellular adhesion molecule-1 and Plasminogen activator inhibitor 1 in Benign and malignant Breast Carcinoma. **Funding agency:** SBAVP
4. **Principal investigator:** Dr Keerthi Thej, **Titles:** "Comparison of two methods for measurement of serum Chloride" and "Comparison of two methods for measurement of bicarbonate".

3.3 Research work

Theses submitted

1. Lakshmana N. Novel urinary biomarkers for early detection of diabetic nephropathy in type2 diabetic patients (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

2. Rama K. Study of microRNAs in breast cancer (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Sarvari G. Role of Adipocytokines in the development of breast cancer (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Keerthi Thej Mitta. Effect of rosuvastatin on oxidative stress in patients with type 2 diabetes mellitus (MD Thesis).
2. Jyothsna P. Glycated albumin and glycated hemoglobin levels in type 2 diabetes mellitus patients with iron deficiency anemia (MD Thesis).
3. Naresh S. Study of anti-atherogenic effects of rosuvastatin in patients with type 2 diabetes mellitus (PhD Thesis).
4. Pullaiah P. Effect of vitamin D supplementation on oxidative stress and inflammation in patients with Type 2 Diabetes Mellitus (PhD Thesis).
5. Sasikala T. Oxidative stress and inflammation in type 2 diabetes mellitus patients with subclinical atherosclerosis (PhD Thesis).

Dissertation work

Dissertation submitted

1. Hymavathi B. Study of serum myeloperoxidase activity in patients with type 2 diabetes mellitus and its association with subclinical atherosclerosis (MSc Dissertation). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Nimeesha G. Study of serum magnesium levels in patients with type 2 diabetes mellitus (MSc Dissertation). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Santhosh Kumar P. Study of association of vitamin D levels with glycemic control in patients with type 2 diabetes mellitus (MSc Dissertation). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Dissertation work

1. Sandya. Association of Bone Isoform Of Alkaline Phosphatase With Glycaemic Status In Patients With Type 2 Diabetes Mellitus. (Msc Dissertation).
2. Sukanya E. To Study The Association Of Salivary Urea With Oral Hygiene Index In Pre Dialysis Patients With Chronic Kidney Disease. (Msc Dissertation).
3. Priya RD. To Study The Levels Of Urinary N-Acetylglucosaminidase In Patients With Type 1 Diabetes Mellitus. (MSc Dissertation).

3.4 Thesis work carried out in collaboration with other departments

Thesis submitted

Dr VS Kiranmayi, was **Co-guide** for the thesis

1. Sowjanya J. Clinical features, precipitating factors, biochemical profile and outcome in relation to in hospital clinical course and outcomes of patients with diabetic ketoacidosis (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018;

Ongoing Thesis work

Dr Aparna R.Bitla, was **Co-guide** for the thesis

1. Pasala Chiranjeevi. (ICMR-JRF). Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori* (PhD Thesis).
2. Katari Sudheer Kumar. (DBT-JRF). In-silico trials to identify potent inhibitors against matrix metalloproteinases in breast cancer (PhD Thesis).
3. Nalamolu Ravina Madhulitha. In silico identification of potential drug targets, vaccine candidates and inhibitor design against *Mycobacterium tuberculosis* (PhD Thesis).

Dr MM Suchitra, was **Co-guide** for the thesis

1. Tushar Sharma. To study the outcome of renal failure in patients of chronic kidney disease following per cutaneous nephrolithotomy for

symptomatic renal calculus disease. (MCh Thesis).

2. Seelabanu P. A study of correlation of serum uric acid levels with glycosylated hemoglobin levels and fasting blood sugar levels in patients with type 2 diabetes mellitus (MD Thesis).
3. Keerth P. Serological characterization of direct antiglobulin test positive autoimmune hemolytic anemia in a tertiary care teaching hospital in Tirupati (MD Thesis).

Dr VS Kiranmayi, was Co-guide for the thesis

1. Mani Deepthi D. Effects of adequate treatment of hyperthyroidism on glycated hemoglobin levels in nondiabetic subjects with hyperthyroidism (DM Thesis).
2. Raghavendra K. Prevalence of autonomic neuropathy in patients with type 2 diabetes mellitus with special reference to cardiac autonomic neuropathy (DM Thesis).
3. Manoj B. Evaluation of renal function after percutaneous nephrostomy or DJ stenting in calculus upper tract obstruction with renal failure” (MCh Thesis).
4. Sunnesh Reddy A. To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas (DM Thesis).
5. Avinash Patil. Body composition and mediators of energy homeostasis in Hyperthyroidism (DM Thesis).
6. Sandeep G. Effect of frequent blood glucose monitoring on glycemic control in Type 1 diabetes mellitus (DM Thesis).
7. Raja Amarendra. Gonadal function and body composition in adult men with non diabetic chronic kidney disease (DM Thesis).
8. Harshavardhan Reddy G. Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study (MD Thesis).
9. Devika Reddy V. A study of prevalence and determinants of thyroid dysfunction in patients with

type 2 diabetes mellitus in a tertiary care hospital (MD Thesis).

Dr N. Harini Devi, was Co-guide for the thesis

1. Sai Sameera N. A study of markers of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease patients on peritoneal dialysis (DM Thesis).
2. Raghu ram Bollineni. Correlation Of Spot Urine Protein Creatinine Ratio With Angiographic Disease Severity In Non Diabetic Stable Coronary Artery Disease. (DM Thesis).
3. Ganesh. A Study of Microalbuminuria In Sepsis With Reference To Acute Physiology And Chronic Health Evaluation II (APACHE II) Score In Patients Admitted To A Medical Intensive Care Unit (MICU) (MD Thesis).
4. Navakiran Reddy. Comparison of Performance Of SOFA And q SOFA Scoring System At The Time Of Admission In Critically Ill patients Who Requires Intubation In Emergency Department (MD Thesis).
5. Vinayakyerra. Clinical Profile Of Hypertensive patients Presenting To Emergency Department (MD Thesis).

3.5 Conferences attended, Lectures delivered

Dr Aparna R Bitla, attended the 45th Annual conference of ‘the Association of Clinical Biochemists of India (ACBICON2018) and presented a paper on Single nucleotide polymorphisms of adiponectin gene in breast cancer’ as a poster and was awarded the ‘Organizing committee best poster award’ at Goa during 24-27 October 2018.

Dr MM Suchitra, attended the following

1. 26th National Conference of Association of Medical Biochemists of India and delivered a lecture in a symposia on “Endocrinology” on ‘Biomarkers of subclinical atherosclerosis in type 2 diabetes mellitus’ at New Delhi during 16-18 November 2018.
2. 2nd AP state chapter of Association of Medical Biochemists at NRI Medical College, Guntur during

29-30 September 2018.

- Presented a poster on “Patterns and prevalence of dyslipidemia in obese persons in Chittoor district”.
- Participated as a panel member for discussion on “Quality control”.
- Chaired a session on “Antinuclear antibodies – Role in autoimmune disease”.

Dr Kiranmayi VS, Dr N. Harini Devi, attended 2nd state conference of the AP Chapter of the Association of Medical Biochemists of India and presented an oral paper on “Study of serum myeloperoxidase activity in patients with type 2 diabetes mellitus and its association with subclinical atherosclerosis” and presented a lecture on ‘Serum magnesium levels in patients with type 2 diabetes mellitus at NRI Medical College, Guntur on 30th September, 2018.

Dr M. Kusuma Kumari, attended the 26th National Annual Conference of Association of Medical Biochemists of India, AMBICON 2018 and presented ‘Lab Physicians: Need of clinicians’ in Lady Hardinge Medical College, New Delhi during 16-18 November 2018.

Dr Silpa T, attended the state conference at NRI Medical College, A.P. during 28-30 September 2018.

3.6 Presentation by postgraduate students

Dr Keerthi Taj Mitta, (MD Resident) attended 2nd State Conference of the AP Chapter of Association of Medical Biochemists of India and presented a paper on To study the levels of urinary N-Acetyl glucosaminidase for early detection of diabetic nephropathy in patients with type 2 diabetes mellitus at NRI Medical College, Guntur during 28-30 September 2018.

3.7 Publications

1. Naresh S, Bitla AR, Sachan A. Utility of Saliva for Measurement of Thyroid Hormones. *Indian J Med Biochem* 2018;22(1):36-40.
2. Latheef K, Rajasekhar D, Vanajakshamma V, Aparna BR, Chaudhury A, Sarma PVGK. Association of MTHFR, IL-6 and ICAM-1 gene Polymorphisms with Coronary Artery Disease in South-Indian Ethnic Subset: A Case-Control Study. *J Cardiovasc Disease Res.* 2018; 9(3):115-22.
3. Udaya Bhaskar K, Harini Devi N, Aparna R.Bitla, Srinivasa Rao PVLN, Siva Kumar V, Alok Sachan. Ischemia Modified Albumin Levels in Patients with Diabetic Nephropathy. *Turk J Endocrinol Metab* 2018;22(3):145-50.
4. Sandeep P, Aparna R.Bitla, G.Sarvari, SrinivasaRao PVLN, N.HariniDevi, Siva Kumar V. Assessment of cardiovascular risk in patients with chronic kidney disease –A study from a tertiary care centre in south India. *J Indian College of Cardiol* 2018;8(4):195-9.
5. Pasala C, Chilamakuri CSR, Katari SK, Madhulitha Nalamolu R, Bitla AR, Aminen U. Epitope-driven common subunit vaccine design against *H. pylori* strains. *J Biomol Struct Dyn* 2018;24:1-11.
6. Pasala C, Chilamakuri CSR, Katari SK, Nalamolu RM, Bitla AR, Umamaheswari A. An in silicostudy: Novel targets for potential drug and vaccine design against drug resistant *H. pylori*. *Microb Pathog* 2018;122:156-61.
7. Naresh Y, Srinivas N, Vinapamula KS, Pullaiah P, Rao PS, Sivakumar V. Carbamylated hemoglobin can differentiate acute kidney injury from chronic kidney disease. *Indian J Nephrol* 2018;28:187-90.
8. Pullaiah P., Suchitra M. M., Siddhartha Kumar B. Protein carbonyls and protein thiols in rheumatoid arthritis. *Int J Res Med Sci* 2018;6(5):1738-41
9. Arava TN, Durgaprasad R, Velam V, Gajjala OR, Neelam VK, Manohar SN. Spontaneous left atrial echo contrast, mitral annular systolic velocity and left atrial appendage late emptying velocity in predicting left atrial function after percutaneous balloon mitral valvuloplasty. *Echocardiography* 2018;35(2):162-9.
10. Chaitanya V, Harini Devi N, Suchitra MM, Srinivasa Rao PVLN, Vijaya Lakshmi B, Siva Kumar V. Osteopontin, Cardiovascular Risk Factors and Carotid Intima-Media Thickness in Chronic Kidney Disease. *Indian J Nephrol* 2018;28(5):358-64..
11. Sangeetha Lakshmi B, Harini Devi N, Suchitra MM, Srinivasa Rao PVLN, Siva Kumar V. Changes in inflammatory and oxidative stress markers during a single hemodialysis session in patients with

- chronic kidney disease. Ren Fail 2018;40(1):534-40.
12. Krishna Kishore Ch, Harini Devi N, SrinivasaRao PVLN, Lakshmi A Y, Siva Kumar V. A Study of markers of oxidative stress, inflammation and Endothelial dysfunction in End-Stage Renal Disease patients with Hepatitis C virus positive status on maintenance Hemodialysis. J Clin Diagnos Res 2018;12(6):17-20.
 13. Pavithra C, Harini Devi N, Lalith Kumar P, Lakshmi Sowjanya N, Anitha K, Siva Kumar V. Pill burden, drug class distribution and financial burden for buying medicines in different modalities of chronic kidney disease patients: cross-sectional study. Int J Pharm Pharmaceutical Sci 2018;10:165-70.
 14. K.UdayaBhaskhar, Harini Devi. N, Aparna.R.Bitla,Srinivasa Rao . PVLN ,Siva kumar. V ,Aloksachan . B Ischemia modified albumin levels in patients with diabetic nephropathy. The Turkish Journal of Endocrinology and Metabolism. 2018;22:145-50.
 15. Harini Devi Nimmanapalli, PasupuletiPullaiah, Suresh vakkakara, Srinivasa rao PVLN. A Study of Nontraditional Biochemical Markers and Their Relation to the Level of Fasting Glycemia in Patients with Type2 DiabetesMellitus. The Turkish Journal of Endocrinology and Metabolism. 2018;22:225-230
 16. Yerra Monika, Minnal Devarajan Priyanka, Musolu Chandu, Harini Devi N, Siva kumar V. Antibioqram And Management Outcomes Of Culture Positive Peritonitis In Patients With End Stage Renal Disease On Continuous Ambulatory Peritoneal Dialysis. Int J Pharma Sci Res 2018;9(9):121-7
 17. Uma D. Malempati, Kusuma K. Medooru. Evaluation of Adenosine deaminase activity in serum and pleural fluid of pulmonary tuberculosis patients with pleural effusion. International journal of Research in medical sciences Volume 6, Issue 10; October 2018 PP: 3358-3363. DOI: 10.18203/2320-6012.ijrms20184046.
 18. Silpa T, Madhavi K, Laxmi P, Nagadas P. Biomarkers of oxidative stress and inflammation in patients with Rheumatoid Arthritis. Saudi J. Med. Pharm. Sci 2018; 4:879-3.
 19. Silpa T, Madhavi K, Palla N, Pasupurekula L.A Comparative study of lipid profile and Atherogenic index of plasma among women with Rheumatoid arthritis and without Rheumatoid Arthritis. JMSCR 2018; 6:452-8.

Original article

1. Sasanka P, Geetha K, Kiranmayi VS, Sivakumar Vishnubhotla. Dietary Recall and Nutritional Index in Continuous Ambulatory Peritoneal Dialysis Patients. The Indian journal of nutrition and dietetics 2018;55:345-55.

3.8 CMEs/ Seminars/ Workshops/ Orations conducted by the Dept.

1. 3rd Biochemistry Dr B. Naganna Oration continuing medical education programme on “Platelet Biochemistry: Activation, aggregation and signal transduction” at SVIMS, Tirupati on 27th November 2018.
2. Joint CME conducted with Dept of Endocrinology and Department of Pharmacology on ‘Water and electrolyte balance’ on 3rd March 2018.
3. Conducted a CME on “Biochemistry of platelets: Bench to bedside” on 27th November 2018.

3.9 Workshop attended

1. **Dr Aparna R Bitla, Dr N. Harini Devi and Dr VS Kiranmayi** attended workshop on “Continual quality improvement: Tools and techniques” organized by National accreditation Board for Health and healthcare providers at Chennai on 16th December 2018.

3.10 Other academic activities

Dr PVLN Srinivasa Rao, attended the following

1. MCI Inspector during 30th January - 1st February 2018.
1. Examiner for 1st MBBS practical exams at Annamalai University, Chennai on 26th March 2018.
2. MD Examiner at Manipal University during 9-10

April 2018.

3. Delivering Guest Lecture at Care Hospital, Hyderabad on 5th May 2018.
4. As an Examiner at BLDE university during 5-6 May 2018.
5. As an Examiner for PhD Viva Voce at Vijayawada during 16-17 November 2018.

Dr Aparna R.Bitla, attended the following

1. As external examiner for MD practical exam at Nizam's Institute of Medical Sciences, Hyderabad during 10-11 September 2018.
2. A training session on 'Continuous quality

improvement: Tools and techniques' organized by NABH at Chennai on 16th December 2018.

Dr MM Suchitra, attended the following

1. A training programme on "Quality management systems and internal audit in medical laboratories as per ISO 15189:2012" held at S.V. Medical College during 9-12 January 2018.
6. As an External Examiner for Ist MBBS examination at Siddaiah Institute of Medical Sciences, Shivamoga in July 2018.
7. As an External Examiner for Ist MBBS examination at Father Muller Medical College, Mangalore on 26th September, 2018.

Dr N. Harini Devi, attended NABH related visit on the hospital infection control at CMC, Vellore on 15th February 2018.

4.0 DEPARTMENT OF BIOINFORMATICS

Associate Professor & Head

Dr A. Umamaheswari

Teaching Assistant

Mrs. PakalaSivaranjani

PhD Research Scholars

Mr. Pasala Chiranjeevi
Mr. Katari Sudheer Kumar

Ms. Nalamolu Ravina Madhulitha
Ms. Sharon Priya Alexander

Mrs. Pakala Sivaranjani
Mr. Vankadoth Umakanth Naik

4.1 Awards, achievements and felicitations

1. Umakanth Naik V, Ravina Madhulitha N, Sudheer Kumar K, SivaRanjani P, Sharon Priya Alexander and Umamaheswari A. Novel activator design for Parkinson's disease by targeting Tyrosine hydroxylase was published, presented and appreciated as the **best poster** in IPTCON 2018, a DST-CURIE two day National Conference on Innovative Research Trends in Drug Discovery organized by Institute of Pharmaceutical Technology, SPMVV University, Tirupati during 21-22 March 2018.
2. Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Sharon Priya Alexander, Aparna R. Bitla and Umamaheswari A. Common target based inhibitor design with integration of computational Core Hopping, multitier docking and dynamic simulations against H. pylori strains was presented, published and awarded as the **best poster** in 7th National seminar on Bioinformatics organized by Department of Bioinformatics, SVIMS during 14-15 March 2018.

4.2 Fellowships received

1. **Ms. Nalamolu Ravina Madhulitha**, received **ICMR-SRF** for research project entitled "*In silico* identification of potential targets, vaccine candidates and inhibitor design against *Mycobacterium tuberculosis*" on 22nd June 2018.
2. **Ms. Sharon Priya Alexander**, received **DST-JRF** under the project entitled "Potential drug targets identification and inhibitor design for human breast cancer through transcriptomic analysis".
3. **Mrs. Pakala Sivaranjani**, provisionally selected

for **DST-JRF** under the project entitled "Identification of potential drug targets and inhibitor design against human cervical cancer".

4.3 Research projects

Research Projects completed

1. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Multiple docking strategies and pharmacophore design for amyloid pathway proteins. **Funding agency:** Indian Council of Medical Research (ICMR), Govt. of India, New Delhi, 2015-18.

Ongoing Research Projects

Principal Investigator: Dr A. Umamaheswari

1. Creation of BIF for promotion of BTBI by DBT. **Funding agency:** Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India. New Delhi, 2006-2020.
2. Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori*, **Funding agency:** Indian Council of Medical Research (ICMR), Govt. of India, New Delhi, 2014-19.
3. 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.
4. 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.

5. Envisaging the mechanistic role of exopolysaccharide elicitors from fungal endophyte in the induction of triterpene saponin biosynthetic pathway genes and signaling components. **Funding agency:** Department of Science and Technology (DST), Govt. of India, New Delhi, 2017-20.

4.4 Research works

Theses submitted

1. Pasala Chiranjeevi. Computer aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori* (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Katari Sudheer Kumar: In silico trials to identify potent inhibitors against matrix metallo proteinases in breast cancer (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Nalamolu Ravina Madhulitha: Computer aided approach to identify potential drug targets and potent lead molecules against *Mycobacterium tuberculosis* (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
4. Sharon Priya Alexander. Potential drug target identification and inhibitor design for human breast cancer through transcriptomic analysis (PhD). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
5. PakalaSivaranjani. Identification of potential drug targets and inhibitor design against human cervical cancer (PhD Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
6. Vandkadoth Umakanth Naik. Design of lead roles to manage Parkinson's disease (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

4.5 Conferences attended or lectures delivered

Dr A. Umamaheswari, attended the following

1. National conference on Current challenges in drug

discovery and development and delivered a lecture on "Bioinformatics strategies in Drug Discovery" at Sri Venkateswara University, Tirupati on 17th November 2018.

2. SPMVV Society for Innovation Incubation and Entrepreneurship Technology Business Incubator (SSIIE-TBI) and delivered a lecture on "Structural challenges in Drug Design" at SPMVV, Tirupati during 26-28 April 2018.

International

1. **Ravina Madhulitha N, Chiranjeevi P, Sudheer Kumar K and Umamaheswari A.**, attended Epitope-based vaccine design for *Mycobacterium tuberculosis* strains through Pan-Genomic reverse vaccinology was presented and published in the 5th Global Forum on TB Vaccines organized at New Delhi during 20-23 February 2018.
2. **Chand Basha D, Sudheer Kumar K, Umamaheswari A, Sreenivasulu Reddy M and Rajarami Reddy G**, attended Manganese-induced Brain Mitochondrial Dysfunction is Associated with Impaired Motor Functions in Rats: Protection with Nutrient Metal Mixture Supplementation was published, presented and received travel award in 10th Congress of Toxicology in Developing Countries (CTDC10), 12th Congress of the Serbian Society of Toxicology (12th SCT) organized by International Union of Toxicology (iutox), Belgrade, Serbia during 18-21 April 2018.

National

87th Annual Conference of Society of Biological Chemists (India) "Genome Biology in Health and Disease" organized by School of Life Sciences, Manipal Academy of Higher Education, Manipal during 25-27 November 2018.

1. Sudheer Kumar K, Chiranjeevi P, Ravina Madhulitha N, Aparna R. Bitla and Umamaheswari A, attended Molecular dynamics simulations of matrilysin with potent inhibitor targeting S1' pocket was published and presented as Poster
2. Chiranjeevi P, Sudheer Kumar K, Ravina Madhulitha N, Sharon Priya Alexander, Aparna R. Bitla and Umamaheswari A, attended Structural

insights, binding-mode assessments and dynamic simulations for designing new inhibitors against 3-dehydroquinase dehydratase of *H. pylori* was published and presented as Poster.

3. Ravina Madhulitha N, Chiranjeevi P., Sudheer Kumar K., Aparna R. Bitla and Umamaheswari A. Discovery of common putative drug targets and vaccine candidates for *Mycobacterium tuberculosis* sp. was published and presented as Poster.

7th National seminar on Bioinformatics organized by Department of Bioinformatics, SVIMS, Tirupati during 14-15 March, 2018.

4. Pradeep N, Sudheer Kumar K, Sandeep S, Hema K, Vengamma B and Umamaheswari A. Novel Agonist Design for BDNF with Core Hopping Approach was published and presented as Oral
5. Varalakshmi Devi K., Rajitha G., Umamaheswari A and Sudheer Kumar K. Synthesis and biological evaluation of 1,3,4 thiadiazole derivatives of biphenyl- 4-yloxy acetic acid was published and presented as Oral
6. Sudheer Kumar K., Chiranjeevi P., Ravina Madhulitha N., Sharon Priya Alexander and Umamaheswari A. Interstitial safeguard by designing inhibitors targeting MMP-1 in cancers was published and presented as Oral.
7. Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander., Aparna R. Bitla and Umamaheswari A. Common target based inhibitor design with integration of computational Core Hopping, multitier docking and dynamic simulations against *H. pylori* strains was presented, published and awarded as the best poster.
8. Sri Harsha S., UmakanthNaik V., Siva Ranjani P and Umamaheswari A. Homology modeling of SecA translocase and its role in *Streptococcus pneumoniae* was published and presented as Poster.
9. Rishi Gowtham R., Sudheer Kumar K., Nagaraja M., Madhavilatha P., Padmalatha AM., Umapathi N., Umamaheswari A and Usha Kalawat. Analysis of dengue envelope protein for assessing the predominant circulating serotypes of dengue in south eastern Andhra Pradesh, India was published

and presented as Poster.

10. Parvati Priyanka P., Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander and Umamaheswari A. Exploring the activities of penicillin binding protein of *S. pneumoniae* by homology modeling was published and presented as Poster.
11. Bhuvaneswari P., Chiranjeevi P., Sudheer Kumar K., Ravina Madhulitha N., Sharon Priya Alexander and Umamaheswari A. In silico structural development and validations of FabZ target for drug design against of *Streptococcus pneumoniae* was published and presented as Poster.

UmakanthNaik V, Ravina Madhulitha N, Sudheer Kumar K, SivaRanjani P, Sharon Priya Alexander and Umamaheswari A. Novel activator design for Parkinson's disease by targetting Tyrosine hydroxylase was published, presented and appreciated as the best poster in IPTCON 2018, a DST-CURIE two day National Conference on Innovative Research Trends in Drug Discovery organized by Institute of Pharmaceutical Technology, SPMVV University, Tirupati from 21st to 22nd March, 2018.

4.6 Publications

1. Swapna D, Rajitha G, Umamaheswari A, Sudheer Kumar K. Synthesis, molecular docking studies and antimicrobial activity of Mannich bases of thiazolidine-2,4-diones. *International Research Journal of Pharmacy* 2018; 9(11): 138-144.
2. Chiranjeevi P., Chandra Sekhar Reddy C., Sudheer Kumar K., Ravina Madhulitha N., Aparna R. Bitla and Umamaheswari A (2018) Epitope-driven common subunit vaccine design against *H. pylori* strains. *Journal of Biomolecular Structure and Dynamics.*; Doi: 10.1080/07391102.2018.1526714.
3. Aamir M, Singh VK, Dubey MK, Meena M, Kashyap SP, Sudheer Kumar K, Upadhyay RS, Umamaheswari A and Singh S (2018) In silico Prediction, Characterization, Molecular Docking, and Dynamic Studies on Fungal SDRs as Novel Targets for Searching Potential Fungicides Against *Fusarium Wilt* in Tomato. *Frontiers in Pharmacology.* 9; 1038. doi: 10.3389/fphar.2018.01038.

4. Saritha K., Rajitha G., Sudheer Kumar K and Umamaheswari A (2018) Synthesis, molecular docking studies and antimicrobial activity of substituted cinnamides. *International Journal of Pharmacy and Biological Sciences.*; 8(3): 770-778.
5. Pasala C, Chilamakuri CSR, Katari SK, Nalamolu RM, Bitla AR, Umamaheswari A. An in silico study: Novel targets for potential drug and vaccine design against drug resistant H. pylori. *Microb Pathog* 2018;122:156-61.
6. Soujanya M., Rajitha G., Umamaheswari A and Sudheer Kumar K (2018) Synthesis, -Biological Evaluation and Docking Studies of N-(2-benzamido feruloyl) Aryl Hydrazone Analogues. *Letters in Drug Design & Discovery.*; 15(8): 875-886.
7. Subash KR, Britto GF, Kumar KS, Umamaheshwari A, Konda VCR, Prakash BG. Analgesic activity of *Alpinia galanga* extract in mice models and TNF- α receptor computational docking analysis on its leads with pharmacokinetics prediction. *Int J Basic Clin Pharmacol* 2018;7:446- 50.

4.7 CMEs/ Seminars/ Workshops/Orations conducted by the Dept.

7th National Seminar on Bioinformatics was organized by the Department of Bioinformatics at SVIMS during 14-15 March 2018.

4.8 CMEs/ Seminars/ Workshops attended

1. P. Chiranjeevi participated in Faculty Development Programme on Innovation & Entrepreneurship Development Sponsored by Department of Science and Technology (DST), New Delhi organized by Center for SPMVV Innovation Society & National

Institute for Micro, Small and Medium Enterprises at Tirupati during 3-15 December 2018.

2. V. Umakanth Naik participated Structural Biology & Phylogenetic Analysis organized by SPMVV Society for Innovation Incubation and Entrepreneurship Technology Business Incubator (SSIIE-TBI) at SPMVV, Tirupati during 26-28 April 2018.
3. P. Siva Ranjani participated Structural Biology & Phylogenetic Analysis organized by SPMVV Society for Innovation Incubation and Entrepreneurship Technology Business Incubator (SSIIE-TBI) at SPMVV, Tirupati during 26-28 April 2018.

4.9 Other academic activities

1. Fourth Bioinformatics Infrastructure Facility (BIF) Executive Committee (EC) meeting of SVIMS Bioinformatics Centre in the committee Hall of SVIMS. Dr T. Madhan Mohan, Advisor, DBT, New Delhi attended the EC meeting as DBT nominee on 8th March 2018.
2. Guest lecture by Prof. Balaji Prakash, CFTRI, Mysuru to deliver a lecture on the topic "Structural Bioinformatics of key bacterial enzymes for the design of new antibiotics" was organized by Department of Bioinformatics, SVIMS on 3rd August 2018.
3. Research activities like Short term trainings includes workshops, assisting dissertations and research works within the University and with the neighboring Universities.
4. Long term trainings like offering studentships and traineeships.

5.0 DEPARTMENT OF BIOTECHNOLOGY

Associate Professor & Head

Dr PVGK Sarma

Teaching Assistant

Mr. P. Santhosh Kumar

Ph.D Research Scholars

S. Subbarayudu
K. Surekha

G. Deepika
E.L. Samundeswari

K. Sireesha

5.1. Research projects

Research projects completed

1. **Principal Investigator:** P. Santhosh Kumar, **Title:** In vitro differentiation and characterization of cultured human CD34 positive stem cells into hepatocytes, erythrocytes and platelets. **Funding agency:** SBAVP, SVIMS.

5.2 Research work

Ongoing Thesis work

1. **Subbarayudu S.** Molecular characterization of 4-methoxy 1-methyl 2-oxopyridine 3-carbamide (MMOXC) showing anti *Staphylococcus aureus* and anti-biofilm properties (PhD Thesis).
2. **Deepika G.** Molecular characterization of proteases in *Staphylococcus aureus* ATCC 12600 showing anti-biofilm properties (PhD Thesis).
3. **Surekha K.** In vitro generation of mesangial cells from human hematopoietic stem cells (PhD Thesis).
4. **Sireesha K.** In vitro generation of keratinocytes from human hematopoietic stem cells (PhD Thesis).
5. **Samundeswari E.L.** In vitro generation of chondrocytes from human hematopoietic stem cells (PhD Thesis).

Dissertation Work

Dissertation Submitted

1. Jhansi P. Identification of Alkaline phosphatase in the culture filtrate of *Staphylococcus aureus* ATCC12600 and multi drug resistance of *S. aureus* strains (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

2. Jeevitha R. Cytotoxic Effect of capsaicin on breast cancer MCF-7 cell line (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Kiranmai GM. Cytotoxic effect of ginger extract on mcf-7 cell line (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
4. Shareef BM. Determination of Lactate Dehydrogenase (LDH) enzyme activity in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
5. Parasuram K. Identification of Acid phosphatase in the culture filtrate of *Staphylococcus aureus* ATCC12600 and multidrug resistance strains of *Staphylococcus aureus* (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
6. Rohil Kumar K. Constitutive expression of α -globin gene promotes erythrocytes differentiation from CD34⁺ stem cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
7. Sreelakshmi. R. Nair. Diosgenin targets *akt* mediated pro-survival signalling in mcf-7 breast cancer cells (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
8. Umamaheswari M. Effect of curcumin on mcf-7 cell line (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
9. Venkata Surendra D. Identification of N-Acetyl transferase in *Staphylococcus aureus* ATCC12600 and multi drug resistance strains of *Staphylococcus aureus*. (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

10. Yogitha Iyer. Identification and characterization of CD34⁺ stem cells in *in vitro* culture (MSc). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Thesis work done in collaboration with other departments

Dr PVGK. Sarma was *Co-guide* for the following thesis

Thesis Submitted

1. Sowjanya G. Genetic polymorphism of cytochrome P450 is associated with endothelial dysfunction in the patients with coronary artery disease (PhD Thesis).
2. Sreedhar Naik K. Genetic polymorphism of LTA, BAT1 and NFKBIL1 genes in patients with myocardial infarction (PhD Thesis).
3. Dr Praveena V. Estimation of plasma EGFR mutation status and its correlation with tumour tissue EGFR mutation status in advanced non-small cell lung cancer patients (DM Thesis).

Ongoing Thesis work

1. Dr Rakesh Reddy R. A study on association of CYP2C9 polymorphisms with phenytoin toxicity (DM Thesis).
2. Dr Sunnesh Reddy. To study the risk factor profile for thrombophilia in patients of ESRD on maintenance hemodialysis with failed AV fistulas (DM Thesis).
3. Dr Ram Prahladha KM. To evaluate the role of circulating human DNA for accessing tumor response to chemotherapy in triple negative Breast carcinoma (DM Thesis).

5.3 Conferences/ symposium / workshops attended, lectures delivered

International

Dr PVGK. Sarma, attended the following

1. 50th ISHACON and delivered guest lecture on “Regenerative medicine, Applications of stem cells in the area of communication disorders” at Genetics of speech and hearing, Mysuru on 4th January 2018.

2. International Symposium on molecular medicine and delivered guest lecture on “Regenerative therapies for damaged podocytes” at SGPGIMS; Lucknow during 14-16 December 2018.
3. Biomaterials, Bioengineering and Biotheranostics (BioMET 2018) at VIT, Vellore during 24-27 July 2018 and delivered guest lecture on the following
 - Stem Cells for Health
 - Human CD34⁺ Cells differentiate to multiple cell lineages making it an effective cell in the regenerative medicine.

National

1. Innovations and Future Challenges in Biotechnology and delivered guest lecture on “The differentiation potential of Human Hematopoietic stem cells in to various types of cells of human body” at Sri Venkateswara University, Tirupati during 26-28 March 2018.
2. Teacher training programme and delivered guest lecture on “Differentiation of Stem cells into different human cell types” at UGC Academic staff college, Sri Venkateswara University, Tirupati on 12th November 2018.
3. Teacher training programme and delivered guest lecture on “Stem Cells in human health” at UGC Academic staff college, SV University, Tirupati on 20th November 2018.

5.4 Presentations by postgraduate students

Santhosh Kumar P, Chandrasekhar C, Srikanth L, Sarma PVGK. Presented a poster on “*In vitro* differentiation potential of megakaryocytes to functional platelets from cultured human hematopoietic CD34⁺ stem cells” at Vellore Institute of Technology (VIT), Vellore, Tamil Nadu during 26-28 July 2018.

5.5 Publications

1. Santhosh Kumar P, Chandrasekhar C, Srikanth L, Sarma PVGK. In vitro large scale production of megakaryocytes to functional platelets from human hematopoietic stem cells. *Biochem Biophys Res Commun* 2018;505(1):168-75.

2. Dharaniprasad G, Samantaray A, Hanumantha Rao M, Chandra A, Sarma PVGK. Association of G472A allele of membrane bound catechol-O-methyltransferase gene with chronic post-sternotomy pain. *Gen Thorac Cardiovasc Surg* 2018. doi: 10.1007/s11748-018-0981-3. [Epub ahead of print]
 3. Prasad BCM, Chandra VVR, Sudarsan A, Santhosh Kumar P, Sarma PVGK. Clinical characteristics and NF1 gene mutation analysis of three successive generations in three different Indian families with neurofibromatosis type 1 and peripheral nerve sheath tumours. *J Clin Neurosci*. 2018;53:62-8.
 4. Swarupa V, Chaudhury A, Sarma PVGK. Iron enhances the peptidyl deformylase activity and biofilm formation in *Staphylococcus aureus*. *3 Biotech*. 2018;8(1):32.
 5. Erathi HV, Durgaprasad R, Velam V, Sarma PVGK, Rodda M, C K, Kanavath SN. Evaluation of On-Clopidogrel platelet reactivity overtime, SYNTAX SCORE, genetic polymorphisms and their relationship to one year clinical outcomes in STEMI patients undergoing PCI. *Minerva Cardioangiol*. 2018;66(1):16-25.
 6. Chandrasekhar C, Santhosh Kumar P, Sumanth Kumar M, Sarma PVGK. A study of parietal cell and intrinsic factor antibodies in b12 deficiency Anaemias: a non-gastroscopic descriptive analysis in a university teaching hospital, India. *Inter J Sci Res*. 2018;7(2):27-33.
 7. Sreedhar Naik K, Rajasekhar D, Vanajakshamma V, Santhosh Kumar P, Sreenivasa Reddy D, Sarma PV. Identification and analysis of novel mutations in NFKBIL1 gene in patients with Myocardial infarction (MI) in south India. *Inter J Sci Res*. 2018;7(5):28-31.
 8. Praveena V, Kannan T, Bhargavi D, Sarma PVGK, Shilpa K, Santhosh Kumar P. Estimation of plasma epidermal growth factor receptor (EGFR) mutation status and its correlation with tumor tissue egfr mutation status in advanced non-smallcell lung cancer patients. *Indian J Appl Res*. 2018;8(6):196-200.
 9. Chandrasekhar C, Santhosh Kumar P, Sarma PVGK. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in Chronic Myeloid Leukemia patients. *Scientific Reports (Nature Publishing Journal)*. 2018 (Accepted).
- 5.6 Workshops conducted by department**
- National workshop on “Basics of cell culture techniques” was conducted during 20-28 April 2018.
- 5.7 Other academic activities**
- Dr PVGK Sarma submitted the following Gen Bank submissions to NCBI.**
- Homo sapiens isolate P1-P30 ABL protooncogene 1 nonreceptor tyrosine kinase (ABL1) gene exon 5, exon 6, exon 7 and partial cds. Accession numbers: MG641938.1 to MG641958.1.

6.0 DEPARTMENT OF CARDIOLOGY

Senior Professor & Head

Dr D. Rajasekhar

Faculty

Dr V. Vanajakshamma
Dr Kiran Kumar K

Dr Ch Narendra
Dr D. Sreenivasa Reddy

Dr N. Vinod Kumar

DM PG Senior Residents

Dr Palem Sumanth Reddy
Dr Suresh Babu Tupakula
Dr M. Naga Narasimha Reddy
Dr S. Praveen Kumar Reddy

Dr Nagaraja Reddy Challa
Dr M. Raja Naga Mahesh
Dr V. Ravindra Dev
Dr B. Raghuram

Dr Chandrasekhar Reddy P
Dr Madhava Naidu Yandrapu
Dr Gajula Rampavan Kumar

6.1 Awards, Achievements and Felicitations

Dr D. Rajasekhar was felicitated by

1. Thrombosis Research Institute, the CRO of Garfield Trial felicitated at Hong Kong for outstanding performance from India in Garfield Registry on 2nd June 2018.
2. Took over as president of the Andhra Pradesh chapter of Cardiological society of India at Vijayawada in August 2018.
3. Assumed office as national Vice - President of Indian College of cardiology at New Delhi in September 2018.
4. Served as a Referee for **best poster award** at the National CSI conference at Mumbai during 22-25 December 2018

Dr V. Vanajakshamma was felicitated by

1. Women employees of TTD on the occasion of International Women's Day at SPW Degree & PG College, Tirupati on 8th March 2018.
2. Star Welfare Society on the occasion of International Women's Day at Daamineedu, Tirupati on 8th March 2018.

Dr T. Suresh babu, Senior Resident and Postgraduate student in Cardiology was awarded for **Best oral paper** presentation ICCCON-2018 for his paper titled "Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to

predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease" at New Delhi during 14-16 September 2018.

Dr P. Sumanth Reddy, Senior Resident and Postgraduate student in Cardiology was awarded for **best Poster** presentation award in APCSI-2018 for his poster titled "Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test in rheumatic severe mitral stenosis" at Vijayawada during 11-12 August 2018.

Mr. K. Sreedhar Naik, won the

- **Second Best Poster** award in 7th National Seminar on Bioinformatics at SVIMS, Tirupati during 14-15 March 2018.
- **Best Poster award** in National conference on Innovations and future challenges in Biotechnology (NCIFB-2018) at SV University, Tirupati during 26-28 March 2018.

6.2 Research Projects

Research Projects completed in 2018

1. **Principal Investigator:** Sreenivasa Reddy D. **Title:** Determinants of total ischemic TIME in primary percutaneous coronary interventions - a prospective analysis. **No funding.**
2. **Principal Investigator:** Kiran Kumar K. **Title:** Cardiac ailments in pilgrims admitted in Sri Venkateswara Institute of medical sciences, Tirupati - a 2 year analysis. **No funding.**

3. **Principal Investigator:** Vinod Kumar N. **Title:** A comparative study of clinical profile and outcomes of patients with ischemic and non-ischemic complete heart block. **No funding.**
4. **Co-Investigator:** V.Vanajakshamma. **Title:** Early detection of diastolic dysfunction in asymptomatic patients with type 2 diabetic mellitus". [Physiology] **No funding.**
5. **Co-Investigator:** V.Vanajakshamma. **Title:** Spectrum of Rheumatic heart disease and its prescribing patterns. **No funding.**
6. **Co-Investigator:** V.Vanajakshamma. **Title:** Prescribing patterns of cardiovascular medications in congestive heart failure. **No funding.**
7. **Co-Investigator:** V.Vanajakshamma. **Title:** Prevalence of Anxiety, Depression, Sleep disorders and its management in cardiovascular disease patients. **No funding.**
8. **Co-Investigator:** V.Vanajakshamma. **Title:** A study on prescribing pattern and drug utilisation in acute coronary syndrome patients. **No funding.**
2. Heartfulness Meditation - Role in management of Stress.
3. Arterial stiffness in non-hypertensive type 2 diabetes patients.
4. Congenital heart defects among children with Down syndrome in a tertiary care centre, Tirupati.
5. Outcome of patients with heart failure with preserved ejection fraction in patients admitted to SVRRGGH, Tirupati.
6. Prescribing patterns of Anti-hypertensive drugs in hypertension associated with diabetes patients and assessment of depression, anxiety and stress in these patients.
7. A prospective study of prescribing patterns and adverse drug reactions in pulmonary hypertension patients.

Ongoing research projects:

Dr D. Rajasekhar as principle investigator

1. A randomized, double-blind, placebo-controlled, event driven trial of quarterly subcutaneous canakinumab in the prevention of recurrent cardiovascular events among stable post-myocardial infarction patients with elevated hsCRP. [Multicentre trial — Novartis Healthcare India Pvt Ltd].
2. Global Anticoagulant Registry In the FIELD (GARFIELD): Prospective, multicentre, international Registry of male and female patients newly diagnosed with atrial fibrillation. [Multicentre trial – Thrombosis Research Institute, London].
3. SVIMS has enrolled as a sub centre under the nodal centre JIPMER in the National Heart Failure Registry of ICMR.

Principle investigator: Dr V. Vanajakshamma.

1. Effect of Heartfulness Meditation Practices in Hypertensive.

6.3 Research work

Theses Submitted

1. Sreenivasa Reddy D. Usefulness of 128-slice multidetector computed tomography in diagnosis of coronary artery disease in patients with chest pain and negative or nondiagnostic exercise treadmill test result (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Kiran Kumar K. Study of correlation between CHA2DS2-VASc score, SYNTAX score and carotid intima –media thickness in patients with coronary artery disease. (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Narendra Ch. Role of Real-time trans thoracic three dimensional echo-cardiography score (RT-TT3DE score) in predicting the immediate outcomes of percutaneous transvenous mitral commissurotomy (PTMC) (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
4. Vinod Kumar C. Correlation of clinical risk scores with angiographic extent of coronary artery disease in patients with non ST-elevation myocardial infarction /unstable angina and their effects on 6 months outcomes (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

5. Sreedhar Naik K. Genetic polymorphism of LTA, BAT1 and NFKBIL1 genes in patients with myocardial infarction (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
6. Sowjanya G. Genetic polymorphism of Cytochrome P450 is associated with endothelial dysfunction in patients with coronary artery disease (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Suresh babu T. Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease (DM Thesis).
2. Sumanth Reddy P. Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis (DM Thesis).
3. Praveen Kumar Reddy S. Right ventricular strain, strain rate and pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis (DM Thesis).
4. Naganarasimha Reddy M. Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months (DM Thesis).
5. Raghuram Bollineni. Correlation of spot urine protein creatinine ratio with angiographic disease severity in non diabetic stable coronary artery disease (DM Thesis).
6. Vechalapu Ravindra Dev. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy (DM Thesis).
7. Nagaraja Reddy Challa. Electrocardiographic identification of the culprit coronary artery and correlation with angiographic culprit lesion in

patients with acute ST elevation myocardial infarction (DM Thesis).

8. Raja Naga Mahesh M. Effects of successful percutaneous transvenous mitral commissurotomy on acute and intermediate term aortic stiffness in critical rheumatic mitral stenosis (DM Thesis).
9. Ravindra Dev V. Left ventricular global longitudinal strain following revascularization in acute ST elevation myocardial infarction – A comparison of primary angioplasty and fibrinolytic therapy (DM Thesis).

Dissertation work

Dissertatio submitted

1. G. Chandrakanth. Coronary artery disease patients in patients less than 40 yrs of age at SVIMS Hospital, Tirupati (BSc CVT Dissertation).
2. A. Chandini. Comparison of outcome after Everolimus stents from Abbott vascular and Indigenous stents – 18 months follow up at SVMIS Hospital, Tirupati (BSc CVT Dissertation).
3. B. Ramya. Echo Cardiographic variables in mitral stenosis and outcomes of PTMC at SVIMS Hospital, Tirupati (BSc CVT Dissertation n).
4. V. Chandna. Experience of operator and fluoroscopy time in angioplasty senior / junior - first posting/ last posting (BSc CVT Dissertation).
5. P. Kavya. Timelines in primary percutaneous transluminal coronary angioplasty at SVIMS Hospital, Tirupati (BSc CVT Dissertation).
6. K. Janakiramaraju Varma. Long term follow up after ASD cocoon device closure at SVIMS Hospital, Tirupati (BSc CVT Dissertation).

Ongoing Dissertation

1. M. Dileepvardhan. Correlation of Outcomes after PCI with Stent Boost: A one month follow up study at SVIMS- a territory care centre (MSc CVT Dissertation).
2. P.M. Shifa Khanam. Demographic, Clinical and Etiological patterns of Acute Decompensated Heart failure patients admitted to Cardiology, SVIMS, a

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territory care centre: A prospective Study (BSc CVT Dissertation).

3. T. Anvesh Sai. Demographic, Clinical and Complication patterns of patients attending Prosthetic valve clinic at SVIMS, a territory care centre: A Cross-Sectional study (BSc CVT Dissertation).
4. P. Thripoorna. Analysis of exercise electrocardiographic test reports at SVIMS, a territory care centre: A Retrospective Study (BSc CVT Dissertation).
5. C. Padmapriya. Demographic, Clinical and Treatment patterns of hypertensive patients attending Hypertension Clinic at SVIMS, a territory care centre: A Cross-Sectional Study (BSc CVT Dissertation).
6. K. Prathima. Demographic, Clinical and Echocardiographic patterns of Rheumatic Heart Disease patients attending at SVIMS, a tertiary care centre: A- Retrospective Study (BSc CVT Dissertation).
7. S. Nitya. Analysis of Holter recordings at SVIMS a territory care centre: A Retrospective Study (BSc CVT Dissertation).

6.4 Conferences attended, lectures delivered

International

Dr D. Rajasekhar, attended the following

International

1. Investigator meeting of Garfield registry as a Principal Investigator at Hong Kong during 1-2 June 2018.
2. TCT 2018 conference as 'Associate faculty' at San Diego VSA during 21-25 September 2018.

National

1. Chaired a session at the ACC- Annual India Cardiovascular Symposium at Mumbai in February 2018.
2. Chaired a session at the Mid Term meeting of national interventional council of Cardiological

society of India organised at New Delhi during 11-13 May 2018.

3. Delivered a guest lecture "Cardiovascular disease in Octogenarians" in the Fourth Annual Conference of AP chapter of CSI organised in Vijayawada during 11-12 August 2018.
4. Delivered a talk on "How and what to target beyond LDL control in management of Dyslipidemia" in the National Annual Conference of Indian College of Cardiology in New Delhi during 14-16 September 2018.
6. Annual conference of Cardiological Society of India Delivered a lecture on "Aortic dissection- Diagnosis and Management" at Mumbai during 22-25 November 2018.

Dr V. Vanajakshamma, attended as

1. National Rheumatic Heart Summit 2018 at Govt Medical College, Kottayam on 11th February 2018.
2. Delivered a talk on "Clinical Research Methodology" (ICSSR project) at SV University, Tirupati on 20th February 2018.
3. Presence to Resonance a conclave for health care professionals organized by Heartfulness institute at Kanha Shanti Vanam, Hyderabad during 25-27 May 2018.
4. Heart rhythm summit at Vijayawada and delivered a talk on "Approach to wide QRS Tachycardia" on 3rd June 2018.
5. "MEDUCON 2018" at Apollo Institute of Medical Sciences and Research, Chittoor on 9th June 2018.
6. API Conference at SV Medical College, Tirupati and delivered a talk on 'Physician Heal Thyself' and moderated the Webinar on 'ESC 2018 guidelines on hypertension' on 10th June 2018.
7. Delivered a talk on 'Non Pharmacological Management of Hypertension' at 'Special Competence in hypertension' organized by Dr C. Venkata S Ram at Tirupati during 14-15 July 2018.
8. Delivered a talk on "Phytopharmaceuticals in the treatment of cardiovascular disorders' at Sree

- Vidyanikethan College of Pharmacy, Tirupati on 25th October 2018.
9. “Train The Trainer (TTT)” program at Kanha Shanti Vanam, Hyderabad during 16-18 November 2018.
 10. “Faculty development program” and delivered talks on (1) Heartful Teacher (2) Inspired Living and conducted (3) Facilitation Work shop at Ananthalakshmi Institution of Technology and sciences (ALTS), Anantapur on 20th December 2018.
 11. With the concept of Health and Peace – Organised outreach activities at 28 places - Educating various vulnerable groups on Healthy life style and Meditation.
 12. With the concept of cultivating noble ideas in young minds coordinated essay writing events on the occasion of UNO International peace day at 29 schools, Colleges and Universities at Tirupati.
 13. Got trained in Heartfulness Experience Life Skills (HELP) a 16 week programme initiated by Board of Intermediate Education and Heartfulness Education Trust (HET), to reduce stress and motivate Intermediate students, attended 17 colleges in Tirupati and completed the programme.
 14. Educated Lecturers from various colleges across India at SV University, HRD on Cardiovascular health. (09/03/18, 25/06/18, 26/09/18, 14/11/18 and 15/11/18).
 15. Government children home for boy’s Mangalam, Tirupati on the occasion of Swami Vivekananda Jayanthi celebrations and addressed the children on 12th January 2018.
 16. Pensioners club, State bank of India, Tirupati and addressed them on healthy life style on 16th January 2018.
 17. Inaugural function and released first aid kit (Aspirin 325 mg, Clopidogrel 300 mg, Atorvastatin 80 mg) at Subhamasthu shopping mall, Tirupati on 20th January 2018.
 18. Delivered a talk on healthy life style to Police personnel at police grounds, Tirupati on 30th January 2018.
 19. World Spiritual Sammelan at Shilparamam, Tirupati on 23rd March 2018.
 20. Delivered a talk on healthy life style at Rotary Club, Tirupati on 16th May 2018.
 21. Delivered a talk on healthy life style at Retired Engineers Association, Tirupati on 15th July 2018.
- Dr P. Sudhakar Reddy, Dr C. Kapil**, attended ACC Symposium at Mumbai during 3-4 February 2018.
- Dr E.V. Harshavardhan, Dr A.T. Naresh**, attended TRICO-2018 conference at Ahmadabad during 17-18 February 2018.
- Dr O. Harish, Dr B. Sunil Abhishek**, attended INDIA LIVE conference in Chennai in February 2018.
- Dr P. Sudhakar Reddy, Dr C. Kapil, Dr Ch. Narendra, Dr N. Vinod kumar, Dr T. Suresh babu, Dr S. Praveen kumar Reddy**, attended NIC conference at Hyderabad during 11-13 May 2018.
- Dr E.V. Harshavardhan, Dr A.T. Naresh** attended IJCTO-2018 conference at Hyderabad during 1-3 June 2018.
- Dr K. Kiran kumar, Dr N. Vinod Kumar**, attended CSI-2018 at Mumbai during 22-25 November 2018.
- Dr D. Srinivasa Reddy, Dr K. Kiran Kumar, Dr P. Sumanth Reddy, Dr M. Naganarasimha Reddy** attended MMM Clinical Cardiology update at Chennai during 12-14 January 2018.
- Dr T. Suresh Babu**, attended Dr Dayasagar Rao PG update program at Hyderabad during 18-19 August 2018
- Dr S. Praveen kumar Reddy, Dr T. Suresh Babu, Dr P. Sumanth Reddy, Dr M. Naganarasimha Reddy, Dr S. Praveen Kumar Reddy**, attended Face the examiners PG teaching program at Mumbai during 8-9 September 2018.
- Mr. K. Sreedhar Naik**, PhD Scholar, attended
- 7th National Seminar on Bioinformatics conference at SVIMS during 14-15 March 2018.
 - National conference on Innovations and future challenges in Biotechnology (NCIFB-2018) conference at SV University, Tirupati during 26-28 March 2018.

6.5 Presentations by Postgraduate students

Postgraduate students pursuing DM (Cardiology) presented the following papers at:

APCSI-2018 at Vijayawada during 11-12 August 2018.

1. Suresh babu T. Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease.
2. Sumanth Reddy P. Effect of Percutaneous balloon mitral valvuloplasty on left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis and poster on Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test in rheumatic severe mitral stenosis.
3. Praveen Kumar Reddy S. Right ventricular strain, strain rate before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis and poster on Pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis.
4. Naganarasimha Reddy M. Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months.

ICCCON-2018 at Delhi during 14-16 September 2018.

1. Suresh babu T. Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease.
2. Sumanth Reddy P. Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis.
3. Praveen Kumar Reddy S. Right ventricular strain, strain rate before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis and poster on Pulmonary function before

and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis.

4. Naganarasimha Reddy M. Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months.

CSI-2018 at Mumbai during 22-25 November 2018.

1. Suresh babu T. Value of resting and stress myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease.
2. Sumanth Reddy P. Effect of Percutaneous balloon mitral valvuloplasty on six minute walk test and left ventricular performance by speckle tracing echocardiography in rheumatic severe mitral stenosis.
3. Praveen Kumar Reddy S. Right ventricular strain, strain rate and pulmonary function before and after percutaneous balloon mitral valvuloplasty in patients with severe mitral stenosis.
4. Naganarasimha Reddy M. Value of ST-Segment elevation in lead aVR in non ST elevation myocardial Infarction/unstable angina in predicting disease extent, severity and outcomes at 3 months.

6.6 Publications

1. Tirumala Naresh Arava, Rajasekhar Durgaprasad, Vanajakshamma Velam, Obul Reddy Gajjala, Vinod K. Neelam, Suchitra N. Manohar, Spontaneous left atrial echo contrast, mitral annular systolic velocity, and left atrial appendage late emptying velocity in predicting improvement of left atrial function after percutaneous balloon mitral valvuloplasty. Echocardiography. 2018 Feb;35(2):162-169.
2. Kapil C, Rajasekhar D, Vanjakshamma V, Kranthichaitanya D, Narendra CH. Role of CIMT, eGFR, and Serum HbA1c in Predicting CAD in Non-Diabetic Patients Undergoing Elective Coronary Angiography. World Journal of Cardiovascular Diseases, 2018, 8, 1-10.

3. KalyanMuvva Venkateswarlu, Rajasekhar Durgaprasad, AlokSachan, Sudhakar ReddyPathakota, C.H.Narendra, Sreedhar NaikKanavath. Correlation of plasma 25-hydroxy-vitamin D level with angiographic severity in coronary artery disease.JICC 2018.8, 57-60.
4. Kranthi Chaitanya D, Rajasekhar D, Vanajakshamma V, Kapil C. Correlation of epicardial adipose tissue thickness with severity of coronary atherosclerosis by SYNTAX score, carotid intima-media thickness and metabolic syndrome. JICC 2018.6, 68-72.
5. Harsha V Erathi, RajasekharDurgaprasad, Vanjakshamma Velam, Sarma PVGK, MadhaviRodda, Kapil C, SreedharN.Kanavath. Evaluation of On-Clopidogrel platelet reactivity overtime, Syntax Score, genetic polymorphisms and their relationship to one year clinical outcomes in STEMI patients undergoing PCI. Minerva Cardioangiologica. 2018; 66(1):16-25.
6. Verheugt FWA, Gao H, Al Mahmeed W, Ambrosio G, Angchaisuksiri P, Atar D, Bassand JP, Camm AJ, Cools F, Eikelboom J, Kayani G, Lim TW11, Misselwitz F, Pieper KS, van Eickels M, Kakkar AK2,; GARFIELD-AF Investigators. Characteristics of patients with atrial fibrillation prescribed antiplatelet monotherapy compared with those on anticoagulants: insights from the GARFIELD-AF registry.Eur Heart J. Feb. 7.2018
7. Sreenivasa Reddy Doddipalli, Rajasekhar D, Vanajakshamma V, Sreedhar Naik K. Determinants of total ischemic time in primary percutaneous coronary interventions: A prospective analysis.Indian Heart J 2018;70(S3):S275-279
8. Kanavath Sreedhar Naik, Durgaprasad Rajasekhar, Velam Vanajakshamma, Pasupuleti Santhosh Kumar, Doddipalli Sreenivasa Reddy, Potukuchi Venkata Gurunadha Krishna Sarma.Identification and analysis of novel mutations in NFKBIL1 gene in patients with Myocardial infarction (MI) in south India. Int J Scientific research 2018;7(5)28-31.
9. Gopal Sowjenya, Durgaprasad Rajasekhar, Velam Vanajakshamma, PVLNS Rao, PVGK Sharma,Polymorphisms of cytochrome P 450 epoxygenese and its association with endothelial dysfunction in patients with Coronary artery disease. Int J of life sciences 2018; 6(2):1-10.
10. Latheef K, Rajasekhar D, Vanajakshamma V, Aparna BR, Chaudhary A and Sarma PVGK. Association of MTHFR, IL-6 and ICAM-1 gene polymorphisms with coronary artery disease in South Indian Ethnic subset: A case-control study. J Cardiovasc disease. Res 2018 (9)3 115-122.
11. Madhavi R, Rajasekhar D, Vanajakshamma V, Obul Reddy G, Kapil C and Soujenya G.Variability in antiplatelets, Drugs response in Indian Patients undergoing percuntaneuos coronary intervention and outcome modification by tailored anteplatelet therapy Journal of Cardiology and Cardiovascular therapeutics 2018;9(3) Feb 2018 JOCCT MSID 555762
12. Narendra Chanda D. Rajasekhar, Ravi Kanth A, Vanajakshamma V, Kapil C, Suresh Babu T, Sreedhar Naik K. The Correlation of NT-Pro BNP with Echocardiographic Indices Including 3D Vena Contracta Width in the Assessment of Severity of Mitral Regurgitation. World J Cardiovascular Diseases 2018;8:390-401.
13. Sawhney JP, Kothiwale VA, Bisne, V, Durgaprasad R, Jadhav P, Chopda M, Allu J. Risk profiles and one-year outcomes of patients with newly diagnosed atrial fibrillation in India: Insights into the GARFIELD-AF Registry. Indian Heart J 2018;70(6):828-35.
14. Suresh Babu Tupakula, Rajasekhar D. Value of Resting and Stress Myocardial Deformation assessment by 2-Dimensional Speckle tracking Echocardiography to detect the presence, Extent and localization of coronary artery affection in patients with stable coronary artery disease, Indian Heart J 2018;70:S14.
15. Praveen Kumar Reddy Sakkuru, D. Rajasekhar, V. Vanajakshamma, A.T. Naresh, Narendra, Nagamahesh. Right Ventricular strain rate and pulmonary function before and after Percuntaneous balloon Mitral Valvuloplasty in patients with Severe Rheumatic Mitral stenosis. Indian Heart J 2018;70:S16.

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16. Naga Narasimha Reddy, Rajasekhar D, Vanaja V, Sudhakar Reddy P, Sreenivas Reddy, Ravindra Dev. Value of ST-Segment Elevation in lead AVR in Non-ST-Elevation Myocardial Infarction/Unstable Angina in predicting disease extent, Severity and outcomes at 3 months. Indian Heart J 2018;70:S90.
17. Chaitanya Kumar N, Kumar A, Bhanu Prakash B, Sree Veena G, Vanajakshamma.V, Latha P. The effect of Nicoumalone on embryogenesis; A retrospective study. Indian J Cardiovasc Dis Women 2018;3:189-92.

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

CMEs

1. A CME was organised on “Dyslipidemia” at SVIMS on 6th October 2018.
2. Dr D. Rajasekhar, Department of Cardiology, SVIMS spoke on “Beyond LDL: What and How?”.
3. Dr V. Vanajakshamma, Professor of Cardiology, SVIMS spoke on “Role of life style in prevention of lipid disorders”.
4. Dr D. Sreenivasa Reddy, Assistant Professor of Cardiology, SVIMS spoke on “LDL lowering therapies”.
5. Dr K. Kiran Kumar, Assistant Professor of Cardiology, SVIMS spoke on “Familial Hypercholesterolemia”.
6. Dr Ch. Narendra, Assistant Professor of Cardiology, SVIMS spoke on “Lipoprotein (a) – Still a little character ?”.
7. Dr N. Vinod Kumar, Assistant Professor of Cardiology, SVIMS spoke on “Cholesterol management: Guidelines and relevance to Indian scenario”.

Work Shops

1. A Workshop on EP+RFA was conducted with Dr Yogesh Kothari at Apollo Hospitals, Bangalore on 20th January 2018, 31st March 2018, 30th June 2018, 22nd September 2018 and 22nd December 2018.

2. A Workshop on ASD, VSD and PDA Device closures was conducted by the department, SVIMS with Dr Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala during 13-14 April 2018 and 27-28 August 2018.
3. On the occasion of World Heart Day a public awareness program on various Heart diseases was organized by the Department of Cardiology in Padmavathi OP Block on 29th September 2018.

Orations

1. 10th Annual Cardiology chair Gold Medal Oration was organised Dr K.S. Ravindranath Former Vice-Chancellor Rajeev Gandhi University of Health Sciences, Bangalore and Prof of Cardiology Sri Jayadeva Institute of cardiology Bangalore was felicitated. He spoke on “Trials that charge Practice in Cardiology 2018” on 23rd January 2018.
2. 2nd Annual Balaji Cardiology Oration Dr K. Sarat Chandra President of National Cardiological Society of India was felicitated and he spoke on “Current management of Acute Coronary Syndromes” on 25th March 2018.
3. 3rd Annual Balaji Cardiology Oration Dr Yogesh Kothari Senior Interventional Cardiologist from Bangalore was felicitated. He spoke on “Management of Cardiac Arrhythmias-Past, Present and Future” on 22nd December 2018.

6.8 CMEs/Workshops attended

Dr D.Rajasekar attended & Chaired a scientific session in the CME organised by National Chapter of Cardioogical Society of India on the occasion of World Heart Day on 30th September 2018.

Dr V. Vanajakshamma, attended

1. CME on Heartfulness research at ESI Medical College, Hyderabad on 23rd January 2018.
2. A one day CME on Clinical Research Methodology at Chennai on 5th August 2018.
3. On the occasion of world heart day addressed the patients and attendants on Healthy Life Style at SVIMS, Tirupati on 29th September 2018.

Visitors to the Department

The following Cardiologists visited the Department during the year 2018

1. Dr Navin C. Nanda, Distinguished Professor of Medicine and Cardiovascular disease, University of Alabama, Birmingham, Alabama, USA.
2. Dr Yogesh Kothari, Apollo Hospitals, Bangalore.
3. Dr Edwin Francis, Amrutha Institute of medical sciences, Kochi, Kerala.
4. Dr P. Jayasree from Kansas City, USA.
5. Dr K.S. RAvin dranath, SJIC, Bangalore.
6. Dr K. Sarat Chandra, President CSI.

6.9 Other academic activities

Dr D. Rajasekhar, served as

1. Associate faculty for the TCT 2018 conference at San Diego USA during 21-25 September 2018.
2. A reviewer for several international Echocardiography national journals (IHJ and IJMR).
3. Inspector for Jeevandhan Trust of Govt. of Andhra Pradesh.
4. Inspector for medical council of India.
5. Member of the National Governing council of Indian College of Cardiology.
6. An Examiner and thesis protocol reviewer for the National Board of Examinations.
7. Organised the DNB (Cardiology) practical examination at SVIMS during 2-4 May 2018 for the National Board of Examination.

8. Examiner for DM cardiology exam at several universities in 2018.
9. Abstract reviewer for European Society of Cardiology for the ESC 2018.
10. Faculty for several national conferences in cardiology in 2018.
11. An Instructor in the AHA-ITC of SVIMS.

Dr V. Vanajakshamma, attended

1. Officiated as MCI assessor for recognition of DM Cardiology at Mahatma Gandhi Institute of Medical Sciences at Aurangabad on 5th December 2018.
2. Officiated as DM Examiner at Madras Medical College, Chennai during 16-18 August 2018.
3. Guest and spoke on Medical Ethics on the occasion of book release function at SV University, Tirupati on 30th January 2018.
4. Guest on the occasion of school day celebrations at SGS high school (TTD), Tirupati on 2nd April 2018.
5. Guest on the occasion of student union formation day at SPW Junior College, Tirupati on 27th October 2018.
6. Guest on the occasion of Children's day celebrations at Samatha Vidyalaya for deaf children, Tirupati and addressed the parents on 14th November 2018.
7. Guest at Juvenile observation home, Tirupati on the occasion of Children's day week celebrations on 15th November 2018.
8. On the occasion of International Women's day delivered a talk at All India Radio, Tirupati on 2nd March 2018.

7.0 DEPARTMENT OF CARDIOTHORACIC SURGERY

Professor & Head

Dr Abha Chandra

Faculty

Dr Vinod Bhan

Dr. D.Sri Satyavathi

Senior Resident

Dr. A B Naveen Kumar

Dr. J. Divya Sree

7.1 Awards Achievements and Felicitations

1. Best performing Department Cardiovascular and Thoracic surgery (**2nd Place**) SVIMS, Tirupati awarded by the Dr. NTR Vaidya Seva Trust , Govt. of AP.
2. **Ms. Shahida**, BSc CPPT student was awarded **the Best out going student**.

Membership

1. Appointed a member of the Specialists Board, National Board of Examinations, in the speciality of Cardio Thoracic Surgery on 5th December 2018.
2. Founder and Life member of Indian Society of Thoracic Surgeons and trust.

7.2 Research Projects

Research Project completed

1. **Principal Investigator:** Mrs. Shanti. **Title:** Effect of Exercise Training after mitral valve replacement on quality of life and Exercise tolerance in patient with mitral stenosis – A prospective randomized controlled trial.

7.3 Research work

Thesis work done in collaboration with other departments

Dr Abha Chandra, as Chief Guide

1. **Principal Investigator:** Dr. Senthil Kumar. **Title:** A study of early mobilization of the patients undergoing coronary artery bypass grafting.

2. **Principal investigator:** N.Kavitha. **Title:** To study establish and affirm the excise protocol and its correction to the INR (international Normalized ratio) and cordio –respiratory fitness in post surgical valve replacement individuals.
3. **Principal investigator:** M.Suresh Kumar. **Title:** The impact of TENS (Transcutaneous electrical Nerve stimulation) and graded exercise in individuals with subacute peripheral arterial disease in the lower Limb.

7.4 Conferences and workshops attended, Lectures delivered

Dr Abha Chandra, attended the following

International

1. 32nd European Association of Cardiothoracic Surgeon (EACTS) Annual Meeting including techno-college and Postgraduate course at Milan, Italy during 18-20 October 2018.

National attended and charied a sessions

1. 64th Annual meeting of Indian Association of Cardiovascular Thoracic Surgeons IACTSCON 2018 and delivered a lecture on “Lung Resection on Cardiopulmonary bypass” at Vishakhapatnam during 23-26 February 2018.
2. IACTS technocollege Cardiac CME-2018 at Kanpur U.P. theme “emerging technologies.... Together towards tomorrow” and delivered a lecture on “Current Concepts in management of adult ECMO” during 5-6 May 2018

3. 1st Endovascular CME Evolution 2018: EVL master class south chapter in association with the Vascular Society of India and delivered a lecture on “Vascular Armamentarium” at Vishakhapatnam on 5th August 2018
4. 34th Annual Indian Society at Anaesthesiologists South zone conference ISACON south 2018 at Tirupati during 7-9 September 2018.
5. 16th Annual Conference of Association of Thoraco-Vascular Surgeons of India (ATVSI) and delivered a lecture on “Use of ECMO in Thoracic Surgery” at Indore Madhya Pradesh during 18-19 August 2018.
6. 25th Annual Conference of Vascular Society of India (VSICON 2018) Jammu, J&K during 3-6 October 2018.
7. 4th Amrita Heart Conclave 2018: A workshop on aortic root surgery. Focus theme : Valve sparing aortic root surgery, bio bentall procedure, Aortic root enlargement and Hypertrophic Obstructive Cardiomyopathy at Amrita Institute of Medical Sciences Kochi during 17-18 November 2018.
8. 8th International Aortic summit which was held at Hotel Ramada Plaza at Chennai during 21-24 November 2018.
9. 78th Annual Conference of the Association of Surgeons of India and delivered a lecture of “Lung Resection of Cardiopulmonary Bypass” and “Control of bleeding in vascular surgery and role of topical hemostats” at Chennai during 26-30 December 2018.

Dr Vinod Bhan, attended the following

1. 64th Annual meeting of Indian Association of Cardiovascular Thoracic Surgeons (IACTSCON 2017) at Visakhapatnam during 1-4 February 2018.
2. Cadavar Hands on workshop on “VATS” conducted by Ethicon Institute of Surgical Education at M S Ramaiah Medical College, Bengaluru on 18th March 2018.
3. 3rd Annual Conference of Society of Minimal Invasive Cardiovascular Thoracic Surgeons of India (SMICTSI) at Bengaluru during 7-9 September 2018.
4. Cardiovascular Thoracic CME conducted by Department of CT Surgery and presented paper on “Recent Guidelines in Management of CABG” at SVIMS, Tirupati on 6th October 2018.

Mr Madhusudan Naidu, attended the Annual Conference of Indian Society of extracorporeal technology (ISECT CON 2018) at Vishakhapatnam during 23-26 February 2018.

7.5 CME conducted by the dept.

CME conducted by Department of CT Surgery and Dr. Vinod Bhan presented paper on “Recent Guidelines in Management of CABG” at SVIMS, Tirupati on 6th October 2018.

7.6 Other Academic Activities

Dr Abha Chandra as

1. Vice President of the ATCVS section of the Association of Surgeons of India.
2. National Faculty for the Indian Association of Cardiovascular and Thoracic surgeons
3. National Faculty for Vascular Society of India
4. M. Ch (CVTS) Examiner at various Indian Universities.
5. DNB (CVTS) Examiner at various Indian Universities.

8.0 DEPARTMENT OF COMMUNITY MEDICINE

Professor & Head

Dr K. Nagaraj

Faculty

Dr Anju Damu Ade
Dr D.S.Sujit Kumar

Dr Ravi Sankar Deekala
Dr G. Visweswara Rao

Dr V. Chandrasekhar
Dr T.V.D. Prathyusha

Bio-Statistician

Dr K.V.S. Sarma

Tutor

Dr N. Sulochana
Dr P.Siva Sankar

Dr Krishnaveni
Dr K.Munaswamy

8.1 Awards, achievements and felicitations

Dr K. Nagaraj, Professor & Head was

1. Nominated as member of Project Review Group of Health Services Research in ICMR, 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.

Dr K.V.S.Sarma, Statistician received **Life Time Achievement Award** for the research work done in the area of Inventory Control Research, given by the University of Delhi in December 2018.

Dr V.Chandrasekhar, Assistant Professor was awarded

1. **Young Researcher in Public Health** award of the Venus International Health Care Awards – VIHA 2018 during the Annual Health Care Meet 2018 at Chennai on 29th September 2018.
2. **Best Young Researcher National Award** by IRDP (Innovative Research Developers and Publishers) journals during International symposium on Educational Excellence and award ceremony-2018 at Chennai on 28th October 2018.
3. **Letter of Appreciation** from Ministry of Health & Family Welfare, Govt.of India for participating as Trainer of CPR in AIIMS, Mangalagiri.
4. **Certificate of Appreciation** from I.P.H.A-AP state branch for rendering services as college Nodal Person in organizing *World Health Day 2018* at SVIMS, SPMC(W), Tirupati.

Dr G.Visweswara Rao, Assistant Professor awarded as Distinguished Researcher in Community Medicine and Public Health of the International Journal of Research under Literal Access (IJRULA) during International Summit of RULA innovation and **Betterment Excellence award ceremony 2018** at Trichy on 12th November 2018.

ICMR short term studentship (STS) 2018 to Akkapeddi Sri Aryavalli, 5th semester, MBBS student under the guidance of Dr D.RaviSankar. Topic- Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea.

Under the guidance of Dr Y.Bhavani, Assistant Professor, Shaikameerun & team MBBS students awarded **2nd prize** and M.Bhavana & team MBBS students Awarded consolation prize in the video competition organized by professional body IAPSM on occasion of World TB day, 2018.

8.2 Research projects

Research projects completed

Principal investigator: Dr D. Ravi Sankar

1. A Study of Medical Problems and their outcome in the Elderly Patients Attending the Geriatric Out Patient Department of a Tertiary Care Teaching Hospital in South India.
2. An interventional study with health education to modify the risk factors for the control of blood pressure among the newly diagnosed adult hypertensive, Andhra Pradesh.

3. Assessment of nutritional status in adolescent girls residing in social welfare hostels in Tirupati town: a cross sectional study.
4. Profile of HIV sero-positive attendees: an integrated counseling and testing centre record based retrospective study.
5. A comparative study of general waste management practices in a campus of a medical university located in the purview of a municipal corporation of a South Indian state.

Principal investigators: Dr Anju D Ade, Dr Y.Bhavani

1. Awareness of H1N1 influenza (swine flu) among rural population of Chittoor District, Andhra Pradesh (Self funding).
2. Profile of HIV sero-positive attendees: an integrated counselling and testing centre record based retrospective study (Self funding).
3. Infant feeding practices among rural mothers of Tirupati (Self funding).

Principal investigator: Dr V.Chandrasekhar,

1. Attitude of couples towards family planning practices in the field practice area of Prathima Institute of Medical Sciences, Karimnagar.

Ongoing Research projects

Principal investigator: Dr Anju D Ade

1. Neonatal care practices among Tribal population (Self funding)
2. School environment and sanitation (Self funding)
3. Personal hygiene and hand washing practices among rural school children (Self funding)

Principal investigator: Dr D. Ravisankar

1. Related factors and consequences of menstrual distress in adolescent girls with dysmenorrhea in Tirupati Town- A cross sectional study. (ICMRSTS – 2018) A.Sriaryavalli, MBBS, 4thsem student.
2. An interventional study regarding change in knowledge, attitude and practice toward anaemia among high school adolescent girls of rural Tirupati, Andhra Pradesh.

3. A Comparative study on gender preference and awareness of sex determination among urban and rural antenatal women attending Tertiary Care Hospital, Tirupati.
4. An interventional study regarding change in knowledge, attitude and practice towards anaemia among high school adolescent girls of rural Tirupati, Andhra Pradesh.

8.3 Conferences attended, lectures delivered

International

1. **Dr Anju D Ade, Dr V.Chandrasekhar**, attended AMRITA International Public Health Conference 2018 and Presented scientific papers (Oral) on “Profile of HIV Sero-positive attendees of ICTC” and “A study of Prevalence of Type 2 Diabetes Mellitus among Adults in an Urban Population of ELURU:POT2DIE Study” at Amrita Institute of Medical Sciences (AIMS), Kochi during 2-3 November 2018.

Dr K.V.S.Sarma, attended

1. Changing paradigms and emerging challenges in statistical sciences on Statistical methods in determining biomarkers at Pondichery University, Puduchery during 29-31 January 2018.
2. Theory and Applications of Statistics and Information Sciences Knowledge, Attitude and Practice of Statistics in Clinical Studies – An appraisal at Coimbatore University during 29-31 January 2018.
3. Emerging Trends in Inventory, Supply Chain & Reliability Modeling, (under the banner of Association of Inventory Academicians and Practitioners), Department of Operations Research, New Delhi during 21-23 December 2018.

National

Dr K.Nagaraj, Dr D S Sujith Kumar, Dr D. Ravi Sankar, Dr V.Chandrasekhar, attended an International Clinical Epidemiology Network conference 2018 at Apollo Institute of Medical Sciences, Chittoor during 8-9 December 2018 and delivered guest lectures on the following

- End TB Strategy
- Public health emergencies and its preparedness

Annual Report 2018

Dr K. Nagaraj, Dr D S Sujith Kumar, Dr D. Ravi Sankar, attended and Co-Chair Person for a scientific session in Indian Clinical Epidemiology Conference (INDIA CLEN-2018) conducted by Apollo Medical College, Chittoor during 8-9 December 2018

- Geographic Information System and its applications in Public Health.

Dr K. Nagaraj, Dr D. Ravi Sankar attended the IMA APCON conference 2018 at Tirupati during 10-11 November 2018.

Dr D S Sujith Kumar, attended the National Conference Organized by the Central Council for Research in Siddha With the support of Ministry of AYUSH, Government of India and delivered lecture on “Global Acceptance for Siddha System of Medicine : Scope and Challenges” at Chennai during 28-29 September 2018.

Dr V.Chandrasekhar, attended the following

1. Global Acceptance for Siddha System of Medicine: Scope and Challenges A National Conference Organized by the Central Council for Research in Siddha With the support of Ministry of AYUSH, Government of India at Chennai during 28 – 29 September 2018.
2. Chaired a Scientific Research Paper session at AMRITA International Public Health Conference at AMRITA Institute of Medical Sciences (AIMS), KOCHI during 2-3 November 2018.

8.4 Publications

1. Gorantla M, Malhotra VM, Nagaraj K. Outcome of antiretroviral therapy: a longitudinal study in Nalgonda district, Telangana. *Int J Community Med Public Health* 2018;5:5096-100.
2. Elavvrthi Srikanth Reddy, Kondagunta Nagaraj, Anant Takalkar. Morbidity profile of geriatric population of rural telangana – A cross sectional study. *Med Pulse. Int J Community Med* 2018;8(2):7-10.
3. Dondapati SKS, Kondagunta N, Guthi VR, Ade AD, Deekala RS. A comparative study of general waste management practices in a campus of a medical university located in the purview of a municipal corporation of a South Indian state. *Int J Community Med Public Health* 2018;5:5115-20.
4. Anju Damu Ade, Bhavani Yamasani, Ravisankar Deekala, Nagaraj Kondagunta, Dnyaneshwar T. Katyarmal. Profile of HIV sero-positive attendees: an integrated counseling training centre record based retrospective study. *Int J Community Med Public Health* 2018;5(12);5069-76.
5. Anju Damu Ade, Bhavani Yamasani, Nagaraj Kondagunta. Awareness of H1N1 Influenza (Swine Flu) among rural population of Chittoor District, Andhra Pradesh. *Int J Community Med Public Health* 2018;5(12);5171-7.
6. Vanaja K, Sujith Kumar DS. A study on histopathological changes of endometrium in women with dysfunctional uterine bleeding from a tertiary care hospital. *Int J Clin Obst Gynec* 2018;2(1):1-3.
7. Deekala R.S, Altaf Hussain R, Ravi Prabhu G. An interventional study with health education to modify the risk factors for the control of blood pressure among the newly diagnosed adult hypertensives, Andhra Pradesh. *Public health Rev: Int J Public health Res* 2018;5(1):8-15.
8. Deekala RS, Kokku MR. Assessment of nutritional status in adolescent girls residing in social welfare hostels in Tirupati town: a cross sectional study. *Int J Community Med Public Health* 2018;5:5110-4.
9. Sindhura M, Chandrasekhar Valleppalli, Devi Madhavi B, Appalanaidu S. An assessment of Water, Sanitation and Hygiene practices in an Urban slum of Visakhapatnam, Andhra Pradesh. *Indian J Public Health Res Development* 2018;9(8):26-30.
10. Chandrasekhar Valleppalli, Devi Madhavi B, Appala Naidu S. Perception and Feedback of Final year Medical Students on Teaching-Learning Methods in Andhra Medical College, Visakhapatnam. *Indian J Pub Health Res Development* 2018;9(80):1101-6.
11. Dasari Gayathry, Anil Moluguri, G. Sachin, Chandra Sekhar. Attitude of couples towards family planning practices in the field practice area of Prathima Institute of Medical Sciences, Karimnagar. *Int J Community Med Public Health* 2018;5:4816-21.
12. Visweswara Rao Guthi, A. Sreedevi. Study on disability limitation, rehabilitation and social needs of persons affected by leprosy in Kurnool division of Kurnool district. *International Journal of*

Community Medicine and Public Health 2018 Aug;5(8):3526-31.

13. Visweswara Rao Guthi, Poojitha Rallapalli. Study on Knowledge, Attitude and Practices concerning Immunization of under-five children in rural areas of Nalgonda. *Nat J Res Community Med* 2018;7(4):158-62.
14. Praveen Ganapa, Arepallesreedevi, Visweswara Rao Guthi. Study to assess the labour room standards of 24x7 PHCs in Kurnool district. *Int J Community Med Public Health* 2018;5(10):4507-14.
15. Varaganti N. Sangabathula H, Guthi VR. Effectiveness of safe child birth checklist on maternal and perinatal outcomes in tertiary level hospitals. *Int J Reprod Contracept Obstet Gynecol* 2018;7:4393-8.
16. Bharathi Anil Sherke, KiranmaiVadapalli, M Anthony David, Visweswara Rao Guthi. Do blood groups determine academic performance in medical students A cross sectional study. *Int J Physiol* 2018;6(3):65-71.
17. Kambalachenu HR, Reddy TM, Rao SD, Dorababu K, Reddy KK, Sarma KVS. A Randomized, Double Blind, Placebo Controlled, Crossover Study to Assess the Safety and Beneficial Effects of Cassia Tora Supplementation in Healthy Adults. *Rev Recent Clin Trials* 2018;13(1):69-78.
18. Sarma KVS. Some Aspects of Surrogate Biomarkers using ROC Curve analysis, Special Proceedings. *Biomarkers* 2018;45-9.
19. Sarma KVS, Vishnu Vardhan R. Multivariate Statistics Made Simple – A practical approach, CRC Press (Taylor and Francis Group), December 2018.

8.5 CMEs conducted by the dept.

A CME was conducted on Vector Borne disease in the month of May 2018.

8.6 CMEs/Seminars/Workshops attended

Dr K. Nagaraj, attended the following

1. Zonal task force Workshop (South Zone-I) at Hyderabad during 23-24 January 2018.
2. Orientation workshop under Unnat Bharat Abhiyan at AICTE Auditorium, New Delhi on 25th April 2018.

3. Activities Planning Workshop under Unnat Bharat Abhiyan at NIRDPR, Hyderabad on 26th July 2018.

Dr D.S. Sujith Kumar, participated in Second contact session of 5th MCI-Advance Course in Medical Education conducted by The Medical Council of India (MCI) Nodal Center for Faculty Development at CMC, Vellore during 10-12 September 2018.

Dr Ravi Sankar Deekala, participated in the CME “We are at par in advanced medicare” conducted by Ramesh Health & Educational Society in association with IMA, Tirupati on 15th July 2018.

Dr ChandrasekharVallepalli, has participated

1. Workshop on Research Methodology & Biostatistics by Indian Council of Medical Research, New Delhi at ICMR- National Institute of Nutrition, Hyderabad during 20-22 June 2018.
2. Guest speaker/Resource person for BLS Workshop at INCLEN 2018 National Conference at Apollo Institute of Medical Sciences and Research Centre, Chittoor.

8.7 Other academic activities

1. Observation of World Health Day, World Breast feeding week, World Diabetes Day, World TB day awareness, World AIDS Day by the Community Medicine Department.
2. Coordinating activities under UnnatBharathAbhiyaan a flagship programme of Ministry of HRD, Govt. of India, Outbreak investigations.
3. Community diagnosis through involvement of undergraduate students
4. Providing preventive health care and family composite health care services in RHTC Mangalam and UHTC, Tirupati.
5. Involved in outreach activities include NTR Vaidyaseva camps and Medical camps.
6. Involved in community screening of Women cancers, a SVIMS initiative through pink bus.
7. Involved in SVIMS AHATIC for BLS provider course Training
8. World Health Organisation (W.H.O) external Monitor for Polio Supplementary Immunization in Chittoor District during 1st & 2nd National immunization days 2018

9.0 DEPARTMENT OF DENTAL SURGERY

Associate Professor & Head

Dr S. Madhu Babu

Assistant Professor

Dr P. Vani Priya

Junior Resident

Dr M. Ram Prasad

9.1 Conferences attended, lectures delivered

Dr P.Vani Priya, attended the following

1. 43rd AOMSI conference at Chennai during 11-13 October 2018.
2. AP State Chapter AOMSI 11th Annual Conference at Tirupati during 25-26 August 2018.

9.2 Publications

1. Babu DS, Poornodaya S, Sai KA, Anumala D, Reddy DS, Reddy NR. Estimation of CCL2/MCP-1 levels in serum and gingival crevicular fluid in periodontal health, disease and after treatment – A clinico biochemical study. J Orofac Sci 2017; 9:85-90.
2. Babu DS, Narahari S, Vemuri V, Prasuna E, Reddy DS, Reddy NR. Estimation of midkine levels in serum and gingival crevicular fluid in smokers and nonsmokers of chronic gingivitis patients – a clinicobiochemical study. J DR NTR University of Health Science 2018;7(4):265-71.

3. Kiranmai G, Vani Priya P. Assessment of cytotoxic and genotoxic potentials in tobacco chewers. Indian J Sci Res 2018;8(5):28-9.

9.3 CDE/ workshop attended

Dr D.S. Madhu Babu, Dr P.Vani Priya, Dr M.Ram Prasad, were attended CDE organized by Indian Dental Association, Chittoor Branch, Tirupati

1. “Designing with composites” on 11th March 2018.
2. “Digital dentistry an overview” on 22nd July 2018.
3. “Management of pediatric dental patients in a innovative way” on 23rd December 2018.

Dr D.S. Madhu Babu, Dr M.Ram Prasad were attended workshop on” SVIMS Silver jubilee laparoscopic oncosurgical workshop-2018 (SSJLOW 2018)”, organized by Dept.of Surgical Oncology, SVIMS during 23-24 February 2018.

10.0 DEPARTMENT OF DERMATOLOGY

Professor & Head

Dr T. Ram Sharan

Faculty

Dr A. Surekha

Senior Residents

Dr Keerthi

Junior Resident

Dr Gayathri

10.1 Research Project

Research Projects completed

Dr Surekha A, as Co-Guide for Pharma D Students of SVCP.

1. A Comparative study on efficacy and safety of 5% Benzoyl Peroxide, 0.1% Adapalene and 5% Dapsone in the treatment of Acne vulgaris”
2. A Rectrospective study on drug prescribing patterns of antifungal drugs in Dermatology OPD of a tertiary care Hospital

10.2 Ongoing projects

Dr Surekha A, as Co-Guide for Pharma D students of Seven Hills

1. Adverse effects with topical corticosteroids in patients attending Dermatology clinic in a tertiary care hospital

2. A Prospective study on clinical profile prescription patterns and adverse drug reactions of patient with psoriasis in dermatology outpatient department

10.3 Publications

Case Report

Hari Krishna J, Pradeep V, Devika V, Krishna Kumar M, Surekha A, Durga Devi, Alladi Mohan. Steven Johnson Syndrome/ Toxic epidermal necrolysis overlap syndrome due to oral phenytoin-sent for publication. J Clin Sci Res 2018.

10.4 Other academic activities.

1. Guiding Pharma-D Students in project studies
2. Taking clinics for MBBS students, Dental PGs andPharma-D students

11.0 DEPARTMENT OF EMERGENCY MEDICINE

Professor & Head

Dr R. Balakrishna

Faculty

Dr M. Madhusudhan
Dr Y. Vishnu Prasad

Dr J. Gowtham Kumar
Dr B. Sivarama Krishna

Dr Venkatesh Sastri

Senior Residents

Dr Ratna Kumar Natta

Dr M. R. Kiran Kumar

MD PG Junior Residents

Dr Jannu Sowjanya
Dr P. Subramanyam

Dr K Navakiran Reddy
Dr Vinayak Yerra

Dr G. Pavan Kumar
Dr S. Sadasiva Raju

Junior Residents

Dr G. Anitha
Dr Thejasri

Dr K. Venkata Ratnaiah
Dr K. Umapathi Yadav

11.1 Research work

Theses submitted

1. Subramanyam P. Clinical profile and outcomes in patients with Acute intra cerebral hemorrhage presenting to Emergency Department in SVIMS: A prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Sowjanya J. Clinical features precipitating factors biochemical profile and outcome in relation to Inhospital care of Diabetic ketoacidosis: A prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Navakiran Reddy K. Comparison of performance of SOFA and qSOFA scoring system in critically ill patients at the time of admission in emergency department (MD Thesis).
2. Vinayaka Yerra. Clinical profile of Hypertensive patients presenting to Emergency Department (MD Thesis).

11.2 Conferences / Workshop attended as faculty

Dr J. Gowtham kumar, as participated

1. As a lead instructor for SVIMS AHA/ITC BLS/ ACLS provider course since April 2018.
2. Co instructor for 1st BLS/ACLS (AHA) instructor course at ITC-SVIMS in June 2018.
3. As resource person for ATLS provider course at TACT academy Chennai on 19th July 2018.
4. As resource person for ATLS provider course at JIPMER, Pondicherry during 6-8 December 2018.
5. **Dr Venkatesh Satri** completed ATLS & PALS provider course at JIPMER, Pondicherry; March & September 2018
6. **Dr Sivarama Krishna** completed PALS provider course held at PIMS, Pondicherry; September 2018.

11.3 CMEs/ Seminars/ Workshop attended

1. Dr Madusudhan M and Dr J. Gowtham Kumar attended a workshop on Research Leadership & Innovation Workshop (RLIW) at Delhi during 11-14 July 2018.

2. Dr J Gowtham Kumar participated as delegate in Resuscitate work shop for Instructor at GMC, Guntur during 26-27 August 2018.
3. Dr P. Subramanyam & Dr Sowjanya J participated in ACES, Emergency Symposium at Apollo, Chennai during 14-15 December 2018.

11.4 Presentations by post graduates students

Sowjanya J, attended Pushpagiri Annual Emergency Medical Conference at Tiruvalla, Kerala; April 2018

Subramanyam P. Presented Poster on massive subcutaneous emphysema after a trivial trauma in an elderly male in NAPEM 2018 at M.S Ramaiah Medical College, Bangalore on 6th April 2018.

EMINDIA conference, Varanasi during 21-22 July 2018.

1. Sowjanya J. Presented paper on Traumatic Brain Injury a prospective study.
2. Subramanyam P. Presented Paper on clinical presentation and outcome in patients with ACS in a tertiary care centre.

11.5 Publications

1. Padala SR, Anakapalli M, Mangu HR, Mukkara M, Samantaray A. Effect of sevoflurane with morphine or fentanyl on haemodynamic response to laryngoscopy and tracheal intubation: A prospective, randomised, doubleblind study. J Clin

Sci Res 2018;XX:XX-XX. [Madhusudhan M. as corresponding author- to be published]

2. Charupalli K, Rajasekhar TS, Mukkara Madhusudhan. Clinicoepidemiological study of melasma in men. J Clin Sci Res 2018;7:XX-XX.-[to be published]
3. Comparison of Performance of APACHE II and SOFA Scoring Systems in Critically Ill Patients Admitted to Intensive Care Unit” – Original article sent for publication, to be published. [Madhusudhan M. as corresponding author (IJCDAS/MS:4908/18.)]

11.6 Other Activities

1. Dr J. Gowtham Kumar is acting as incharge faculty for ITC-AHA, SVIMS.
2. Department conducted BLS and First Aid training to TTD Health assistant and other employees during 18-19 June 2018.
3. Our department faculty and residents are regularly participating in the community CPR programme (Aaditya Hrudayam) organising by SVIMS University.
4. Dr Navakiran K, Dr Vinayak Y and Dr G. Pavan Kumar completed International Emergency Ultraasound Course by SONO School, Bangalore during 14-15 July 2018

12.0 DEPARTMENT OF ENDOCRINOLOGY

Professor & Head

Dr Alok Sachan

Faculty

Dr V. Suresh

Dr B. Sree Divya

Dr Sai Krishna Chaitanya P

DM PG Senior Residents

Dr K. Raghavendra

Dr Sandeep Ganta

Dr Buddhharaju P Varma

Dr Mani Deepthi Dasari

Dr Avinash Patil

Dr Anusha N D

12.1 Awards

1. **Dr Alok Sachan**, Professor and Head was awarded with Dr Subhashini and Dr Kamalakar Reddy endowment award for **best original article** published in 2017 for “Chandrasekhar T, Suchitra MM, Pallavi M, LN Srinivasa PV, Sachan A. Risk factors for cardiovascular disease in obese children. Indian Pediatr 2017;54:752-5”.
2. **Dr V Suresh**, Professor was received **State Teacher Award** instituted by the Commissionerate of Collegiate Education, Department of Higher Education, Government of Andhra Pradesh under the subject-wise category ‘Medical’ in recognition of meritorious service as a teacher on 5th September at Amaravat from the Hon’ble Chief Minister of A.P.

12.2 Research projects

Ongoing Research project

Principal Investigator: B Sree Divya **Title:** Disturbing Eating Behaviors in patients with Type I Diabetes Mellitus. **Funding Agency:** SBAVP.

12.3. Research work

Theses submitted

1. Sai Krishna Chaitanya.P. Pulmonary function in hypothyroidism before and after restoration of Euthyroidism (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Sree Divya B. Gastric autoimmunity in patients with Type 1 diabetes mellitus (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Raghavendra K. Prevalence of Autonomic neuropathy in patients with type 2 Diabetes mellitus with special reference to Cardiac Autonomic neuropathy (DM Thesis).
2. Mani Deepthi D. Effects of adequate treatment of Hyperthyroidism on glycated hemoglobin levels in non diabetic subjects with Hyperthyroidism (DM Thesis).
3. Sandeep Ganta. Effect of frequent blood glucose monitoring on glycemic control in type 1 diabetes (DM Thesis).
4. Avinash Patil. Body composition and mediators of energy homeostasis in hyperthyroidism (DM Thesis).

Thesis work done in collaboration with other departments

Dr Alok Sachan, was Co-guide

1. Lakshmana N. Novel urinary biomarkers for early detection of diabetic nephropathy in patients with type 2 diabetes mellitus (MD Thesis).
2. Sowjanya J. Clinical presentation, precipitating factors and biochemical profile in relation to the in hospital clinical course and outcomes of DKA (MD Thesis).
3. Sarvari G. Association of single nucleotide polymorphisms in adiponectin and leptin genes with breast cancer (PhD Thesis).

Dr Sai Krishna Chaitanya P, was Co-guide for thesis of Pharm D student. A retrospective study of Thyroid dysfunction among patients with Type 2 DM – South Indian Perspective.

12.4 Conferences attended and lectures delivered

Dr Alok Sachan, attended the following

1. Spoke on “prediabetes 2018” at AP RSSDI, Vijayawada on 5th August 2018,
2. Spoke on “stunted growth” at AP APICON, PESIMSR, Kuppam on 9th September 2018
3. Chaired a session on “SGLT2i, the big picture” at Hotel Bliss, Tirupati on 28th October 2018.
4. Spoke on “Management of hypoparathyroidism avoiding short and long term complications” at the Annual Conference of the Endocrine Society of India at Bhubaneswari on 18th December 2018.
5. Spoke on “When to use daily, weekly and post prandial GLP analogs in Practice” at Diabetocon at Vijayawada on 16th December 2018.

Dr V Suresh, attended the following

1. Personality Development Programme for Students on “Skill Genie”- Lectures on: “My Strengths” and on “Self Confidence” at SPMC (W) on 14th August 2018.
2. National Conference on Current Perspectives in Clinical Pharmacy and Therapeutics and Chairman for Session on “Health Research” at SPMC (W) on 16th August 2018.

12.5 Presentations by Postgraduate students

Postgraduate students pursuing DM (Endocrinology) presented the following posters/papers at:

1. Raghavendra K. A challenging case of Lymphocytic hypophysitis at Chicago USA in March 2018.
2. Mani Deepthi D. Study on adverse events of antithyroid drugs in Graves disease and toxic multinodular goiter at APICON 2018.

ESICON 2018 at Bhuvaneshwar in November 2018

1. Avinash Patil- 46 XX DSD: A case report

2. G Sandeep- A rare case of 46XY DSD

12.6 Publications

1. Patlolla S, Vaikkakara S, Sachan A, Venkatanarasu A, Bachimanchi B, Bitla A, Settipalli S, Pathiputturu S, Sugali RN, Chiri S. Heterogenous Origins of Hyperandrogenism in the Polycystic Ovary Syndrome in Relation to Body Mass Index and Insulin Resistance. *Gynaecological Endocrinol* 2018;34:238-42.
2. Budarpu S, Vaikkakara S, Cherukuthota SL, Shalini TM, Srujana J, Haindavi L. A Cross Sectional Study on Effect of Distress due to Disease on Medication Adherence in Patients with Type 2 Diabetes Mellitus in a Tertiary Care Hospital. *Int J Contemporary Med Res* 2018;5:F1-F4.
3. Nimmanapalli H, Pasupuleti P, Vakkakara S, PVLN S. A Study of Nontraditional Biochemical Markers and Their Relation to the Level of Fasting Glycemia in Patients with Type 2 Diabetes Mellitus. *Turk J Endocrinol Metab* 2018; 22: 225-30.

12.7 CMEs/Orations conducted

1. CME on Disorders of Water Homeostasis jointly organized by Department of Biochemistry, Department of Endocrinology and Metabolism and Department of Pharmacology in March 2018.
2. Dr Subhashini and Dr Kamalakkar Reddy Endowment Oration[Endocrinology oration] given by Prof Dr Anil Bhansali, quiz conducted by Dr Dukhabandhu Naik on 26th November 2018.

12.8 Other Academic activities

Dr Alok Sachan, conducted the following public events

World Diabetes Day was observed. On the occasion, Department of Endocrinology and the department of Community Medicine organised a health camp at Mangalam village, near Tirupati. Patients with diabetes were given consultation and people who were not known diabetic, but belonged to high risk group, were screened for diabetes mellitus. An awareness talk on the occasion was given by Dr G Sandeep on 14th November 2018.

13.0 DEPARTMENT OF FORENSIC MEDICINE

Professor & Head

Dr K. Bhaskar Reddy

Faculty

Dr B. Rupeshkumar Naik

Dr K. Jyothi Prasad

Tutor

Dr K.Chenga Reddy

Dr Umapathi Yadav K

Dr R.D.Nagaraj

13.1 Conference attended

1. Dr K.Bhaskar Reddy attended the “Current perspectives in clinical pharmacy and pharmacotherapeutics” at SVIMS-SPMC-W and Seven Hills College of Pharmacy (SHCP), Tirupati during 16-17 August 2018.
2. Dr K. Bhaskar Reddy, Dr K.Jyothi Prasad, attended the AP FORENSICON III-2018 Annual Conference of A.P. Academy of Forensic Medicine & Toxicology at ACSR Govt. Medical College, Nellore during 22- 23 December 2018.

13.2 CME's / Workshops attended

Dr K.Bhaskar Reddy, Dr K.Jyothi Prasad, Dr B.Rupesh Kumar Naik, Dr K.Chenga Reddy and Dr R.D.Nagaraj attended the following CME's conducted at SVIMS.

1. Disorders of water homeostasis on 03rd March, 2018.
2. Vector Borne Diseases on 19th April 2018.
3. Live workshop and symposium on deep brain stimulations (DBS) for parkinson's disease on 25th May 2018.

4. Women & Kidney Disease, Female Genitourinary Fistulas, Update on Infections of Urinary Tract in Pregnancy on 2nd June 2018.
5. Multidisciplinary Management of Carcinoma Cervix on 7th July 2018.
6. Skull Base Surgery on 1st October 2018 attended by Dr K.Bhaskar Reddy, Professor & Head.
7. Management of coronary artery bypass grafting and Dyslipidemia on 6th October 2018.
8. Multiple sclerosis update on 27th October 2018.
9. Platelets – Bench to bed-side on 27th November 2018.
10. Update on prostate cancer-from physiology to palliation on 8th December 2018.

13.3 Other academic activities

1. **Dr K.Bhaskar Reddy**, as a External Examiner for the following
 - U.G. examinations at Sri Balaji Vidhyapeeth University, Mahatma Gandhi Medical College and Research Institute, Pondicherry during 22-25 January 2018.
 - The Tamil Nadu Dr M.G.R.Medical University, Chennai during 3-7 March 2018.

14.0 DEPARTMENT OF GENERAL SURGERY

Professor & Head

Dr Y. Mutheeswaraiah

Faculty

Dr R. Balakrishna
Dr B. Ramakrishna
Dr. G. Kishore Babu

Dr T. Hemachandra
Dr C. Manoj Krishna
Dr. M.C. Narendra

Dr B. Srihari Rao
Dr B. Hariprasad

Senior Resident

Dr M. Pradeep
Dr. C. Sowdin Reddy & Dr. Neela Prasad

Junior Residents

Dr T. Mahesh Kumar
Dr M. Nawaz
Dr S. Hameed
Dr. J.E. Paul

Dr G.K. Harish
Dr T. Venu gopal reddy
Dr. A.B. Naveen Kumar
Dr. Hema Sri

Dr K. Kishore
Dr Yaswanth
Dr. B. Venu Gopal
Dr. B. Sravani

14.1 Conferences attended

Dr Y. Mutheeswaraiah, attended the following

1. APASICON, 2018 Conference at Kadapa during 24-25 August 2018.
2. IAESCON- 2018 at SVIMS, Tirupati during 28-29 September 2018.
3. ASICON-2018 at Chennai during 28-29 December 2018.

Dr Srihari Rao, attended APASICON, 2018 conference at Kadapa during 24-25 August 2018.

14.2 CME attended

Dr B. Srihari Rao, attended the following

1. As Faculty member at Vijayawada Regional Refresher Course ASI during 21-22 July 2018.
2. As a Faculty for PG CME programme at RTD Hospital, Ananthapur on 27th October 2018.

Dr B. Hari Prasad, attended the following

1. CME on "We are at par in Advanced Medicare" at Tirupati on 15th July 2018.
2. IMA AP state 3rd Annual conference (IMA APCON 2018) at Tirupati during 10-11 November 2018.

14.3 Workshop & Skill course attended

1. **Dr Y. Mutheeswaraiah, Dr B. Hari Prasad**, attended SVIMS, Silver Jubilee, Laparoscopic Onco surgical workshop during 23-24 February 2018.
2. **Dr B. Srihari Rao**, attended as participant in Laparoscopic hernia course at Jhonson – Johnson

institute at Chennai during 19-20 September 2018.

14.4 Publications

1. Rajasekhar S, Rukmangadha N, Amit Kumar C, Phaneendra B.V, Mutheeswaraiah Y, Narendra H, Alok S. Value of Cytokeratin- 19, Hector Battifora Mesothelial-1 & Galectin-3, Immunostaining in the diagnosis of thyroid neoplasm. J Lab physicians 2018;10(2):200-7.
2. Prasad BH, Prasanth G. Laparoscopic management of appendicular mass. Int Surg J 2018;5:1259-62.

14.5 CME/ Conference conducted by the dept.

19th Annual Conference of Indian Association of Endocrine surgeons during 28-29 September 2018.

14.6 Other academic activities

Dr B. Srihari Rao, attended as

1. UG external examiner, at Kasturba medical college Manipal during 29-31 January 2018 & 1st February 2018.
2. PG external examiner, at Bangalore medical college, Bangalore during 7-9 June 2018.
3. PG external examiner, at Nagapur Government medical college, Nagapur on 15th June 2018.

Dr B. Hari Prasad, attended as

1. UG external examiner, at Kamineni institute of Dental Sciences, Narketpally during 23-25 January 2018.
2. UG external examiner, at Narayana Medical college, Nellore during 7-9 August 2018.

15.0 DEPARTMENT OF HAEMATOLOGY

Associate Professor & Head
Dr C.Chandra Sekhar

15.1 Research projects

Research projects completed in 2018

Co-Investigator: Dr C. Chandrasekhar, **Title:** In vitro differentiation and characterization of cultured human CD34 positive stem cells into hepatocytes, erythrocytes and platelets. **Funding agency:** SBAVP, SVIMS.

15.2 Research work

Thesis work done in collaboration with other departments

Dr C. Chandrasekhar was Co-guide for the following thesis

1. Santhosh Kumar P. *In vitro* differentiation and characterization of cultured human CD34 positive stem cells into hepatocytes, erythrocytes and platelets (PhD).

15.3 Conferences attended, lectures delivered

International

1. Santhosh Kumar P, **Chandrasekhar C**, Srikanth L, Sarma PVGK. Presented a paper on “*In vitro*

differentiation potential of megakaryocytes to functional platelets from cultured human hematopoietic CD34⁺ stem cells” in International conference on Biomaterials, Bioengineering and Biotheranostics (BioMET) 2018 at Vellore Institute of Technology (VIT), Vellore during 26-28 July 2018.

15.4 Publications

1. Chandrasekhar C, Santhosh Kumar P, Sumanth Kumar M, Sarma PVGK. A study of parietal cell and intrinsic factor antibodies in b12 deficiency Anaemias: a non-gastroscopic descriptive analysis in a university teaching hospital, India. *Inter J Sci Res.* 2018;7(2):27-33.
2. Chandrasekhar C, Santhosh Kumar P, Sarma PVGK. Novel mutations in the kinase domain of BCR-ABL gene cause imatinib resistance in Chronic Myeloid Leukemia patients. *Scientific Reports (Nature Publishing Journal).* 2018 (Accepted).
3. Santhosh Kumar P, Chandrasekhar C, Srikanth L, Sarma PVGK. In vitro large scale production of megakaryocytes to functional platelets from human hematopoietic stem cells. *BiochemBiophys Res Commun.* 2018;505(1):168-175.

16.0 DEPARTMENT OF MEDICAL ONCOLOGY

Professor & Head

Dr T. Kannan

Faculty

Dr D.Bhargavi

Dr Sreerama Krishnaiah Sompalli

MCh PG Senior Residents

Dr Ram Prahlad K.M
Dr B. Sreekanth

Dr Lakshmi Priyadarshini
Dr V. Santhosh

Dr Phaneendra Mettapalli
Dr Sravan Kumar Reddy V

16.1 Awards

1. Best Department Award **2nd place** by Dr NTR Vaidyaseva Trust, Government of Andhra Pradesh.

16.2 Research Work

Theses submitted

1. Shilpa K. Metronomic Chemotherapy in residual, recurrent and metastatic head and neck cancers (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Praveena V. Estimation of plasma epidermal growth factor receptor mutation (EGFR) status and its correlation with tumor tissue EGFR mutation status in advanced Non Small Cell Lung Cancer patients (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Ramprahalad KM. Role of circulating tumor DNA in assessing chemotherapy response in Triple Negative Breast Cancer (DM Thesis).
2. Sreekanth B. Role of serum carcino embryonic antigen as a predictive and prognostic marker of response to treatment in patients with Advanced Non Small Cell Lung Cancer – A prospective observational study (DM Thesis).
3. Lakshmi Priyadarshini K. Serum procalcitonin versus CRP levels as early diagnostic markers of sepsis in cancer patients with febrile neutropenia (DM Thesis).

4. Vandanasetti Santhosh. Change in receptor status after neoadjuvant chemotherapy in breast cancer and its prognostic significance (DM Thesis).

16.3 Conferences attended, lectures delivered:

Dr D.Bhargavi., was attended IPTCON 2018 a (DST- sponsored National Conference under CURIE Phase-II) and delivered a Lecture on “Her2 Targeting agents “ at Sri Padmavathi Mahila Visvavidyalayam (Women’s University) Tirupati on 29th June 2018.

Presentations by postgraduate students

Postgraduate students pursuing DM (Medical Oncology) presented the following papers / Posters at:

CANCERCON at Chennai during 2-3 February 2018

1. **Ramprahalad KM.** ATRA Induced pulmonary artery hypertension a rare side effect in APML.

TYACON 2018 at Chennai during 1-2 September 2018

1. **Sreekanth B.** Intra cranial germ cell tumor in 12 year old boy.

APAPICON at Kuppam during 8-10 September 2018

1. **Ramprahalad KM.** Clinical profile of Testicular Germ Cell Tumors – SVIMS experience.

ISMPOCON 2018 at Jaipur during 16-18 November 2018

1. **Sreekanth B.** Two cases of Primary Ovarian Lymphoma.

PEDICON at Vijayawada during 1-2 December 2018

1. **Priyadarshini KL.** A rare presentation of pediatric NHL and Spectrum of pediatric malignancies in a tertiary care center.

16.4 Publications

1. Kannan T. In vitro proliferation of human haematopoietic and stem cells by andrographis paniculata – Neem extracts. J Stem cells 2018;12(4).
2. Shilpa K, Kannan T, Bhargavi D, Ravisankar A, Praveena V, Santhosh V. Metronomic chemotherapy in recurrent, residual and metastatic Head and Neck Cancers. Indian J Applied Res 2018;8(6).
3. Praveena V, Kannan T, Bhargavi D, Sarma PVGK, Shilpa K, Santhosh P. Estimation of plasma epidermal growth factor receptor (EGFR) mutation status and its correlation with tumor tissue EGFR mutation status in advanced non-Small cell Lung cancer patients. Indian J App Res 2018;8(6).
4. Patnayak R, Jena A, Bhargavi D, Chowhan AK. Androgen Receptor Expression in Triple Negative Breast Cancer – study from a tertiary Health Care

Center in south India. J Med Paediatr Oncol 2018;39:28-31.

16.5 Oration conducted by the dept

1. 2nd Medical Oncology chair oration conducted by the department of Medical Oncology on 26th October 2018.

16.6 CMEs/Seminars/Workshops/Orations attended

1. **Dr T. Kannan**, chaired scientific session in CME “Update on Prostate Cancer-From Physiology To Palliation” on “Management of CRPC” at SVIMS on 8th December, 2018.
2. **Dr B.Sreekanth**, attended
· CME “Immuno – Oncology” at Delhi on 2nd December 2018.
· SPEAK – Breast Cancer” at Mumbai on 16th December 2018
3. **Dr Priyadarshini KL, Dr V Santhosh** attended Young Medical Oncologist conference at Vizag in November 2018.

17.0 DEPARTMENT OF MEDICINE

Professor & Head

Dr Alladi Mohan

Faculty

Dr B. Siddhartha Kumar
Dr Likhitha B
Dr M. Harika
Dr M. Aruna

Dr. Prabhath Kumar
Dr D.T.Katyarmal
Dr J. Hari Krishna
Dr Manolasya V

Dr K.M. Bhargav
Dr V. Sameeraja
Dr V. Arun Raja
Dr Sandeep Reddy Adam

Lecturer/Resident Specialist

Dr Bhukya Sree vidya

Dr D Neeharika

Dr G. Sindhu

Senior Residents

Dr G. Sindhu
Dr M. Babu

Dr B. Sreevidya
Dr D. Neeharika

Dr K. Rajeshwari

MD PG Junior Residents

Dr Anjali Praveen
Dr Niveditha Gajjala
Dr M. Soumya

Dr Tanikanti Sowjanya Lakshmi
Dr Rahul Conjeevaram
Dr Madigonda Ganesh
Dr Vasili Pradeep
Dr T Neeharika
Dr Gureddy Harshavardhan Reddy
Dr Racheri Suryudu
Dr Devika Reddy Vakkakula
Dr Krishna Kumar Mala

Dr Nandaluri Sairam
Dr Mounika Gopalram
Dr Lavanya S
Dr Haneesha M
Dr Seelabanu P
Dr K. Hemsai
Dr Sunil Kumar C
Dr N. Mounika
Dr C.V.S. Manasa

17.1 Awards, achievements and felicitations

1. Dr Alladi Mohan is

- *Chairman* (2018-19), AP State Chapter of Association of Physicians of India (AP API)
- *Member*, Standard Treatment Workflows (STW) - General Medicine Group, Department of Health Research, ICMR, Govt. of India
- *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)

- *Associate Editor*, Lung India (Indexed in PUBMED)
- *Member, Editorial Board*, CHEST (Indian Edition), Official publication of American College of Chest Physicians, since 2017.
- *Member Scientific Committee and Editorial Board*. Progress in medicine 2018. Mumbai: Association of Physicians of India, Indian College of Physicians; 2018.
- *Editor*, Journal of Clinical and Scientific Research

Dr Alladi Mohan was awarded

- Dr Koppachi Krishnamurthy Oration, Gold Medal 2018, by the Andhra Pradesh State Chapter of Association of Physicians of India)
- Dr A. Chakrapani Memorial Oration, Gold Medal 2018, by the Andhra Pradesh TB & Chest Diseases Association

Annual Report 2018

Dr Yellapragada Subbarow Memorial Oration, Gold Medal 2018, by the Indian Medical Association (Vijayawada)

46th AP State Chapter of Association of Physicians of India (AP APICON 2018) at Kuppam during 7-9 September, 2018

1. **Dr G. Niveditha**, Junior Resident Postgraduate student in MD (Medicine) (2016-2019) won the **Best paper Award** (*Platform Presentation*) (*Cash Prize of Rs 5000/-*) for the paper titled “Study of burden, clinical characteristics, method of confirmation of diagnosis and treatment outcome in patients with extra pulmonary tuberculosis: a prospective study” in the Award Session.
2. **Dr A. Praveen**, Junior Resident Postgraduate student in MD (Medicine) (2016-2019) won the **Best Paper Award** Free Paper (*Platform Presentation*) for the paper titled “Burden of drug-resistant tuberculosis in “previously treated” smear-positive pulmonary tuberculosis patients: a prospective study” in the Award Session.
3. **Dr V. Pradeep** Junior Resident Postgraduate student in MD (Medicine) (2017-2020) won the **II Best Poster Award** (*Miscellaneous Section, Cash Prize of Rs 500/-*) for the poster titled “Stevens-Johnson syndrome (SJS) / toxic epidermal necrolysis (TEN) overlap syndrome due to oral phenytoin”.
4. **Dr T. Sowjanya Lakshmi** Junior Resident Postgraduate student in MD (Medicine) (2017-2020) won the **II Best Poster Award** (*Nephrology Section, Cash Prize of Rs 500/-*) for the poster titled “Hypokalemic paralysis with distal RTA (Renal Tubular Acidosis) as presenting feature of Sjogren’s syndrome”.

17.2 Research projects

Ongoing Research project

1. **Principal Investigator:** Dr Alladi Mohan. **Title:** To study the effect of mobile phones on well-being, sleep and cognitive function. **Funding Agency:** Department of Science & Technology (DST), Ministry of Science & Technology, Government of India.

17.3 Research work

Theses submitted

1. Niveditha G. Study of burden, clinical characteristics, method of confirmation of diagnosis and treatment outcome in patients with extra pulmonary tuberculosis: a prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Praveen A. Burden of drug-resistant tuberculosis in “previously treated” smear-positive pulmonary tuberculosis patients: a prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Soumya M. Demographic characteristics, clinical presentation, risk factors, and pathological types of lung cancer: a prospective study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Krishna Kumar M. A study of the burden of diabetes mellitus in patients with sputum-smear positive pulmonary tuberculosis (MD Thesis).
2. Suryudu R. Clinical profile of polycystic ovarian syndrome (PCOS) (MD Thesis).
3. Harshavardhan Reddy G. Etiology, clinical profile and outcome in patients with hyponatremia admitted to medical intensive care unit (MICU): A prospective study (MD Thesis).
4. Ganesh M. A study of microalbuminuria in sepsis with reference to acute physiology and chronic health evaluation II (APACHE II) score in patients admitted to a medical intensive care unit (MICU) (MD Thesis).
5. Devika Reddy Vakkakula. A study of prevalence and determinants of thyroid dysfunction in patients with type 2 diabetes mellitus in a tertiary care hospital (MD Thesis).
6. Rahul C. Study of diagnostic accuracy of xpert MTB/RIF in various forms of tuberculosis (MD Thesis).
7. Sowjanya Lakshmi T. Effect of hyperglycemia on outcome of critically ill patients (MD Thesis).

8. Neeharika T. A study on clinical profile evaluation and management of rapidly progressive glomerulonephritis (MD Thesis).
9. Vasili Pradeep. Aetiology, clinical presentation and outcome in patients with community acquired pneumonia requiring hospitalization: a prospective study (MD Thesis).

Thesis work carried out in collaboration with other Departments

Dr D.T. Katyarmal was Co-guide for the following thesis

1. Nibandhana G. A prospective study on the common infectious causes of thrombocytopenia (dengue fever, leptospirosis, scrub typhus, malaria) in a tertiary care teaching hospital. (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Dr Alladi Mohan was Co-guide for the following theses

1. Sai Krishna Chaitanya P. Pulmonary function in hypothyroidism before and after restoration of euthyroid status (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Bhargavi T. A study of clinical presentation and outcome of patients with guillain-barre syndrome – a prospective observational study at a tertiary care teaching hospital (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Sowjanya J. Clinical presentation, precipitating factors and biochemical profile in relation to the in hospital clinical course and outcomes of DKA (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

17.4 Conferences attended, lectures delivered

Dr Alladi Mohan, attended and delivered the following lectures

1. “Acute respiratory failure in the MICU: a physician’s perspective” at the Annual National Conference of the Association of Physicians of India at Mumbai during 22-25 February 2018.
2. “HIV-TB Clinical presentation” at the TS-AIDSCON 2018 Telangana State Conference at Warangal on 15th April 2018.

3. “Acute respiratory distress syndrome: My experience (Dr Koppachi Krishnamurthy Oration)” at the 46th Annual Conference of the Andhra Pradesh State Chapter of Association of Physicians of India at Kuppam during 8-9 September 2018.
4. “Tuberculosis: clinical perspective” at the National Tuberculosis Conference, Kasturba Medical College, Manipal on 6th October 2018.
5. Extrapulmonary tuberculosis: A clinician’s perspective (Dr A. Chakrapani Memorial Oration) in the Andhra Pradesh TB & Chest Diseases Conference at Madanapalli on 10th November 2018.
6. “Current trends in the diagnosis and management of TB” (Dr Yellapragada Subbarow Memorial Oration) organised by the Indian Medical Association (Vijayawada) on 18th November 2018.

17.5 Presentations by postgraduate students

Postgraduate students pursuing MD (Medicine) presented the following papers at the 46th AP State chapter of Association of Physicians of India (AP APICON 2018) at Kuppam during 7-9 September 2018.

1. **Niveditha G, Mohan A, Jayaprada R, Sarma KVS, Prayaga A.** Study of burden, clinical characteristics, method of confirmation of diagnosis and treatment outcome in patients with extra pulmonary tuberculosis: a prospective study.
2. **Praveen A, Mohan A, Ramana KV, Sarma KVS, Prabath Kumar D.** Burden of drug-resistant tuberculosis in “previously treated” smear-positive pulmonary tuberculosis patients: a prospective study.
3. **Soumya M, Mohan A, Harikrishna J, Rukmangada K, Ravisankar A.** Demographic characteristics, clinical presentation, risk factors, and pathological types of lung cancer: a prospective study.
4. **Devika Reddy V, Mohan A, Sivakumar V.** Temporal trends in acute kidney injury in adult patients: a retrospective study.
5. **Pradeep V, Mohan A, Sivakumar V.** Acute kidney injury in elderly: a retrospective study.

6. **Rahul C, Katyarmal DT, Manolasya V, Usha Kalawat.** Leptospirosis presenting with bilateral intracerebral hemorrhage: a case report.
7. **Ganesh M, Harikrishna J, Aparna Reddy S, Mohan A.** Anti-synthetasesyndrome:a case report.
8. **Sowjanya Lakshmi T, Sadasivaiah G, Sameeraja V, Jayaprada R.** Hypokalemic paralysis with distal RTA (Renal Tubular Acidosis) as presenting feature of Sjogren's syndrome:a case report.
9. **Devika Reddy V, Sadasivaiah G, Sameeraja V, Vijayalakshmi Devi B.** Kartagener's syndrome: a case report.
10. **Neeharika T, Arun Raja V, Harikrishna J, Mohan A.** Cold abscess in scrotum: a case report.
11. **Harshavardhan Reddy G, Bhargav KM, Sunitha A, Siddhartha Kumar B.** Acute coronary syndrome in near hanging: a case report.
12. **Suryudu R, Hari Krishna J, Mohan A.** Mercuric chloride(Veeram) poisoning:a case report.
13. **Krishna Kumar M, Sadasivaiah G, Sameeraja V, Vijayalakshmi Devi B.** Plummer Vinson Syndrome: a case report.
14. **Pradeep V, Harikrishna J, Mohan A, Surekha A, Surya Durga Devi PS.** Stevens-Johnson syndrome (SJS) /toxic epidermal necrolysis (TEN) overlap syndrome due to oral phenytoin: a case report

17.6 Publications

Publications in indexed journals

1. Mohan A, Harikrishna J, Kumar DP, Kumar ND, Sharma PS, Kumar BS, Sarma KVS. Provider-initiated HIV testing & counselling in incident tuberculosis cases under National TB Programme conditions at a tertiary care teaching hospital in Tirupati, south India. *Indian J Med Res* 2017;146:774-9.
2. Kumar BS, Suneetha P, Mohan A, Kumar DP, Sarma KVS. Comparison of Disease Activity Score in 28 joints with ESR (DAS28), Clinical Disease Activity

Index (CDAI), Health Assessment Questionnaire Disability Index (HAQ-DI) & Routine Assessment of Patient Index Data with 3 measures (RAPID3) for assessing disease activity in patients with rheumatoid arthritis at initial presentation. *Indian J Med Res* 2017;146(Supplement):S57-S62.

3. Sharma SK, Mohan A, Singh AD, Mishra H, Jhanjee S, Pandey RM, Singh BK, Sharma R, Pallipamu PB, Pai M, Dheda K. Impact of nicotine replacement therapy as an adjunct to anti-tuberculosis treatment and behaviour change counselling in newly diagnosed pulmonary tuberculosis patients: an open-label, randomised controlled trial. *Sci Rep* 2018;8:8828.
4. Racherla RG, Pamireddy ML, Mohan A, Mudhigeti N, Mahalakshmi PA, Nallapireddy U, Kalawat U. Co-circulation of four dengue serotypes at South Eastern Andhra Pradesh, India: A prospective study. *Indian J Med Microbiol* 2018;36:236-40.
5. Pullaiah P, Suchitra M. M., Siddhartha Kumar B. Protein carbonyls and protein thiols in rheumatoid arthritis. *Int J Res Med Sci.* 2018;6(5):1738-41.
6. Nibandhana G, Kalawat U, Sharma KK, Patnayak R, Katyarmal DT, Chaudhury A. A prospective study on the common infectious causes of thrombocytopenia (dengue fever, leptospirosis, scrub typhus and malaria) in a tertiary care teaching hospital. *J Clin Sci Res* 2018;7:2-6.
7. Bhargav KM, Harikrishna J, Mohan A. Existing and emerging drug therapies in pulmonology. *Pulm Clin India* 2018;4:36-56.

Book Chapters

1. Mohan A, Sindhu G. Acute respiratory failure in the MICU: a physician's perspective. *Progress in medicine* 2018. Mumbai: Association of Physicians of India, Indian College of Physicians; 2018(28):170-6.
2. Mohan A, Bhargav KM, Harikrishna J. Approach to rales. In: Bandyopadhyay D, editor. *Clinical medicine update* 2018. Patiala: Indian Association of Clinical Medicine; 2018(XXI):215-8.

17.7 CMEs attended

Dr Alladi Mohan, attended the following

1. “Dos and Don’ts in the diagnosis and management of extrapulmonary TB” in the Regional CME programme conducted by the Andhra Pradesh State Chapter of Association of Physicians of India at Nellore on 1st April 2018.
2. “Tuberculosis in the post-transplant scenario in India” at the CME Programme conducted at the Global Hospitals, Chennai on 30th May 2018.
3. “Tuberculosis diagnosis and management: recent update” in the 40th CME Programme in Internal Medicine Medicine organized by Medical Education and Research Trust (MERT) at Bengaluru on 4th October 2018.
4. “Hypothesis testing” at the Workshop on Statistics conducted at Kasturba Medical College, Manipal on 7th October 2018.
5. “Sepsis: what is new?” in the Regional CME programme conducted by the Andhra Pradesh State Chapter of Association of Physicians of India at Rajahmundry on 9th December 2018.

17.8 Public awareness lectures

1. World TB day March 24, 2018, World No Tobacco Day May 31, 2018.

Dr Alladi Mohan, has been

1. Chairman, South-I Zonal Task Force Operational Research (OR) Committee for the involvement of Medical Colleges in the Revised National Tuberculosis Control Programme (RNTCP) of Government of India.
2. Member, National Operational Research (OR) Committee for the involvement of Medical Colleges in the Revised National Tuberculosis Control Programme (RNTCP) of Government of India
3. Examiner for MBBS (Maharashtra University of Health Sciences, Maharashtra; Dr NTR University of Health Sciences, Andhra Pradesh), MD (Medicine/General Medicine) (AIIMS, New Delhi; Maharashtra University of Health Sciences, Maharashtra)
4. Dr D.T. Katyarmal was Examiner for MBBS, MD (Medicine/General Medicine) (Maharashtra University of Health Sciences, Maharashtra)

18.0 DEPARTMENT OF MICROBIOLOGY

Assoc. Professor & HoD i/c

Dr K.K. Sharma

Faculty

Dr Abhijit Chaudhury
Dr Usha Kalawat

Dr B.Venkata Ramana
Dr R.Jayaprada

Dr Anju Verma
Dr N. Ramakrishna

Lecturer / Resident Specialist

Dr S. Yamini
Dr V S Srikala

Tutors

Dr S. Noble Ujesh
Dr Vangara Harika

Research Scholars

Nagaraja M
Rishi Gowtham R

Meenakshi K
Srikar A

18.1 Awards, Achievements and felicitations

The VRDL lab is upgraded from Medical College level (grade 3) to State level VRDL (grade 2), first of its kind in the state of Andhra Pradesh.

18.2 Research Projects

Ongoing Research projects

- Principal Investigator:** Jayaprada R. **Title:** Molecular and Biochemical Characterization of clinical isolates of group B Streptococci.

18.3 Research Work

Theses submitted

- Noble Ujesh.** Study of microbiological profile, antimicrobial susceptibility patterns related to central line associated blood stream infections in an respiratory intensive care unit setting in a tertiary care hospital, SVIMS, Tirupati, Andhra Pradesh (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work:

- Vangara Harika. A study to evaluate the usefulness of rapid antigen detection in comparison to Real Time PCR for diagnosis of influenza virus infection in clinically suspected patients with influenza like illness in a tertiary care hospital, SVIMS, Tirupati (MD Thesis).

18.4 Conference attended, lectures delivered

Dr K.K. Sharma, attended the following

- 39th Annual conference of National Medicos organization NMOCON-2018 at Haryana during 24-25 February 2018.
- 40th Annual National conference of National Medicos organization NMOCON LUCKNOW 2018-19 at Atal Bihari Vajpayee Scientific Convention Centre, KGMU, Lucknow during 8-9 December 2018.

Dr Abhijit Choudhury, attended the following

- XIIth National Conference of Indian Academy of Tropical Parasitology (TROPACON 2018) and guest lecture delivered on “Immune response in filariasis in tropical countries” at IMS, BHU, Varanasi in September 2018.
- West Bengal Chapter of Indian Academy of Tropical Parasitology CME and delivered a guest lecture on “Immunology of Helminth Infections” at AIIPH, Calcuttai in December 2018.

Dr Usha Kalawat, attended IAMM TAPC XXI Annual State Conference 2018 at Narayana Medical College, Nellore during 19-21 January 2018.

Dr R. Jayaprada, attended the following

1. Presented Poster on “Evaluation in Reduction in Multidrug Resistance After implementation of AMSP programme and infection control practices” in International conference on Antibiotic stewardship and Infectious diseases, Amrita Institute of Medical sciences, Kochi, Kerala in collaboration with WHO-India and Imperial college of London during 27-28 October 2018.
2. As chair person on “Recent advances in paediatric education, practice and evidence based research in paediatric nursing” in one day National conference on “ An Update – Recent Advances in paediatric Nursing” on 17th November 2018.

Dr Usha Kalawat, Dr Anju Verma, attended the following

1. 8th Annual Conference of the Clinical infectious Diseases Society (CIDSCON-2018) at Vellore during 16-18 August 2018.
2. XV National Conference of Hospital Infection Society India (HISICON-2018) at Hyderabad during 4-6 October 2018.

Dr V.Harika, attended IAMM TAPC State conference during 19-21 January 2018.

Dr V. Harika, Dr K. Vineela, attended 8th Annual Conference of the Clinical Infectious Diseases Society (CIDSCON-2018) at CMC, Vellore during 16-18 August 2018

18.5 Presentations by PhD Scholars

PhD scholars pursuing Microbiology presented the following papers/ posters at:

21st Annual Conference, XXI IAMM TAPC Chapter at Narayana Medical College, Nellore during 19-21 January 2018.

1. Nagaraja Mudhigeti, Rishi Gowtham R, Padmalatha AM, Madhavilatha P, Umapathi U. 2017 Influenza outbreak in Andhra Pradesh, India.

7th National Seminar on Bioinformatics” during 14-15 March 2018.

1. Padmalatha AM, Rishi Gowtham R, Madhavi Latha P, Nagaraja M, Umapathi N, Meenakshi K, Usha

Kalwat. Dengue Virus, Chikungunya Virus and Zika Virus Surveillance.

2. Rishi Gowtham R, Sudheer Kumar k, Nagaraja M, Madhavilatha P, Padmalatha AM, Umapathi N, Umamaheswari A, Usha Kalawat. Analysis of Envelope Protein for Assessing the Predominant Circulating Serotypes of Dengue in South Eastern Andhra Pradesh, India.
3. Madhavi Latha P, Sharma KK, Mohan A, Usha Kalawat, Sarma PVGK. Conventional PCR with primers G1/GII B64 I/II in the diagnosis of Leptospirosis.

National Conference on Innovations and Future Challenges in Biotechnology during 26-28 March 2018.

1. Nagaraja Mudhigeti, Usha Kalawat, Narendra H, VenkataRamana B. Loop Mediated Isothermal Amplification for detection of HPV 16 and 18 from cervical cancer tissue sample.
2. Rishi Gowtham R, Nagaraja M, Padmalatha AM, Madhavilatha P, Umapathi N, Meenakshi K, Abhijit Chaudhury, Alladi Mohan, Uma Maheswari A, Usha Kalawat. Co-circulation of four dengue serotypes at South Eastern Andhra Pradesh, India.

18.6 Publications

1. Usha Kalawat, Nagaraja Mudhigeti, Rishi Gowtham R, Padmalatha AM, Madhavilatha P, Umapathi U “2017 Influenza outbreak in Andhra Pradesh, India” Virus Research And Diagnostic Laboratory (VRDL), DHR-ICMR, Department Of Microbiology, Sri Venkateswara Institute Of Medical Sciences, Tirupati, Andhra Pradesh
2. Ramana BV, Rajasekhar K, Chaudhury A. The detection of metallo beta lactamase producing Pseudomonas aeruginosa in a tertiary care hospital. IJPRBS 2018;7(5):21-8.
3. Ramana BV, Mutheswaraiyah Y, Chaudhury A. Nontuberculous mycobacteria infection following laparoscopic hernia repair. IJPRBS 2018;7(5):37-45.
4. Jayaprada R, Nagaraja M, Sumanth Kumar GLS, Ramana BV, Kalawat U. Common fungal isolates

- from routine clinical specimens. A Two Year Study from a tertiary care hospital in South India. J.Clin Sci Res 2015;1:2-9.
5. Jayaprada R, Vasavi B, Ramana BV Sharma KK, Ramakrishna N. Evaluation of Hepatitis B vaccination status & Immune response Among Clinicians in a tertiary care hospital in South India. Submitted & Accepted to JCSR, SVIMS-JCSR_18_03-003.
 6. Ramakrishna N, Jayaprada R, Sharma KK. Significance of Antimicrobial Stewardship Programme. Submitted to JCSR and accepted, SVIMS, 2018.
 7. Ramakrishna N, Jayaprada R, Sharma KK, Yamini S, Srikala VS. Bacterial Pathogens and their antimicrobial susceptibility pattern Submitted to JCSR and accepted, SVIMS, 2018.
 8. Verma A, Mothu PN, Kalawat U, VishnuBhotla SK. Fungal Peritonitis in Continuous Ambulatory Peritoneal Dialysis (CAPD) Patients. JCDR 2018 ;12(8): DC06-09
 9. Racherla RG, Pamireddy ML, Mohan A, Mudhigeti N, Mahalakshmi PA, Nallapireddy U, et al. Co-circulation of four dengue serotypes at South Eastern Andhra Pradesh, India: A prospective study. Indian J Med Microbiol;2018 Apr 1;36(2):236.
 10. Nagaraja Mudhigeti, Abhijit Chaudhury, Kalyani Kurava, Usha Kalawat Detection of biofilm producing potentials of various species of coagulase negative Staphylococci under different environmental conditions and its clinical relevance. EJPBS 2018;609-15.
 11. Mudhigeti N, Patnayak R, Kalawat U, Yeddula SR. Subcutaneous *Rhytidhysterion* Infection: A Case Report from South India with Literature Review. Cureus. 2018;10(4).
 12. Chitra Rao, Harmanmeet Kaur, Nivedita Gupta, Sasidharanpillai Sabeena, Ambica R, Amita Jain, Ashvini Yadav, Bhagirathi Dwibedi, Bharti Malhotra, Dalip K Kakru, Debasis Biswas, Deepali Savargaonkar, Ganesan M, Jyotsnamayee Sabat, Kanwardeep Dhingra, Lalitha S, Neena Valecha, Pamireddy Madhavilatha, Pradeep V Barde, Piyush D Joshi, Pratibha Sharma, Rajarshi Gupta, Ratho RK, Shailpreet Sidhu, Shakti Saumnam Shrivastava, Shanta Dutta, Shantala GB, Sheikh Imtiaz, Shveta Sethi, Usha Kalawat, Vijayachari P, Vimal, Neetu Vijay, Biswajyoti Borkakoty, Purnima Barua, Tapan Majumdar, Govindakarnavar Arunkumar. Manuscript reference No. is IJMR_870_18; Geographical distribution of primary and secondary dengue in India -2017 - a cross- sectional multi-centric study in Indian J Medical Research. (Accepted manuscript).
 13. Dr Madhavilatha Pamireddy, Dr Usha Kalawat, Dr V. Siva Kumar, Anagoni Srikar, Rishi Gowtham Racheria, Dr Anju Verma. Evaluation of procalcitonin for diagnosis of peritonitis in patients on continuous ambulatory peritoneal dialysis. International Journal Of Scientific Research 2018;12
- ### 18.7 Seminars /Workshops conducted by the Dept.
1. 3rd hands on training workshop on virus diagnostic methods” was conducted and trained 12 post graduate and technical staff during 28-29 December 2018.
 2. Conducted the 36 Seminars, 12 Journal Clubs, 12 Journal review during the year 2018
- ### 18.8 CMEs /Seminars /Workshops /Trainings attended
- Dr V. Harika**, attended the following
1. IAMM PG Assembly at Manipal University during 27-29 September 2018.
 2. IAMM National Conference at NIMHANS, Bangalore during 28th November – 2nd December 2018.
- Rishi Gowtham R**, attended the following
1. Workshop on “3rd Annual Hands-on Training on Virus Diagnostic Methods at SVIMS, Tirupati during 28-29 December 2018.
 2. National workshop on Basics of Cell Culture Techniques at SVIMS, Tirupati during 20-28 April 2018.

Dr D Soumya, attended a training program on “Molecular monitoring of Dengue and Chikungunya viruses circulating across the country for changes in serotype, genotype and lineages and assessment of neuraminidase inhibitor susceptibility by detecting H275Y mutation in influenza A/H1N1pdm09 virus” at RC-VDL, National Institute of Virology, Pune during 25th November -1st December 2018.

Ms Sukanya Palli (CA inter-professional, SVIMS) had attended PFMS training program at Department of Health Research, New Delhi during 8-9 August, 2018.

Mr M Nagaraja and Mr Rishi Gowtham R, attended a training program on “Training on real time RT-PCR based allelic discrimination for influenza virus” at RC-VDL, National Institute of Virology, Pune during 14-15 February 2018.

18.9 Other academic activities

Dr Abhijit Choudhury,

1. Reviewer for:
 - Indian Journal of Medical Research
 - Journal of Clinical and Diagnostic Research
 - The Open Microbiology Journal
 - BMC Microbiology
2. Appointed as Chief Managing Editor of Tropical Parasitology.

3. MCI Assessment: PG and UG assessment in Orissa and UP.
4. MBBS examiner at WBUHS and MG Ramachandran University of Health Sciences, Tamil Nadu
5. MD examiner at West Bengal University of Health Sciences & MUHS.

Dr R. Jayaprada

1. Associate editor for Journal of Clinical & Scientific Research (JCSR), SVIMS, Tirupati since 2013.
2. Established Hospital infection control programme to its full extent from 2013 onwards.
3. Working as HIC coordinator for NABH-full Accreditation.
4. Study of Antimicrobial resistance pattern in central line associated blood stream infection in various Intensive Care Units (ICU's) – a 3 year study in a tertiary care Hospital by Dr R. Jayaprada, Dr N. Ramakrishna, Dr S. Yamini, Dr K. Vineela.

19.0 DEPARTMENT OF NEPHROLOGY

Professor & Head

Dr R.Ram

Sr. Professor

Dr V. Siva Kumar

Faculty

Dr Praveen Nallamothu
Dr Lokesh junior

Dr R.D.Nagaraj

Dr Sivaparvathi

DM PG Senior Residents

Dr Sunnesh Reddy Anapalli
Dr Nannapaneni Sai Sameera

Dr K. Naveen Kumar
Dr M. Raja Amarendra

Dr Naga Alekhya B
Dr Maria Bethsaida Manual

19.1 Awards, Achievements and Felicitations

1. **Dr R Ram**, Professor & Head of the Department was received **State Teacher Award** instituted by the Commissionerate of Collegiate Education, Department of Higher Education, Government of Andhra Pradesh under the subject-wise category 'Medical' in recognition of meritorious service as a teacher on 5th September at Amaravat from the Hon'ble Chief Minister of A.P.
1. **Dr Sunnesh Reddy, Dr Sai Sameera**, Senior Resident in Nephrology won **Second prize** in ISNSCCON -2018 south zone conference at Hyderabad.
2. **Dr Raja Amarendra**, Senior Resident in Nephrology won **First prize** in APSN -2018 conference at Nellore and **Second prize** in the PDSICON 2018 at Aurangabad

19.2 Research work

Theses submitted

1. **Praveen N.** A study of insulin resistance in non diabetic chronic kidney disease patients (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. **Sarat Chandra V.** A study of Hepatocyte growth factor in Chronic kidney disease patients in predialysis stage compared to patients on maintenance haemodialysis and its correlation with Hs CRP, Nitric oxide and Oxidative stress markers (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. **Sunnesh Reddy A.** To study the risk factor profile for thrombophilia in patients of ESRD on maintenance dialysis with failed AV fistulas (DM Thesis).
2. **Sai Sameera N.** A study of oxidative stress, inflammatory markers, endothelial dysfunction in diabetic and non diabetic chronic kidney disease patients on peritoneal dialysis (DM Thesis).
3. **Raja Amarendra Muthina.** Gonadal function and body composition in adult men with non diabetic chronic kidney disease (predialysis) (DM Thesis).
4. **Naveen Kumar Koppara.** A study of oxidative stress, inflammation and endothelial dysfunction in diabetic and non-diabetic chronic kidney disease pre dialysis patients (DM Thesis)

19.3 Conferences attended, lecture delivered

Dr Ram, attended ISNCON 2018 and presented a lecture on experience with peritoneal dialysis at Bhubaneswar

Dr V Sivakumar, attended ISOT and chaired a session at Hyderabad in October 2018.

Dr Praveen N, presented a case in the winter symposium at CMC vellore 2018, attended the zonal level TYSA quiz at Chennai 2018 and ISOT at Hyderabad in October 2018.

19.4 Presentations by post graduate students

Postgraduate students pursuing DM (Nephrology) presented the following poster and oral presentation at:

PDSICON 2018 at Aurangabad

1. Naveen. Risk factors for early onset peritonitis.
2. Raja Amarendra :Dialysis creatinine response patterns during peritoneal equilibration test and the association between cv morbidity : findings from a prospective cohort study.

19.5 Publications

1. Sangeetha B, Deepa N, Hemalatha M, Latha CM, Ram R, Siva Kumar V. Exit-Site Infection: A Comparison of Classification Systems. *Perit Dial Int* 2018;38:6462-3.
2. Sarala S, Sangeetha B, Mahapatra V S, Nagaraju R D, Kumar A, Lakshmi A Y, Ram R, Kumar V S. Cephalic arch stenosis: Location of stenosis in indian hemodialysis patients. *Indian J Nephrol* 2018;28:273-7.
3. Sangeeta Lakshmi B, Padmavathi Devi SV, Sai Sameera N, Sunnesh Reddy A, Ram R, Siva Kumar V. IgA Nephropathy in a Patient with IgG Myeloma. *Indian J Nephrol* 2018; 28(5):404-6.
4. Chandra VS, Sanggetha Lakshmi B, Padmavathi Devi SVV, Praveen N, Sameera NS, Reddy AS, Ram R, Kumar VS. Mitochondrial Neurogastrointestinal Encephalomyopathy: A Nonrenal Indication for Peritoneal Dialysis. *Indian J Nephrol* 2018;28(4):310-3.
5. Sangeetha B, Sarat Chandra V, Praveen N, Ram R, Siva Kumar V. Tunnel infection diagnosed by 18 F-FDG PET/CT scan. *CEN Case Rep* 2018;7(1):180-2.
6. Hari Krishna Reddy M, Kumar AC, Sangeetha B, Ram R, Siva Kumar V. Anti-PLA2R antibody in a secondary cause of membranous nephropathy. *Nephrology (Carlton)* 2018;23(1):94-5.
7. Harikrishna Reddy M, Padmavathi Devi SV, Sangeetha Lakshmi B, Anil Kumar CV, Ram R, Siva Kumar V. Multi-focal Tuberculous Osteomyelitis in a Kidney transplant patient. *Nephrology (Carlton)* 2018;23(3):288-9.
8. Lakshmi BS, Vidya B, Reddy MHK, Kumar ACV, Ram R, Kumar VS. Sensorineural deafness following tacrolimus use. *Exp Clin Transplant* 2018. doi: 10.6002/ect.2017.0114.
9. Bitla AR, Sandeep P, Ashalatha VL, Lakshmi AY, Srinivasa Rao PVLN, Rajasekhar D, Siva Kumar V. Mehran risk score for predicting contrast-induced nephropathy: Relevance to Indian population. *J Clin Sci Res* 2017;6:133-7.
10. Anju Verma, Praveen Nallamotheu, Usha Kalawat, Siva Kumar Vishnu Bhotla. Fungal peritonitis in Continous Ambulatory Peritoneal dialysis(CAPD) patients. *Journal of Clinical and Diagnostic Research*, 2018.
11. V.Chaitanya,N. Harini Devi 1 ,M.M.Suchitra1, P.V.L.N.Srinivasa Rao1,B.Vijaya Lakshmi2,V.Siva Kumar; Osteopontin, Cardiovasulr Risk Factors and Carotid Intima-Media Thickness in Chronic Kidney disease, *Indian Journal of Nephrology*, 2018.
12. Lakshmi B S, Nagaraj R D, Chaitanya V, Reddy M H, Kumar AC, Sridhar A V, Kishore C K, Kumar V S. Pickering syndrome in a dialysis patient: A case report with review of pathophysiology. *J NTR Univ Health Sci* 2018;7:57-9.
13. Udaya Bhaskar K, Harini Devi N, Aparna R.Bitla, Srinivasa Rao PVLN, Siva Kumar V, Alok Sachan. Ischemia Modified Albumin Levels in Patients with Diabetic Nephropathy. *Turk J Endocrinol Metab* 2018;22(3):145-50.
14. Sangeetha Lakshmi B, Harini Devi N, Suchitra MM, Srinivasa Rao PVLN, Siva Kumar V. Changes in the inflammatory and oxidative stress markers during a single hemodialysis session in patients with chronic kidney disease. *Ren Fail.* 2018 Nov;40(1):534-40,
15. Sasanka P, Geetha K, Kiranmayi VS, Siva Kumar Vishnubhotla. Dietary Recall and Nutritional Index in Continuous Ambulatory Peritoneal Dialysis Patients. *Indian J Nutrition Diet* 2018;55(3):345.
16. Naresh Y, Srinivas N, Vinapamula KS, Pullaiah P, Rao PS, Sivakumar V. Carbamylated hemoglobin

- can differentiate acute kidney injury from chronic kidney disease. *Indian J Nephrol* 2018;28:187-90.
17. Krishna Kishore Ch, Harini Devi N, SrinivasaRao PVLN, Lakshmi A Y, Siva Kumar V. A Study of markers of oxidative stress, inflammation and Endothelial dysfunction in End-Stage Renal Disease patients with Hepatitis C virus positive status on maintenance Hemodialysis. *J Clin Diagnos Res* 2018;12(6):17-20.
 18. Lolla DP, Krishna Mohan V S, Manthri R, Kalawat T, Lakshmi AY, Kumar V S. Prostatic abscess as a cause of pyrexia of unknown origin in posttransplant recipient detected on F18 Fluorodeoxyglucose positron emission tomography/computed tomography. *Indian J Transplant* 2018;12(2):152-5.
 19. Patnaik R, Lakshmi B S, Reddy M H, Kumar AC, Jena A, Kumar V S. Squamous cell carcinoma tongue in a postrenal transplant patient: A case report and review of literature. *Indian J Transplant* 2018;12:156-8.
 20. Mallipeddi S, Jasti DB, Apparao A, Vengamma B, Sivakumar V, Kolli S. A clinical and electrophysiological study of peripheral neuropathies in peritoneal dialysis patients: Our experience from rural South India. *Saudi J Kidney Dis Transpl* 2018;29:1139-49.
 21. LingalaMaheesha, Dr PillaS.SuryaDurga Devi*, PolaBogeswara Reddy, Tirupathi Devi Priya, Dr K.Umamaheswara Rao, Dr B.Siva Kumar; Adverse drug reactions associated with Immunosuppressive Therapy in Kidney Transplantation patients as Addressed using Causality, Severity and Preventabiligy Scales, ISSN, 2018.
 22. Pavithra Cirevali¹, Harini Devi Nijmmanapalli³, Lallith Kumar Parlapalli¹, Lakshmi Sowjanya Nuthalapati¹, Anitha Kuttiappan², Siva Kumar Vishnu Bhotla⁴; Pill Burden, Drug class distribution and Financial Burden for buying medicines in Different modalities of Chronic Kidney Disease Patients :Cross Sectional study, *International Journal of Pharmacy and Pharmaceutical Sciences*, 2018.

19.6 Oration conducted by the department

Balaji Endowment Oration by Professor VIJAY KHER, consultant, Medanta, Gurugram the topic “Epidemic of chronic kidney disease in india-current perspectives”

19.7 Other Academic activities

Dr Praveen N, Dr Sarat Chandra V, attended the Mock test conducted by Nephrology association at Mumbai.

Dr Praveen N, Dr Sarat Chandra V, Dr Hari Krishna Reddy, Dr Anil Kumar CV, attended the APEX Foundation at Mumbai

20.0 DEPARTMENT OF NEUROLOGY

Senior Professor & Head

Dr B. Vengamma

Faculty

Dr K.Satya Rao
Dr T.Naveen
Dr S.V. Naveen Prasad

Dr K. Anil Kumar
Dr Apparao Anumolu
Dr. M. Sarat

Dr. G. Pavan Kumar Reddy
Dr. D.V. Seshagiri

DM PG Senior Residents

Dr Rakesh Reddy Reddigari
Dr Pynam Pranuthi
Dr PSSS Neelima Ch

Dr M.K. Usha Chowdary
Dr Manideep Malaka
Dr Tirupati Kedar

Dr A Sunitha
Dr Sateesh Gudla
Dr Srikanth K

20.1 Awards

1. **Dr Appar Rao Anumolu**, was received **Dr G. Subramanyam & Dr. Smt. G. Sunitha Subramanyam Medal** for the Best outgoing DM Student for the year 2018.
2. **Dr Yeswanth Paidimarri**, was recieved **Best paper Award** for the year 2018 at “APNSA 2018” at Kakinada during 8-10 June 2018.

20.2 Research work

Theses submitted

1. Appa Rao A. Impact of thyroid auto antibodies on severity and functional outcome in acute ischemic stroke (DM) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Narasimha Reddy BL. A study of cognitive impairment in chronic dialysis patients (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Yeshwanth P. A Study of neuron specific enolase for assessing the severity and outcome in patients with acute ischemic stroke (DM). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Rakesh Reddy R. A study on association of Cyp 2c9 polymorphism with phenytoin toxicity (DM).
2. Pranuthi. P. Prognostic significance of serum troponin I levels in acute ischaemic stroke (DM).

3. Poorna Sree Sesha Sai Neelima Ch. Assessment of intracranial and extracranial vascular disease in acute ischaemic stroke (DM).
4. Madineni K. Usha Chowdary. A study of prognostic significance of increased mean platelet volume and platelet distribution width in patients with cerebral venous sinus thrombosis (DM).
5. Tirupati Kedar. A study on stroke awareness and factors delaying thrombolytic therapy in acute ischemic stroke patients at a tertiary care hospital (DM).
6. Manideep Malaka. Comparision of frequency of motor and non motor symptoms in young onset versus late onset andomize disease (DM).

Thesis work done in collaboration with other departments

Theses submitted

Dr B. Vengamma, as Co - Guide for the following thesis

1. **Bhargavi T.** A study of Clinical presentation and outcome of the patients with Guillain Barre syndrome –A Prospective observational study. (MD Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. **Raghavendra K.** Prevalence of Autonomic Neuropathy in patients with Type 2 Diabetes Mellitus with special reference to cardiac Autonomic Neuropathy. (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

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20.3 Conferences attended, lectures delivered

Dr B. Vengamma, attended the following

International

1. 10th World Congress of Neuro Rehabilitation with Theme Neurotechnologies to Community care organized by World Federation for Neuro Rehabilitation (WFNR) and Indian Federation of Neuro Rehabilitation and presented a paper on Effect of repetitive transcranial magnetic stimulation on corticomotor excitability and motor function of the affected hand in subjects with stroke at Mumbai during 7-10 February 2018.

National

Guest Lectures delivered

1. “Challenging case with Diagnostic Dilemma” of case presentation of demyelinating disorder at pre conference workshop at Conference of the Indian Academy of Neurology, ICTRIMS 2018 with the main theme of Autoimmune neurology – Demyelination at Kochi during 13-15 July 2018.
2. “Epilepsy and women” at WINNERS 2018 (Women In Neurology – New Emerging Research Symposium) at Udaipur, Rajasthan on 8th March 2018.
3. Withdrawal of anti epileptic Drugs” at 25th Annual Conference of AP. Neuro Scientists Association AP NEUROCON - 2018 at Kakinada, during 8-10 June 2018.
4. “Diagnostic approach to epilepsy & treatment of drug resistant epilepsy” at 46th Annual Conference of Andhra Pradesh Chapter of Association of Physicians of India 2018 (AP-APICON 2018) at PESIMSR, Kuppam during 7-9 September 2018.
5. “Role of Women in Science” at 4th Annual conference Andhra Pradesh Academy of Sciences, Amaravati (APSC 2018) at Yogi Vemana University, Kadapa on 9th November 2018.
6. “Approach to Sleep Disorders” at 10th Annual meeting of “Neurology Update Patna 2018” the joint annual conference of Indian Epilepsy Association (Bihar Chapter) and Neurology Dept, Indira Gandhi Institute of Medical Sciences at Patna on 18th November 2018.

7. “Mental Disability and Rehabilitation” at Two day National seminar on “Disability and Rehabilitation: Challenges and Strategies” organized by Department of Psychology at Yogi Vemana University, Kadapa during 27-28 December 2018.

National and state conferences attended

1. Third annual conference of Movement Disorders Society of India – MDSICON 2018 under the aegis of Parkinsons Research Alliance of India, Twin cities neuroclub and Parkinson Society at NIMS, Hyderabad during 19-21 January 2018.
2. 19th Joint Annual conference of Indian Epilepsy Association and Indian Epilepsy Society ECON - 2018 at NIMHANS, Bengalure during 2-4 February 2018.
3. TNSCON - 2018, 2nd Annual conference of Telangana Neuroscience Society held at Hyderabad on 4th March, 2018.
4. Indian Academy of Neurology Summer school for Post graduates in neurosciences at KIMS, Secunderabad during 5-6 May 2018.
5. 26th Annual Conference of Indian academy of Neurology IANCON 2018 at Raipur during 27-30 September 2018.

Dr T. Naveen, Dr. G. Pavan Kumar Reddy, Dr. D.V. Seshagiri, attended “MDSICON” at Hyderabad during 19-20 January 2018.

Dr D. Seshagiri, attended MDSICON and presented paper on Optokinetic Nystagmus Evaluation in Patients with Spinocerebellar Ataxia: a Novel and Better Clinical Marker to Assess the Progression of Oculomotor Abnormality at Hyderabad during 19-20 January 2018.

Dr S.V. Naveen Prasad, attended “IAN” Epilepsy school at SCTIMST, Trivandem during 2-5 August 2018.

Dr A. Appa Rao, Dr P. Yeshyanth, Dr B.L.N Reddy, attended “SHINE” PG teaching programe at Chennai during 7-10 March 2018.

Dr A. Appa Rao, Dr P. Yeshyanth, Dr B.L.N Reddy, attended “APNSA” PG teaching program at Guntur during 12-13 May 2018.

Dr A. Appa Rao, Dr P. Yeshyanth, Dr B.L.N Reddy, Dr P. Pranuthi, Dr R. Rakesh reddy, Dr Ch.S.Sai Neelima, attended “APNSA 2018” at Kakinada during 8-10 June 2018.

Dr P.Pranuthi, Dr R. Rakesh reddy, Dr Ch.S.Sai Neelima, attended “ECON” at Bangalore during 2-4 February 2018.

Dr R Rakesh, Pranuthi, Dr Neelima, attended “IAN Summer School” at Hyderabad during 5-6 May 2018.

Dr T. Kedar, Dr M. Manideep, Dr M.K. Ushachowdary, attended “IANCON” at Raipur during 25-28 September 2018.

Dr P.Pranuthi, Dr R. Rakesh Reddy, Dr Ch.S.Sai Neelima, attended “Electrophysiology” at Bangalore during 3-4 November 2018.

20.4 Presentations by postgraduate students

Postgraduate students pursuing DM (Neurology) presented the following papers at

National Epilepsy Conference at Bengaluru during 2-4 February 2018.

1. Rakesh reddy R. Anti Epileptic drug side effects Mono vs poly therapy.
2. Pranuthi Panyam P. Case report of neuronal Ceroid Lipofuscinosis.
3. Sai Neelima Ch. Lafora Body disease –A rare case of seizures.

AP Neurocon, 2018 at Kakinada, during 8-10 June 2018.

1. Sai Neelima Ch. Assessment of intracranial and extra cranial carotid vascular disease and outcome in patients of acute ischemic stroke: a prospective study.
2. Rakesh reddy R. Adverse effects of antiepileptics in patients with epilepsy: monotherapy versus polytherapy.
3. Pranuthi P. A study of prognostic significance of serum troponin i in patients with acute ischemic stroke - prospective study.
4. Narasimha Reddy B L. A study on cognitive impairment in Chronic dialysis patients.
5. Appa Rao A. Impact of thyroid autoantibodies on severity and functional outcome in patients with acute ischemic stroke”.

IANCON, at Raipur during 25th - 30th September 2018

1. **Usha Chowdary MK.** Three rare cases of Reversible Dentate hyper intensities.
2. **Kedar T.** A rare variant of demyelination: Baló's concentric sclerosis.
3. **Manideep M.** Pantothenate Kinase Associated Neurodegeneration (PKAN); a rare clinical entity.

20.5 Publications

1. M Nagarathnam, B Shalini, V Vijayalakshmi, B Vengamma, S A Latheef. Predictors of quality of life among adolescents with epilepsy in the state of Andhra Pradesh. *Neurol India* 2017;65:1019-24. (Impact Factor 1.085).
2. Nagarathnam M, Vengamma B, Shalini B, Latheef SA. Stigma and polytherapy: Predictors of quality of life in patients with epilepsy from South India. *Ann Indian Acad Neurol* 2017;20:233-41.
3. Kumar Reddy GR, Hulikal N, Lakshmi AY, Vengamma B. The Nerve & Vein preserving neck dissections for Oral cancers: A prospective evaluation of the Spinal accessory nerve function and Internal Jugular vein patency following treatment” *Acta Otorhinolaryngologica Italica* 2017;37:1-6.
4. Vaikkakara S, Raj MN, Sachan A, Mohan A, Vengamma B, Rao PS, et al. Impact of severity of illness on the function of the hypothalamo-pituitary-gonadal axis in postmenopausal women with acute severe illness: Implications for predicting disease outcome. *Indian J Endocr Metab* 2017;21:738-44.
5. Jasti DB, Mallipeddi S, Apparao A, Vengamma B, Sivakumar V, Kolli S. A clinical and electrophysiological study of peripheral neuropathies in predialysis chronic kidney disease patients and relation of severity of peripheral neuropathy with degree of renal failure. *J Neurosci Rural Pract* 2017;8:516-24.
6. Varadaraja J, Vengamma B, Mohan: A Usharani K. In-hospital medical and neurological complications and outcome in patients with acute stroke: a prospective study. *J.Cli.Sci.Res* 2017; 6 :144-52.
7. Jasti DB, Mallipeddi S, Apparao A, Vengamma B, Kolli S, Mohan A. Quality of sleep and sleep disorders in patients with parkinsonism: A

polysomnography based study from rural South India. J Neurosci Rural Pract 2018;9:92-9.

8. DushyanthBabu Jasti, Sarat Mallipeddi, Apparao Anumolu, Vengamma B, Sivakumar V, Satyara Kolli: A Clinical and Electrophysiological Study of Peripheral Neuropathies in Predialysis and Dialysis Patients: Our Experience from South India. JAPI 2018;60: 28-35.
9. Naveen Prasad S.V, Naveen T, Anil Kumar K, Vengamma B, Clinical profile of Guillian Barre Syndrome. International journal of neurology and neurosurgery 2018: 10:No:3 July – Sep.
10. Naveen Prasad S.V, Naveen T, Anil Kumar K, Vengamma B. Prospective study of nerve conduction studies in Guillian Barre Syndrome. International journal of neurology and neurosurgery 2018:10: No:3 July - Sep

20.6 CME conducted by the Department

CME programme was conducted by Department of Neurology, SVIMs on the topic “Multiple sclerosis”.

This included talks by 2 guest speakers

- Dr Balaji Patel, Researcher in pharmaceuticals from Mumbai spoke on the topic “updates of Multiple sclerosis criteria”.
- Dr A.K. Meena, Professor, NIMS Hyderabad, delivered lecture on “Treatment optimization - Multiple sclerosis”.
- Our own faculty, Dr. A. Appa Rao, Assistant Professor, Neurology, spoke on “Optic neuritis”.

20.7 CMEs/Seminars/Workshops attended

Dr B. Vengamma, attended the following

1. 9th Annual Clinical neurology workshop in “SHINE 2018–CME on Clinical Neurology” organized by Institute of Neurology, Madras at Chennai during 24-26 February 2018
2. Epilepsy Care tailored to Women at Zonal CME organised by Andhra pradesh Medical Council in

association with Indian Medical association, Nandyal Branch at Nandyal on 8th April 2018.

3. “Challenging case with Diagnostic Dilemma” - case presentation of demyelinating disorder at pre conference workshop in Conference of the Indian Academy of Neurology, ICTRIMS 2018, with the main theme of Autoimmune neurology – Demyelination and beyond at Kochi during 13-15 July 2018.

Dr S.V. Naveen Prasad, attended “Neuro- Critical Care Workshop 2018” at CARE Institute of Neurosciences during 2-4 November 2018.

20.8 Other academic activities

Dr B. Vengamma attended as MCI inspector at

1. Govt. Medical College, Kozhikode, Calicut, Kerala University of Health Sciences, Thrissur for the purpose of recognition of DM Neurology seats from 01 to 02 on 28th February 2018.
2. Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna for the purpose of starting of DM neurology course on 17th April 2018.

as External Examiner

1. As Chairman of Board of examiners for Conducting the DM Neurology External Examination of Practical and Viva at NIMS, Hyderabad.
2. DM Neurology examination at Amritha Institute of Medical Sciences, Kochi.
3. DM Neurology examination at Christian Medical Collage, Vellore.
4. DM Child and Adolescent Psychiatry examination at National Institute of Mental Health and Neurosciences, Bengaluru.
5. DM Neurology examination at NIMHANS, Karnataka.
6. DM Neurology examination at SRM university, Chennai.
7. DM Neurology examination at Madras Medical college, Chennai.

21.0 DEPARTMENT OF NEUROSURGERY

Professor & Head

Dr V.V. Ramesh Chandra

Senior Professor

Dr B.C.M. Prasad

Faculty

Dr V. Niranjana

Dr K. Venkat

Dr Srikanth Talluri

MCh PG Senior Residents

Dr Paradesi Rajesh

Dr Kunal Kumar

Dr Mohana Murali Krishna N

Dr Jagtap Rukmaji Prakash Rao

Dr B. Nitin Manohar

Dr Hanuma Naik Banavath

Dr Vivek Sharma

Dr T. Goutham Hanu

Dr G Sreeram

21.1 Awards, achievements and felicitations

1. **Dr B.C.M. Prasad**, Senior Professor elected as a president **APNSA** (Andhra Pradesh Neuroscientists Association) and appointed as **Member Specialists Board (National Board of Examinations)** in specialty of Neurosurgery.
2. **Dr D. M. Sasank**, Assistant Professor was **Won best poster prize** for presenting a paper on Correlation of Neuropsychological deficits with findings on MRI and Neuro PET in patients with mild traumatic brain injury at APNEUROCON 2018, Kakinada during 9-10 June 2018.
3. **Dr A. Sudarshan**, Assistant Professor was **Won best poster prize** for presenting a poster on Analysis of patients with dorsal OYL and Surgical outcomes – our institutional experience at TNSCON 2018, Hyderabad.
4. **Dr T. Srikanth**, was **won 1st prize** in Neuro Radiology quiz at APNEUROCON 2018, Kakinada during 9-10 June 2018.
5. **Dr Vivek Sharma**, was **won 3rd prize** in Neuro Radiology quiz at APNEUROCON 2018, Kakinada during 9-10 June 2018.

21.2 Fellowships received

Dr Ramesh Chandra VV, Professor & HoD Successfully cleared the practical exams of **FRCS** in February 2018 and was awarded **FRCS(Ed)** in July 2018

21.3 Orations delivered

Dr B.C.M. Prasad, Senior Professor, delivered 1st Dr Rajareddy Neurosurgery oration on Acoustic schwannoma at NIMS, Hyderabad on 5th March 2018.

21.4 Research work

Thesis submitted

1. Srikanth T. Comparative study of open TLIF vs minimally invasive interbody fusion for lumbar spondylolisthesis (MCh Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing thesis work

1. Rajesh P. Measurement of intraoperative intracranial pressure and cerebral perfusion pressure for predicting surgical outcome in severe traumatic brain injury (MCh Thesis).
2. Vivek Sharma. A prospective study on optimal timing of cranioplasty in cases of decompressive craniectomy (MCh Thesis).
3. Jagtap Rukmaji Prakash. Comparative study of open and minimally invasive lumbar fusion procedures for lumbar spondylolisthesis based on clinical outcome, muscle injury markers and imaging changes (MCh Thesis).
4. Goutam Hanu. Comparison between oblique lumbar interbody fusion (OLIF) and minimal invasive transforaminal lumbar interbody fusion

(MIS TLIF) for lumbar spondylo listhesis: A randomized controlled trial (MCh Thesis).

5. Kunal Kumar. Prospective study of complications in neurosurgery and their impact on the health related quality of life (MCh Thesis).
6. Nitin Barde. Study of clinical profile and outcomes in patients with supratentorial spontaneous intra cerebral hemorrhage (MCh Thesis).

21.5 Conferences attended & Lectures delivered

International

Dr Ramesh Chandra VV, was attended OLIF 25TM & OLIF 51TM Course Medtronic training programme at Fortworth Texas, USA on 6th November 2018.

National

Dr B.C.M Prasad, attended 2nd National conference on CVJ disorders and delivered lecture on “Clinical aspects of Craniovertebral junction anomalies” at NRI Medical College, Guntur on 13th October 2018.

Dr Ramesh Chandra VV, presented the following

1. OLIF Vs TLIF at Indo-Japan Neurosurgical meeting, KIMS, Hyderabad on 4th March 2018.
2. How I do it Video presentation on MCA aneurysm clipping at 2nd Telangana state conference of Neurosurgery at Hyderabad on 4th March 2018.
3. Deep Brain Stimulation for Parkinsons disease: surgical nuances at Neurosurgery at Vijayawada on 13th April 2018.
4. Deep Brain Stimulation at SVIMS beginner's perspective: DO's and DONT's Symposium and live workshop on DBS at Tirupati during 25-26 May 2018.
5. “Nellore neuro club talk: How I do it on OLIF APNEUROCON 2018” at 25th State conference of Andhra Pradesh Neuroscientists Association at Kakinada during 9-10 June 2018.
6. Classification of subaxial cervical spine fractures and treatment protocols at 1st annual SRMC-

DEPUY spine symposium and Hands on workshop at Chennai on 21st July 2018.

7. Oblique Lumbar Interbody Fusion (OLIF) at Annual CEMIBSS Comprehensive endoscopic minimally invasive brain and spine surgery at Chandigarh during 19-20 October 2018.
8. “Correlation of Neuropsychological deficits with findings on MRI and Neuro PET in patients with mild traumatic brain injury” at APNEUROCON 2018 at Kakinada during 9-10 June 2018.

Dr DM Sasank, presented a poster on “Prospective study on Intra operative application of Vancomycin powder instrumented lumbar spine fusion surgeries” at TNSCON 2018 at Hyderabad.

Dr A. Sudarshan, presented a poster on “Analysis of patients with dorsal OYL and surgical outcomes – our institutional experience” at TNSCON 2018, Hyderabad.

Dr T. Srikanth, presented paper on “A comparative study of open TLIF vs MISTLIF in spondylo listhesis” at APNEUROCON 2018 at Kakinada during 9-10 June 2018.

21.6 Presentations by Postgraduate students

Postgraduate students pursuing MCh (Neurosurgery) presented the following papers / posters at:

TNSCON 2018 at Hyderabad during 3-4 March 2018

1. Rajesh P. Presented a paper on Outcomes of endoscopic endonasal trans sphenoidal surgery for functional pituitary adenomas treated in a tertiary care hospital in south India and poster on Varied presentation of schwannoma – A case study series in a tertiary care hospital in south India.
2. Vivek Sharma. Effectiveness of Balloon Kyphoplasty – in terms of pain relief and quality of life, our institutional experience.
3. Jagtap Rukmaji. Anterior cervical disc arthroplasty (ACDA) versus anterior cervical discectomy and fusion (ACDF) a comparative study done at tertiary care hospital in south India.
4. Goutam Hanu. Vertebral column resection for the treatment of severe spinal deformity a single institutional study.

5. Retrospective study of 50 cases – Middle path regimen in the management of pott's spine.
6. Nitin Barde. Study of spontaneous ICH in tertiary care centre.

APNEUROCON 2018 at Kakinada during 9-10 June 2018.

1. Rajesh P. Presented a paper on Study of the prospective factors either by with or without temporary arterial occlusion during anterior communicating artery aneurysm repair our institutional experience and poster on Peculiarities of intra cranial archnoid cysts: our institutional experience.
2. Vivek Sharma. Presented a paper on Effectiveness of Balloon Kyphoplasty – in terms of pain relief and quality of life, our institutional experience and poster on Calvarial lesions - A Clinico radiological approach to diagnosis.
3. Jagtap Rukmaji. Presented a poster on Minimally invasive oblique lumbar interbody fusion for L3-L4, L4-L5 levels clinical out comes and perioperative complications and paper on “Anterior cervical disc arthroplasty (ACDA) versus anterior cervical discectomy and fusion (ACDF) a comparative study done at tertiary care hospital in south India.
4. Goutam Hanu. Presented a paper on Primary intra spinal primitive neuroectodermal tumor (PNET) : Report of nine cases and poster on Vertebral column resection for the treatment of severe spinal deformity a single institutional study.
5. Kunal Kumar. Presented poster on Retrospective study of 50 cases – Middle path regimen in the management of pott's spine and paper on Retrospective study of 40 cases of colloid cyst-clinical presentation, diagnosis, management and assessment as per the Colloid Cyst Severity Ccoring (CSSR).
6. Nitin barde. Study of spontaneous ICH in tertiary care centre

NSICON 2018 at Jaipur during 14-16 December 2018

1. Rajesh P. Presented a paper on Study of the prospective factors either by with or without

temporary arterial occlusion during anterior communicating artery aneurysm repair our institutional experience and poster on Varied presentation of schwannoma – A case study series in a tertiary care hospital in south India.

2. Vivek Sharma. Presented paper on Effect of Cranioplasty on cerebral perfusion and cerebral metabolism with respect to optimum timing of surgery and poster on Effectiveness of Balloon Kyphoplasty – in terms of pain relief and quality of life, our institutional experience.
3. Jagtap Rukmaji. Presented a paper on Anterior cervical disc arthroplasty (ACDA) versus anterior cervical discectomy and fusion (ACDF) and poster on “Remote site intracranial haemorrhage our 10 years experience at tertiary care centre.
4. Gouram Hanu. Presented paper on VCR for treatment of severe spinal deformity a single institutional study and poster on Primary intra spinal PNET : A report 9 cases.
5. Kunal Kumar. Presented poster on Retrospective study of 50 cases – Middle path regimen in the management of pott's spine and poster on Retrospective analysis of chronic SDH in 230 cases.

21.7 Publications

1. Chandra Vemula VR, Prasad BC, Jagadeesh MA, Vuttarkar J, Akula SK. Minimally invasive transforaminal lumbar interbody fusion using bone cement-augmented pedicle screws for lumbar spondylolisthesis in patients with osteoporosis. Case series and review of literature. Neurol India 2018;66(1):118-25.
2. Prasad BCM, Chandra VVR, Sudarsan A, Kumar PS, Sarma PVGK. Clinical characteristics and NF1 gene mutation analysis of three successive generations in three different Indian families with neurofibromatosis type 1 and peripheral nerve sheath tumours. J Clin Neurosci. 2018 Jul; 53:62-8.
3. Chandra VVR, Prasad BC, Rajesh P. Cervical ossified posterior longitudinal ligament: Etiology and surgical perspectives. Neurol India. 2018; 66(5):1400-3.

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Book Chapters

1. Dr BCM Prasad, Dr VV Ramesh Chandra wrote chapter on “Clinical aspects of cranio vertebral junction disorders anomalies” in Craniovertebral Junction Disorders.

21.8 CMEs/Seminars/Workshops/Orations conducted by the Dept.

1. The Cherukuri Narasimham and Subhadra Devi 6th annual oration was conducted by the Department of Neurosurgery, SVIMS, Tirupati. Dr K. Sathya Varaprasad, Professor & HOD of Neurosurgery, KGH, Visakhapatnam was the invited faculty on 8th March 2018.
2. National level CME programme conducted “Symposium and live work shop on Deep Brain Stimulation (DBS) for parkinson’s disease” during 25-26 May 2018.
3. National level CME programme “2nd SVIMS Neurosurgery CME (Skull Base Surgery and live cadaveric work shop)” on 1st October 2018.
4. 3rd Srinivasa Neurosurgery Endowment oration was conducted by the dept. of Neurosurgery, SVIMS, Tirupati on “Evolving trends in skull base surgery” by Dr S.K.Gupta, Professor & HoD, Dept. of Neurosurgery, PGIMER, Chandigarh was invited faculty on 1st October 2018.

21.9 CMEs/Seminars/Workshops attended

Dr B.C.M Prasad, attended and delivered a lecture on

1. Clinical evaluation of Cervical myelopathy in CME at SRMC, Chennai on 21st December 2018.
2. Brain and beyond at Agarthala in November 2018

Dr V. V. Ramesh Chandra, attended “Hands on Micro Neuro Vascular workshop” conducted by Johnson & Johnson at Ethicon institute, Chennai in November 2018.

Dr V. Niranjana, attended the following

1. 8th AIIMS annual advanced spine workshop on minimal invasive spine surgery at AIIMS, New Delhi during 5-6 May 2018.
2. Annual spine symposium and work shop at SRMC at Chennai on 21st July 2018.
3. 2nd Annual CME and work shop on SKULL BASE Surgery at SVIMS, Tirupati on 1st October 2018.

Dr DM Sasank., attended the Micro Neurosurgery workshop at AIIMS, New Delhi during 10-11 January 2018.

Dr A. Sudarshan, attended the following

1. Fellowship course on “Endoscopic skull and spine surgery” at Jabalpur in May 2018.
2. International Neuro update at Mumbai in June 2018.

Dr K. Venkat, attended the following

1. WFNS Anatomy Committee certified 3D Neuroanatomy workshop at the AIIMS, New Delhi during 5-6 April 2018.
2. 10th Annual conference of the Indian Society of Neuro oncology, ISNOCON 2018 at AIIMS New Delhi during 6-8 April 2018.
3. The first Annual Master Course, NEUROCON 2018 at Paras Hospital, Gurgaon, during 14-16 September 2018.

Dr T. Srikanth, attended “Micro Neuro Vascular workshop” conducted by Johnson & Johnson at Ethicon institute, Chennai during 29th June – 1st July 2018.

Dr P. Rajesh, Dr Vivek Sharma, attended Annual spine symposium and work shop at SRMC, Chennai on 21st July 2018.

Dr Vivek Sharma, attended NEUROCON 2018 at Paras hospitals in Gurgaon, Patna

Dr Jagtap Rukmaji, attended the NEUROCLINICS work shop at CVJ, Guntur.

22.0 DEPARTMENT OF NUCLEAR MEDICINE

Professor & Head

Dr T.C. Kalawat

Faculty

Dr Ranadheer Gupta Mantri

Dr Ramya Priya R

Dr V. Sai Krishna Mohan

Senior Residents

Dr R. Amrutha Lakshmi

Dr Shaik Mehabunnisa

MD PG Junior Residents

Dr LCN Durga Praveen
Dr S. Muneendra Kumar

Dr Singareddy Chandra Teja Reddy
Dr Jeepalem Sai Moulika
Dr K B Sricharan

Dr D.S. Hemalatha
Dr Nimmagadda Ajit
Dr K Sai Krishnaja
Dr T Medara Suma

22.1 Research Projects

Research Projects completed

1. **Principal Investigator :** Dr T.C. Kalawat, **Title:** Utility of F-18 FDG Brain PET-CT scan in evaluation of regional brain metabolism in patients with psychogenic non-epileptic seizures (PNES), **Funding Agency :** Sri Balaji Arogya Varaprasadini Scheme. (2016). Research Paper Manuscript is under preparation for Publication.

22.2 Research Work

Theses Submitted

1. Praveen LCND. Utility of 18 F-FDG PET/CT Scan in further management of locally advanced head and neck squamous cell carcinoma patients in post definitive chemo radiation setting (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Muneendra Kumar S. Role of dual point F-18 FDG PET/CT in the initial staging and management of locally advanced carcinoma cervix (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Chandra Teja Reddy S. Utility of ^{18}F -FDG PET/CT in management of pancreatic and periaampullary masses (MD Thesis).

2. Sai Moulika J. Role of $^{99\text{m}}\text{Tc}$ Sestamibi Scinti-Mammography in predicting response to neoadjuvant chemotherapy in treatment naïve, biopsy proven patients with locally advanced breast cancer (MD Thesis).
3. Sricharan KB. Role of ^{18}F FDG PET CT in characterizing solid renal mass lesions and treatment planning (MD Thesis).

22.3 Conferences attended, lectures delivered

Dr T.C. Kalawat, delivered a lecture in Annual Conference of Society of Nuclear Medicine, India (SNMICON) 2018 and CME, at PGIMER, Chandigarh, on “Fluoride Bone PET/CT: Does it have any incremental value over MDP Bone scan during 22-25 November 2018.

Dr Ranadheer Gupta Mantri, attended the following:

1. Participated in 2nd AROI AP chapter and delivered a guest lecture on the “PET-CT in Head and Neck malignancies” at Tirupati during 10-11 February 2018.
2. AIIMS-ANMPI 1st National Update on Diagnostic and Therapeutic Radio-pharmaceuticals in Nuclear Medicine. Participated as a Moderator of an Open house session on “How to develop manpower for production of new generation radiopharmaceuticals” at AIIMS, New Delhi during 9-11 April 2018.

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3. The Annual Conference of South India Society of Nuclear Medicine-2018, delivered a Guest lecture on “TENIS- Present scenario for detection and management” SNMI (SISNM) Conference at Visakhapatnam during 10-11 August 2018.
4. Delivered a guest lecture on Role of Nuclear Medicine in GIT in GUT club at Tirupati in September 2018.
5. Delivered a guest lecture on Role of Brain Perfusion scans in Neuroclub, at Tirupati in October 2018.
6. Delivered a guest lecture on the “Role of molecular imaging for clinicians” in 3rd Annual conference of IMA APICON-2018 at Tirupati during 10-11 November 2018.

22.4 Presentations by Post Graduate students

Post graduate students pursuing MD (Nuclear Medicine) presented the following papers/Posters at:

Society of Nuclear Medicine India (SISNM) Conference at Visakhapatnam during 10-11 August 2018.

1. Chandra Teja Reddy S. Incremental value of post High dose therapy ¹³¹I scan over pre therapy diagnostic ¹³¹I Scan in detection of radio-iodine avid foci in patients with differentiated thyroid carcinoma” and K.B. Sricharan, presented Paper on “Utility of 18F FDGPET/CT in diagnostic workup and response evaluation in a case of Neuro sarcoidosis.

Association of Nuclear Medicine Physicians of India (ANMPI) at Aster Medcity, Kerala during 21-23 September 2018

1. Sai Moulika J. Metachronous 2nd primary Malignancies in known Breast cancer patients on 18 F-FDG in a Tertiary Care Centre in South India.

50th SNMICON-Society of Nuclear Medicine India Annual Conference at PGIMER, Chandigarh during 22-25 November 2018.

1. Praveen LCND. Visualization of pulmonary hemorrhage in patients of Anti GBM syndrome using 99m-Tc RBC Scintigraphy, single institute experience.

2. Sai Moulika J. Extraosseous diffuse intense muscular uptake on 99m-Tc MDP bone scan and 18 F-FDG PET-CT in a case of inflammatory myopathy.
3. Sricharan KB. Utility of 18F FDG PET/CT in the diagnostic workup and response evaluation in a case of Neuro sarcoidosis.

22.5 Publications

Case Series

1. Rayudu AL, Kalawat T, Mohan VS, Mohan A, Lakshmi AY, Manthri RG. 18F Fluorodeoxyglucose Positron Emission Tomography - Computed Tomography in Evaluation of Large Vessel Vasculitis. Indian J Nucl Med 2018;33(1):48-51.

Case Reports

1. Kumar S M, Priya R, Kalawat T C, Kadiyala S, Manthri RG, Rukmangadha N, Kumar S. Role of 18F-fluorodeoxyglucose positron emission tomography/computed tomography in detecting posttransplant lymphoproliferative disorder. Indian J Transplant 2018;12:224-6.
2. Lolla DP, Krishna Mohan V S, Manthri R, Kalawat T, Lakshmi AY, Kumar V S. Prostatic abscess as a cause of pyrexia of unknown origin in posttransplant recipient detected on F18 Fluorodeoxyglucose positron emission tomography/computed tomography. Indian J Transplant 2018;12(2):152-5.
3. Moulika J S, Reddy S A, Krishna Mohan V S, Manthri R, Kalawat T C. Hyperphysiological F-18 fludeoxyglucose uptake of masticator muscles in a case of awake bruxism. Indian J Nucl Med 2018;33:342-4.

22.6 CMEs conducted by the dept.

1. A CME was jointly organized by Dept. of Nuclear Medicine/ Dept. of Radiology and Dept. of Physiology, SVIMS on “Update on Prostate Cancer - From physiology to palliation” at SVIMS, Tirupati on 8th December 2018.

22.7 CMEs/Seminars/Workshops attended

Dr T.C. Kalawat, attended the following

1. Three day Training Programme on BCL & ACLS conducted by the American Heart Association at SVIMS, SPMC (W), Tirupati during 16-18 February 2018.
2. NABH one day work shop CAHON-2018 on “Quality Manual, Documentation and Quality controls” at Chennai during 7-8 April 2018.
3. Workshop on Implementation of NABH Standards/ SHCO Standards - scheduled at Jaipur during 14–16 November 2018.

Dr K. Sai Krishnaja, participated in 2nd Radiologic Anatomy & Physiology Course, organized by Indian Radiological and Imaging Association, Telangana State Chapter, at KIMS Hospital, Secunderabad during 14-17 December 2018.

22.8 Other academic activities

1. Dr M. Ranadheer Gupta, Member of Board of Examiners for BSc (AMS), Nuclear Medicine Technology (NMT) Practical Examinations of JIPMER, Pondicherry in 2018.
2. Dr R. Amrutha Lakshmi and Dr Shaik Mehabunnisa, appeared for the R.S.O Examination and qualified as R.S.O, conducted by the B.A.R.C./ A.E.R.B, Mumbai, Govt. of India in November 2018.

23.0 DEPARTMENT OF OBSTETRICS & GYNECOLOGY

Associate Professor & Head

Dr J.Malathi

Faculty

Dr Meenakshi Jain
Dr M. Usha Brindini

Dr Sumavarsha

Dr C. Manju Yadav

Senior Residents

Dr U. Srujana
Dr K.Himaja

Junior Residents

Dr V.Meghana
Dr. Maheswari
Dr. K.C. Hima Bindu

Dr P.Rehana
Dr. Vijaykrishna
Dr. U. Divya Sree

23.1 Conferences attended, lectures delivered

Dr Sumavarsha, attended FERTY-GNAN 2018 and delivered lecture on Setting up of an IVF lab on 28th October 2018 at Hyderabad.

Dr C.Manju Yadav, attended Oyasis infertility conference on 8th April 2018 at Vijayawada.

23.2 Publications

1. Varsha S, Kandluri V, Brindhini U, Esanakula J. A comparative study between spontaneous placental delivery & manual removal of placenta during caesarean section. J Evid Based Med Healthc 2018;5(10):898-903.
2. Esanakula J, Kandluri V, Vasha S, Usha Brindhini. PCOS, Analysis of symptoms & Management in a tertiary hospital. J. Evid. Based Med. Health care 2018;5(21):1601-6.

3. Usha Brindhini Mathialagan, Vanaja Kandluri, Varsha Suma, Sanakula Jahnavi, Tapala Pallavi, Thunga Veronica. Efficacy of Oxytocin & misoprostal versus Oxytocin infusion in the prevention of post partum haemorrhage after caesarean section. Int J Med Healthy Sci 2018;7(3).

23.3 CME / Workshops attended

1. **Dr J.Malathi**, attended NDVH training at Aurangabad during 8-10 September 2018.
2. **Dr Sumavarsha**, attended Hysteroscopy skill building course at Hyderabad during 19-20 June 2018.
3. **Dr C.Manju Yadav**, attended Kogs Society CME at Kadapa on 4th March 2018.

23.4 Other academic activities

Interesting case discussions: Twice a week

24.0 DEPARTMENT OF OPHTHALMOLOGY

Professor & Head

Dr V. Krishna Murthy

Faculty

Dr P. Prabhanjan Kumar

Senior Resident

Dr Keerthi

Junior Resident

Dr Venu Gopal Reddy

Tutor

Dr Radha Krishna Murthy

24.1 Conference attended

Dr P. Prabhanjan Kumar, attended the following

4. AIOC-2018 76th Annual Conference of All India Ophthalmological Society at Codissia Trade Fair Complex, Coimbatore during 22-25 February 2018.
5. RAYEYECON-2018 4th Annual Conference of Andhra Pradesh Ophthalmological Society held at

Santhi Ram Medical College, Nandyala during 5-7 October 2018.

24.2 CMEs/Seminars/Workshops attended

1. **Dr P. Prabhanjan Kumar, Dr B. Keerthi**, attended “National level Cataract and Glaucoma symposium” conducted by AIOC ARC 2018 at Tirupathi on 23rd December 2018

25.0 DEPARTMENT OF OTO-RHINO-LARYNGOLOGY

Professor & Head

Dr V. Venkateswarlu

Faculty

Dr S.B. Amarnath

Dr M. Lakshmi Prathima

Senior Residents

Dr P. Bhanu Pradeep

Junior Resident

Dr P. Anupama

25.1 Conference attended

1. Dr V. Venkateswarlu, Dr S.B. Amarnath, attended “AP State conference” at Srikakulam during 7-9 September 2018.

25.3 CMEs/Seminars/Workshops attended

Dr S.B. Amarnath, attended workshop on Live surgical on FESS optimising the surgical outcome conducted by MAA ENT Hospital, Hyderabad during 2-5 June 2018.

25.4 Other academic activities

Dr S.B. Amarnath, attended the following

1. Final M.B.B.S part-I ENT student at S.V. Medical College, Tirupati during 10-11 January 2018 as External Examiner.
2. Final M.B.B.S part-I ENT student at MVJ College, Bangalore during 24-27 February 2018 as External Examiner.
3. Final M.B.B.S part-I ENT student at S.V. Medical College, Nellore during 19-24 March 2018 as External Examiner

26.0 DEPARTMENT OF PAEDIATRICS

Professor & Head

Dr Pala Padmavathi

Faculty

Dr Punith Patak Nagaram
Dr B Ravichandra

Dr P.Sudha Priya
Dr Rinu Dwivedi

Junior Resident

Dr RamKrishna
Dr. G. Anitha
Dr. K. Kamala
Dr. G. Krishna Kanth

Dr Aurna Jyothi
Dr. Lokesh
Dr. J. Sunitha Nirmala Kumari

26.1 Research Projects

Ongoing Research

1. **Principal Investigator:** Dr P.Sudha Priya, **Title:** Anthropometric Measurements – A study on options for identification of small babies in need of extra care.
2. **Principal Investigator:** Dr Rinu Dwivedi, **Title:** A clinical study of seizures in children aged 3+2 years”.

26.2 Conference Attended

2. Dr Amrutha Lakshmi, attended Utility of 18F FDG brain PET-CT scan in evaluation of regional brain metabolism in patient suffering with psychogenic non-Epileptic seizures.
3. Dr P.Padmavathi attended conference “Recent advance in Paediatrics Nursing” at Tirupati on 17th November 2018.

26.3 Seminars/ Workshops by the dept.

1. Dr Mahadevan, attended workshop conducted Training of teachers “Ventilator Management” for Paediatrics Doctors and Nursing staff during 17-18 September 2018.

2. Dr Sneha Vasrriki, attended seminar conducted “Cystic Fubrosis, Prevalence in India, Diagnosis, Management” at CMC, Vellore on 24th September 2018.

26.4 CMEs / Workshop attended

Dr N.Punith Patak, attended the Zonal CME conducted by Andhra Pradesh Medical council and IMA, Nellore branch on 22nd April 2018.

Dr Rinu Dwivedi, attended the following

1. CME on Hematopoietic stem cell transplantation by IAP at Tirupati on 6th May 2018.
2. CME on Approach to chronic abdominal pain in children by IAP at Tirupati on 4th November 2018.
3. CME on Approach to Antenatal hydronephrosis by IAP at Tirupati on 4th December 2018.

26.5 Other academic activities:

Dr N.Punith Patak attended as External Examiner for Final M.B.B.S part-I Paediatrics student at

- Santhiram Medical College, Nandhyala during 14-19 February 2018.
- Govt.Stanley Medical College, Chennai during 16-17 August 2018.

27.0 DEPARTMENT OF PATHOLOGY

Professor & Head

Dr Aruna Kumari Prayaga

Faculty

Dr B.V. Phaneendra
Dr Amit Kumar Chowhan
Dr N.Rukmangada

Dr Sivakumar Vulava
Dr B. Deepthi

Dr M. Alekhya
Dr A. Sreelekha

Senior Residents

Dr G.Sai Chandana
Dr Badiginchala Suguna

Dr Vishnu Priya .B
Dr P.Divyasai

Tutors

Dr Pabpu Architha
Dr Udayagiri Divya Sree

Dr Burada Soumia
Dr Krishna Chaithanya E

Dr G Swyritha
Dr Varaprasad K.G.

27.1 Awards, achievements and felicitations

1. **Dr N.Rukmangadha**, Associate Professor was received **Dr Subhashini & Dr Kamalakara Reddy Endowment award** for the Case Report. Ravi Krishna M, Das P, N.Rukmangadha, Jeena.A, Subramanian.B.V, Malignant Acrospiroma of chest wall. J Clin Sci Res 2017;6:187-9.

27.2 Research Projects

Ongoing Research projects

3. **Principal Investigator:** Dr Amit Kumar Chowhan. **Title:** Usefulness of Dual-staining with α -Methylacyl CoA racemase (AMACR/P504S) & p63 Cocktail for the Detection of Prostate Carcinoma. **Funding Agency:** SBAVP, SVIMS.
4. **Principal Investigator:** Dr Amit Kumar Chowhan. **Title:** Profile of primary paediatric brain and spinal cord lesions from a tertiary care hospital in South India.
5. **Principal Investigator:** Dr N.Rukmangadha. **Title:** Study of primary extra-nodal using Immunohistochemistry- A Retrospective study.

27.3 Research work

Theses Submitted

1. Architha P. Study of Immunohistochemical profile of Nodal Non Hodgkin Lymphoma in a tertiary care centre (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Divya Sree U. Differential expression of CK7,CK20,CDX2 in intestinal and pancreatobiliary type of periampullary carcinoma (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Soumia B. Study of KRAS,MLH1, MSH2 and MSH6 mutations in colorectal adenocarcinoma using immunohistochemistry (MD Thesis).
2. Krishna Chaithanya E. Molecular characterization of malignant epithelial ovarian tumours with the help of IHC markers KRAS, BRAF,PTEN, PIK3CA & P53 (MD Thesis).

27.4 Thesis work done in collaboration with other departments as Co-guide.

Thesis submitted

Dr Amit Kumar Chowhan, was **Co-guide** for the following theses of

4. Chaitanya EK. Molecular characterization of malignant epithelial ovarian tumors with the help

of IHC markers KRAS, BRAF, PTEN, PIK3CA & P53 (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Science; 2018.

5. Pettikota Masthan Basha. A prospective study of comparison between three dimensional conformal radiotherapy (3D CRT) and intensity modulated radiotherapy (IMRT) in locally advanced head and neck cancers (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Science; 2018.
6. Praveen LCND. Utility of 18-F FDG PET/CT Scan in further management of locally advanced head and neck squamous cell carcinoma patients in post definitive chemoradiation setting (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Science; 2018.

Dr N.Rukmangadha, was **Co-guide** for the following theses of

1. Demographic characteristics, clinical presentation, Risk factors & Pathological type of lung cancer (MCh Thesis), Tirupati: Sri Venkateswara Institute of Medical Science; 2018.
2. Role of Dual point 18-F FDG PET/CT Scan in the initial staging & management of locally advanced carcinoma of cervix (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Science; 2018.

27.5 Conference attended, lectures delivered

Dr Aruna K Prayaga, attended the following

1. CYTOCON 2018 conference at Goa, during 1-4 November 2018.
2. Delivered a lecture on Rapidly programme glomerulo nephritis – A case based approach to diagnosis on 21st November 2018.

Dr N.Rukmangadha, attended the following

International

1. “Update in Diagnostic pathology: Morphology” immunohistochemistry & Ancillary techniques at SRMC &RI, Porur, Chennai.

National

1. 26th national conference of Association of Medical Biochemists of India and Delivered a lecture in a

Symposia titled “Inborn errors of Metabolism” on “An approach to hypoglycemia in the new born” at New Delhi during 17-19 November 2018.

Dr B.Deepthi, attended the following

1. Spotter case presentation- Myelodysplastic syndrome on 8th March 2018.
2. Speaker for the motion debate presentation Motion- Welcome Liquid Biopsy “ on 27th September 2018.

Dr P.Architha, Dr U.Divya Sree, Dr E.Krishna Chaithanya, Dr B.Soumia, Dr G.Swyritha, Dr Varaprasad K.G, attended IAPM state conference at Maharajah’s Institute of Medical Sciences (MIMS), Nellimarla during 8-9 September 2018.

27.6 Presentation by Postgraduate students

Postgraduate students pursuing (MD) Pathology presented the following papers / posters at:

IAPM state conference at Vizayanagaram during 8-9 September 2018.

1. Architha P. Immunohistochemistry Analysis of nodal Non-Hodgkin’s lymphomas in tertiary care centre.
2. Krishna Chaithanya E. Bladder paragangliomas – Case series.
3. Swyritha G. Diffuse large cell lymphoma- Salivary gland as primary manifestation – Poster presentation.
4. Sai Chandana G. Hepatic mucormycosis in renal transplant recipient – A rare presentation – International conference on “Update in Diagnostic pathology: Morphology” immunohistochemistry & Ancillary techniques held at SRMC &RI, Porur, Chennai.

27.7 Publications

Original articles

1. Rajasekhar S, Rukmangadha N, Amit Kumar C, Phaneendra B.V, Mutheeswaraiyah Y, Narendra H, Alok S. Value of Cytokeratin- 19, Hecton Battifora Mesothelial-1 & Galectin-3, Immunostaining in the diagnosis of thyroid neoplasm. J Lab physicians 2018; 10:200-7.

2. Vishnu Priya B, Rukmangadha N, Manilal B, Mutheeswaraiyah Y, Amit Kumar C, Aruna Kumar P. Comparative study of Robihnnson's & Mouriquand's Cytological Grading System and Correlative with histological Grading in Breast Carcinoma. Journal of clinical and Diagnostic research. 2018; 12(6):EC04-EC08.
3. Alekhya M, Rukmangadha N, Lakshmi A.Y, Manickavasagam M. Role of immunohistochemistry in the subtyping of Non Small Cell Lung Carcinoma on true cut lung biopsies. Annals of pathology and laboratory medicine. 2018; 5(5):A447-55.
4. Sriharsha Haranadh, Rukmangadha N, Vijayalakshmi Devi B, Narendra H. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral Squamous Cell Carcinoma. Oral Oncology 2018; 83:115-9.
5. Rashmi P, Rukmangadha N, Architha P, Sivanath Reddy G, Lakshmi A.Y, Kannan T, Amitabh J. Metastasizing uterine mullerian adenosarcoma in young female: Diagnostic enigma. Indian J Pathol Microbiol 2018; 61(3): 440-2.
6. Vishnu Priya Bukya, Rukmangadha Nandyala, Manilal Banoth, Mutheeswaraiyah Yootla, **Amit Kumar Chowhan**, Aruna K Prayaga. Comparative Study of Robinson's and Mouriquand's Cytological Grading Systems and Correlation with Histological Grading in Breast Carcinoma. J Clin Diagnostic Res 2018;12:4-8.
7. Rajasekhar Sanuvada, Rukmangadha Nandyala, **Amit Kumar Chowhan**, Phaneendra Bobbidi, Mutheeswaraiyah Yootla, Narendra Hulikal, Alok Sachan. Value of cytokeratin19, Hector Battifora mesothelial1 and galectin3 immunostaining in the diagnosis of thyroid neoplasms. Journal of Laboratory Physicians 2018;10:200-7.
8. Patnayak R, Jena A, Bhargavi D, **Chowhan AK**. Androgen receptor expression in triple negative breast cancer – Study from a tertiary health care centre in South India. Indian J Med Paediatr Oncol 2018;39:28-31.
9. **Deepthi B**, Uppin SG, Challa S, Uppin MS, Paul TR2, Prayaga AK1 Clinicopathological and

Immunohistochemical Study OfSynovial Sarcomas – A series of 42 cases from single institution. Saudi J Pathol Microbiol 2018;3(7):201-10.

27.8 CMEs/Orations conducted by the Dept.

1. Balaji Gold Medal Chair Oration in Pathology “Accreditation in Histopathology- A journey to self Audit & Quality” on 11th June 2018.
2. Joint CME with Dept of Forensic medicine Virtual Autopsy on 6th January 2018.

27.9 CMEs attended

Dr Amit Kumar Chowhan, attended the NABH Interactive workshop on ‘Continual Quality Improvement-Tools & Technique’ at Vishakhapatnam on 26th August 2018

27.10 Other academic activities

Dr Aruna K Prayaga, attended as External Examiner for

1. Ph.D viva, PGIMER, on 7th September 2018.
2. DNB Exam at Guntur Medical College, during 15-16 Sept’ 2018.
3. MD Exam, at JIPMER, Pudduchery during 7-9 December 2018.

Dr Amit Kumar Chowhan, attended as

1. Became Life member of Indian Society of Neuro-Oncology: Membership No. ISNO-316.
2. **Reviewer for Journals:** Articles Reviewed for Journals: Total: 9 articles.
PubMed Indexed International Journals - Cytojournal: 1 article
PubMed Indexed National Journals - Journal of Cytology (JOC): 7 articles & Indian Journal of Medical Research(IJMR): 1 article.
3. External Examiner for MBBS University Exam at Maharaja Institute of Medical Sciences, Vizianagaram in February 2018.

Dr N.Rukmangadha, attended as External Examiner for

1. 2nd MBBS exam at JIPMER, Pondicherry.
2. MBBS university exams at Ashram Medical College, Eluru
3. II MBBS examination at Sri Venkateswara Medical College, Tirupati

28.0 DEPARTMENT OF PHARMACOLOGY

Professor & Head

Dr K. Umamaheswara Rao

Faculty

Dr K.R. Subash
Dr K. Vijaya Chandra Reddy

Dr G. Bhanu Prakash
Dr C. Pallavi

Tutors

Mr.K. Manjunath
Dr. M. Bharathi
Dr. S. Mounica

Pharmacovigilance Associate

Dr P.S.S. Durga Devi

28.1 Awards, achievements and felicitations

Dr Umamaheswara Rao, was received “**Bharat Ratna Dr Abdul Kalam Gold Medal Award**” for Individual Achievement and National Development at Chennai from Global Economic Progress & Research Association, New Delhi on 28th July 2018.

28.2 Research Projects

Research projects completed

Principal Investigator: Dr K.R.Subash

1. Computational analysis and *insilico* drug optimization of non selective beta blockers on beta-3 adrenergic receptors. **Funding Agency:** ICMR-STS Project
2. In *silico* molecular properties prediction of compounds from *carica papaya* leaf extract.

Ongoing Research Projects

1. **Co-Investigator:** Dr K. Umamaheswara Rao. **Title:** Incidence of Adverse drug reactions in tertiary care hospital assessed by using causality, severity and preventability scales.
2. **Co-Investigator:** Dr K.R.Subash. **Title:** In vitro Antimicrobial activity, toxicity and ADME profiling of Methylglyoxal and dihydroxyacetone.+
 - Safety and use of anticoagulants after cardiac valve replacements
 - Assessment of adverse drug reactions to anticancer

drugs in a tertiary care hospital in South India.

4. **Co-Investigator:** Dr G. Bhanu Prakash. **Title:** Drug utilization study in a tertiary care hospital.
5. **Co-Investigator:** Dr C. Pallavi. **Title:** An open label study to evaluate the safety and efficacy of Arborium plus, an oral herbal liquid formulation in patient with Diabetic foot.

28.3 Conferences attended, lectures delivered

Dr K. Umamaheswara Rao, attended SVU-UGC-HRDC as part of Human Resource development programme and delivered a guest lecture on “Drug utilization & its significance in community” in ‘Refresher Course in Health Management’ at S.V. University, Tirupati on 23rd November 2018.

Dr K.R.Subash, attended the National Conference on “Global acceptance of Siddha System of Medicine: Scope and Challenges” and presented paper on “In silico molecular properties prediction of compounds from carica papaya leaf extract at Chennai during 28-29 September 2018.

Dr K. Umamaheswara Rao, Dr K.R.Subash, Dr K. Vijaya Chandra Reddy, Dr G. Bhanu Prakash, Dr C.Pallavi, attended the National conference at SHCP and SPMC(W), Tirupati during 16-17 August 2018.

- Current Perspectives in clinical Pharmacy and Pharmacotherapeutics
- Delivered guest lecture on Role of Clinical Pharmacist in Patient Safety at Tertiary Care level.

Dr G. Bhanu Prakash, attended the following

1. 3rd Annual Conference of Indian Medical Association (IMA) at Tirupati during 10-11 November 2018.
2. SVU-UGC-HRDC as part of Human Resource development programme and delivered a guest lecture on “Risks & Benefits of Prescribed Medicine” in ‘Refresher Course in Health Management’ at S.V. University, Tirupati on 23rd November 2018.
7. AravindPatil, Vijaya Chandra Reddy Konda. Dose-dependent analgesic activity of mexiletine on thermally induced pain in rats. *Int J Basic Clin Pharmacol* 2019;8:90-4.
8. Dinakar K, Kiran Kumar K, Khadir, Bhanu Prakash G. Correlation of Haematological Toxicity with Bone Marrow Radiation Dose and Volume during Concurrent Chemoradiation in Patients with Cervical Cancer. *IOSR-JDMS*. May 2018; 17(5) 34-38

28.3 Publications

1. Vijaya Chandra Reddy Konda, Sree Surya Durga Devi Pilla, A. Surekha, K. R. Subash, K. Umamaheswara Rao. Analysis of spontaneously reported cutaneous adverse drug reactions in a tertiary care teaching hospital in South India. *Int J Basic Clin Pharmacol* 2019;8:27-33.
2. Subash KR, Amineni Umamaheshwari, Vijaya Chandra Reddy Konda, Bhanu Prakash G. Analgesic activity of *Alpiniagalanga* extract in mice models and TNF-alpha receptor computational docking analysis on its leads with pharmacokinetics prediction. *Int J Basic Clin Pharmacol* 2018;7(3):446-8.
3. Francis Britto G, Subash KR. Student's perspective about pharmacogenomic applications and knowledge in pharmacovigilance domain. *Int J Basic Clin Pharmacol*. 2018 Jan;7(1):52-54.
4. K. R. Subash, Amineni Umamaheshwari, Vijaya Chandra Reddy Konda, Bhanu Prakash G. Analgesic activity of *Alpiniagalanga* extract in mice models and TNF-alpha receptor computational docking analysis on its leads with pharmacokinetics prediction. *Int J Basic Clin Pharmacol* 2018;7(3):446-8.
5. Francis Britto G, Subash KR. Student's perspective about pharmacogenomic applications and knowledge in pharmacovigilance domain. *Int J Basic Clin Pharmacol* 2018 Jan;7(1):52-54.
6. Vijaya Chandra Reddy Konda, Sree Surya Durga Devi Pilla, A. Surekha, K. R. Subash, K. Umamaheswara Rao. Analysis of spontaneously reported cutaneous adverse drug reactions in a tertiary care teaching hospital in South India. *Int J Basic Clin Pharmacol* 2019;8:27-33.

Book Chapters

1. Vijaya Chandra Reddy K. Co-author of Chapter ‘**Global Antibiotic Resistance**’ in the book ‘Laws of Consumer Rights – From Cheating to Ethical Markets’ published in 2018; Chapter 6, Page No: 68-72

28.4 CMEs/Seminars/ Workshops conducted by the dept.

1. A CME on “Disorders of water homeostasis” was organized by Pharmacology in association with the dept. of Biochemistry & Endocrinology, SVIMS on 3rd March 2018.
2. National Conference on “Current Prospective in Clinical Pharmacy and Pharmacotherapeutics” during 16-17 August 2018.
3. Workshop for Pharm -D students on “Pharmacovigilance and Reporting of Adverse drug Reactions” was conducted on 29th December 2018.

28.5 CMEs/Seminars/Workshops attended

Dr K.R. Subash, Dr K. Vijaya Chandra Reddy, Dr G. Bhanu Prakash, attended the Workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ and gave hands on training on ADR reporting conducted by Adverse Drug Reaction Monitoring Centre and Department of Pharmacology on 29th December 2018.

Dr K. Vijaya Chandra Reddy, attended the following

1. Attended a Workshop on “Disorders of Water Homeostasis” organized by the dept. of Biochemistry, Pharmacology & Endocrinology, SVIMS on 3rd March, 2018

Annual Report 2018

2. 7th National Seminar on Bioinformatics (Sponsored by DBT, Govt. of India), organized by SVIMS Bioinformatics Centre from 14th to 15th March 2018.
3. National Workshop on Basics of Cell Culture Techniques, organized by Department of Biotechnology, SVIMS during 20th to 28th April 2018.

Dr G. Bhanu Prakash, Dr C. Pallavi, attended CME and Delivered a guest lecture on “Diuretics & Diuretic induced Hyponatremia” and “Disorders of water homeostasis” organized by the dept. of Biochemistry, Pharmacology & Endocrinology, SVIMS on 3rd March, 2018

Dr G. Bhanu Prakash, attended the following

1. Revised Basic course Workshop conducted by Medical Education Department, CMC Vellore during 24-26 July 2018.
2. One Day Sensitization Programme on AETCOM Module conducted by Medical Education Department, CMC Vellore on 27th July 2018.

Dr C. Pallavi, attended the following

1. “National Workshop on Clinical Pharmacodynamics” - 4 credit points by AP Medical council during 30th November - 1st December 2018.
2. Workshop on “Pharmacovigilance and Reporting of Adverse Drug Reactions” & delivered a lecture on “Medication Errors & Patient Safety” and gave hands on training on ADR Reporting conducted by Adverse Drug Reaction Monitoring Centre and Department of Pharmacology on 29th December 2018.

28.6 Other academic activities

Dr K. Umamaheswara Rao, attended the following

1. Co-convenor for the National Conference on “Current Perspectives in Clinical Pharmacy and Pharmacotherapeutics” organized by SVIMS-SPMC(W) and Seven Hills College of Pharmacy and chaired a scientific session during 16-17 August 2018.
2. Organizing Chairman of the workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ conducted by Adverse Drug Reaction

Monitoring Centre and Department of Pharmacology on 29th December 2018.

Dr K.R. Subash, attended the following

1. External Examiner M.B.B.S U.G Examination in West Bengal University during 8-12 January 2018, 3-4 March 2018 in Dr NTR University-A.P, TN-MGR university during 5-9 March and Sri Ramachandra University during 17-18 December 2018.
2. Member Secretary IAEC [SVIMS-SPMC(W)] successfully acquired registration and recognition by CPCSEA-ministry of forest and environment for 5 years and conducted the first Institutional Animal Ethics committee Meeting for the year 2018
3. Judged the Oral Presentation session in National Conference on Current Perspectives in Clinical Pharmacy and Pharmacotherapeutics” organized by SVIMS-SPMC(W) and Seven Hills College of Pharmacy and Chaired a scientific session during 16-17 August 2018.

Dr K. Vijaya Chandra Reddy, attended the following

1. Enrolled for Ph.D program in department of Cardiology under the guidance of Dr V.Vanajakshamma Professor of Cardiology, SVIMS and the proposed topic is “Effect of Heartfulness Meditation Practices in Patients with Coronary Heart Disease”.
2. Judged the Oral Presentation session in National Conference on Current Perspectives in Clinical Pharmacy and Pharmacotherapeutics” organized by SVIMS-SPMC (W) and Seven Hills College of Pharmacy and chaired a scientific session during 16-17 August 2018.
3. Organizing secretary of the workshop on ‘Pharmacovigilance and Reporting of Adverse Drug Reactions’ conducted by Adverse Drug Reaction Monitoring Centre and Department of Pharmacology on 29th December 2018.
4. External Examiner for conduct of Pharmacology practical examinations for BDS and MBBS courses of Dr NTR University of Health Sciences, Andhra

Pradesh; and for MBBS course of Annamalai University, Tamil Nadu.

Dr G. Bhanu Prakash, attended the following

1. Done Prescription audit of both out-patients & in-patients on Tuesdays every month in 2018 for improving Prescription practices in SVIMS.
2. Judged the Poster Presentation session in National Conference on “Current Perspectives in Clinical Pharmacy and Pharmacotherapeutics” organized by SVIMS-SPMC(W) and Seven Hills College of Pharmacy during 16-17 August 2018.

Pharm - D training programme

Department of Pharmacology trains Pharm D students of three pharmacy colleges. As per their curriculum Pharmacology faculty review the performance of PharmD studentsevery week and encourages them in reporting ADRs, medication errors and in patient counselling so as to improve patient safety. In association with clinical departments, Department of Pharmacology assigns and guides in completing PharmDprojects of following colleges students

- i) SreeVidyanikethan College of Pharmacy
- ii) Seven Hills College of Pharmacy
- iii) Krishna Teja Pharmacy College

29.0 DEPARTMENT OF PHYSIOLOGY

Professor & Head

Dr Sharan B Singh M

Faculty

Dr N.Sharvani
Dr Arpana Bhide

Dr G. Sunil Naik
Mr K. Munisekhar

Mrs.K.Swathi

Tutor

Mrs.K.Pujitha
Dr. P. Mohana Priya

Mrs.M.Hari Priya

29.1 Awards, achievements and felicitations

Dr Arpana Bhide, Assistant Professor was received **Special appreciation certificate** for outstanding performance from Director cum VC, SVIMS on occasion of Republic Day celebrations -2018

29.2 Research Projects

Research projects completed

Principal Investigator: Dr Arpana Bhide

1. A comparative study of two small group teaching methods i.e. tutorials and seminar as a supplement to lecture classes for 1st year MBBS students.
2. Assessment of phagocytic index of polymorphonuclear leucocytes in hospitalized stages 4 and 5 chronic kidney disease patients.

29.3 Research work

Ongoing Thesis work

1. Munisekhar K. Effects of (Cow) Ghee on Lipid Peroxidation and Lipid Profile changes in healthy human volunteers before and after consuming (PhD Thesis).
2. Pujitha K. The Effect of Heartfulness meditation on Biomarkers of stress in young healthy female students (PhD Thesis).
3. Haripriya M. Effect on Heartfulness meditation practitioners on oxidative stress markers in Patients with coronary artery diseases (PhD Thesis).

4. Alla Bakash S. A study of Arterial stiffness in nonhypertensive type 2 diabetes patients (PhD Thesis).
5. Annaiah E. A Study of Pulmonary hypertension in patients of end stage renal disease (ESRD) on chronic peritoneal dialysis (PhD Thesis).

29.4 Conferences attended, lectures delivered

Dr Arpana Bhide, attended APPICON 2018 conference and presented e poster on 'Assessment of phagocytic index of polymorphonuclear leucocytes in hospitalized stages 4 and 5 chronic kidney disease patients' at Manipal during 29th November to 1st December 2018.

29.5 Publications

1. Pravallika P, Sharvani N, Nandini Ch, Ramesh babu M. A review on association of air pollution and biomass fumes on respiratory system. J Clin Diagnos Res 2018;12(10):CE01-CE04.
2. Pagadala P, Manaschakravarthy K, Nerella S, Shankarappa V, Babu MR. Heart rate variability and electrocardiographic changes during acute mental stress in first MBBS students: An analytical study. Natl J Physiol Pharm Pharmacol 2019; 9 (Online First). Doi: 10.5455/njppp.2019.9.1135108122018
3. Thakur T, Arpana B, Chaudhury A, Asha T, Latheef K, Narendra H. Effects of tobacco smoking on innate immunity- A study based on neutrophil phagocytic index. Indian J Physiol Pharmacol 2018;62(2):182-6.

4. Bhide A, H Narendra, Thota A. Effects of tobacco smoking on haematological parameters: Haemoglobin and white blood cells. International Physiology 2018;6(2):85-9.
5. Sunil Naik G, Gaur GS, Pal GK. Effect of Modified Slow Breathing Exercise on Perceived Stress and Basal Cardiovascular Parameters. Int J Yoga 2018;11(1):53-8.

29.6 CME's conducted by the department.

A CME conducted on "Platelet" by three Depts. of Physiology, Nuclear Medicine and Radio Diagnosis on 8th December 2018.

29.7 CME's attended

Dr G. Sunil Naik, attended CME on Dr Mohan's International Diabetes Update 2018, at Chennai during 20-22 July 2018.

Mrs. K. Pujitha, Mrs. M. Hari Priya, attended CME on Physiology of Cognitive Neuroscience & its alterations organised by Department of Physiology, Sri Devaraj URS Medical College, Kolar on 6th August 2018.

29.8 Other academic activities

Dr Sharan B Singh M, attended as external examiner for 1st year MBBS Practical Examination at SVMC, Tirupati during 27-31 July 2018 & 1-3 August 2018.

Dr Arpana Bhide, attended as team leader for Community CPR training programme at Heritage Foods Limited, Chittoor on 13th April 2018

The "2nd A.P. State Level Quiz in Physiology HAYAGREEVA – 2018" was conducted on 27th APRIL'2018 by department of Physiology for all MBBS students of 12 colleges i.e. Sri Padmavathi Medical College for Women-Tirupati, Sri Venkateswara Medical College - Tirupati, PSIMS - Chinoutpally, Konaseema Institute of Medical Science(KIMSRRF)-Amalapuram, Nri Medical College- Mangalagiri, Gitam Institute Of Medical Sciences & Research-Vizag, Nimra Institute Of Medical Sciences-Vijayawada, Gayatri Vidya Parishid Medical College-Visakhapatnam, Rims - Ongole, Katuri Medical College-Guntur, Rajiv Gandhi Institute Of Medical Sciences-Srikakulam & Rims-Kadapa.

30.0 DEPARTMENT OF PLASTIC SURGERY

Associate Professor & Head

Dr Praveen Kumar Reddy C.V

30.1 Conferences / Workshops attended

Dr Praveen Kumar Reddy, attended the following

1. Workshop on Rapid free flap for Onco Reconstruction in September 2018.
2. Plastic Surgery state conference at Hyderabad in October 2018.

31.0 DEPARTMENT OF PSYCHIATRY

Assistant Professor & Head

Dr B. Shivanandh

Faculty

Dr D.Triveni

Senior Resident

Dr Jaya Priya

Junior Resident

Dr K.Sowjanya

31.1 Research Projects

Principal Investigator: Dr B.Sivanandh

1. A Study to assess the Prevalence of Premenstrual syndrome and premenstrual Dysphoric Disorder. **No funding Agency**
2. A Cross sectional study on effect of distress due to disease on Medication adherence in patients with type 2 diabetes mellitus in a tertiary care Hospital. **No funding Agency.**

31.2 Research Work

Thesis submitted

1. **Dr Sivanandh, was Co-guide for** Utility of 18F FDG brain PET-CT scan in evaluation of regional brain metabolism in patient suffering with psychogenic non-Epileptic seizures (MD Thesis).

31.3 Conferences attended

Dr Sivanandh, attended the following

1. World Psychiatric association conference at Mexico and delivered oral presentation about uses of FDG

PET in patient suffering with psychogenic non-Epileptic seizures in September 2018.

2. Indian Psychiatric Society – South zone conference during 26-28 October 2018.
3. Delivered on “Mental Health awareness talks in All India Radio” during 15-16 September 2018.

31.4 Publication

1. Sivanandh.B, Suresh.V, Sai Lahar, ShaliniRar, Srujana.J, Haindavi.L. A Cross section study on effect of Distress due to disease on medication adherence in patient with Type 2 Diabetes mellitus in a tertiary care hospital. International Journal of Contemporary Medical Research 2018; 5(6); F1-F4.
2. Sivanandh.B, Haripriya Sadam, Harshita K, Divya Nageswari, Harshitha Reddy, Gouri Dhanekula. A Study to assess the Prevalence of Premenstrual syndrome and premenstrual Dysphoric Disorder”International Journal of Contemporary Medical Research 2018; 5(11):K1-K5.

32.0 DEPARTMENT OF RADIO-DIAGNOSIS

Professor & Head

Dr A.Y. Lakshmi

Faculty

Dr B. Vijayalakshmi Devi

Dr Silpa Kadiyala

Dr Pavan Kumar G.Kale

Senior Residents

Dr N. Hareesh Babu

Dr Sandeep

Dr G.P. Venkat Chowdary

Dr Swathi

Tutor cum PG Junior Residents

Dr Ashok Hussain Karumanchi

Dr Satyanarayana Goud V

Dr Devanga Sravani

Dr Harikishore Kamepalli

Dr Suneel N

Dr Penubala Shalini Devi

Dr Kirankumar K

Dr V. C. Venkatesh

Dr Narapareddi Sivasahas Reddy

Dr L. Subramanyam

Dr Settem Theja

Dr Vishnu Prasad

Dr Sake Vinod Kumar

Dr Prasanthi Meesala

Dr Chandana Bimineni

Dr Harshit Soni

32.1 Awards, Achievements and Felicitations:

Dr Kishore, PG Junior Resident won **Dr Rajareddy Gold Medal** at AP State Annual Conference at Kakinada.

32.2 Research Work

Theses submitted

1. Hari kishore. An observational Study of Pre and Post contrast MRI features of invasive breast Carcinoma (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Ashok Hussain. Fetal transcerebellar diameter to abdominal circumference ratio (TCD/AC) and to femur length ratio (TCD/FL) in the assessment of normal fetal growth (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Kiran Kumar K. Role of colour Doppler ultrasound and MDCT angiography in the evaluation of peripheral arterial disease (MD Thesis).
2. Siva Sahas Reddy N. A comparative study of clinical, MRI and arthroscopic evaluation of

internal derangements of knee (MD Thesis).

3. Suneel N. Correlation of placental thickness with gestational age and fetal weight by ultrasonography (MD Thesis).
4. Satyanarayana Goud. Diagnostic efficacy of Ultrasound and MRCP in obstructive jaundice (MD Thesis).
5. Vinod Kumar S. Foetal kidney length as a parameter for determination of gestational age and its comparative evaluation with other foetal biometric indices (MD Thesis).
6. Chandana Bimineni. Predicting clinical outcome in patients with acute pulmonary embolism by using morphological parameters on computed tomography pulmonary angiography in comparison with clinical outcome (MD Thesis).
7. Settem Theja. Colour Doppler, ultrasound and multidetector CT angiographic study for the evaluation of arterio venous access related vascular complications in patients of chronic kidney disease (MD Thesis).

Annual Report 2018

32.3 Conferences attended / Lectures delivered

Dr A.Y. Lakshmi, Dr Silpa attended 5th SER Conference during 2-4 November 2018.

Dr B. Vijayalakshmi Devi, attended the following

1. Guest Lecture on Perineural spread in head and neck, malignance in radiotherapy conference at Tirupati
2. "Hybrid (CT-DSA) imaging at Chandigarh during on 25-27 April 2018
3. Imaging quiz for MD Residents and conducted workshop on Emergency USG for Chest physicians at Madanapalli, AP State conference on 10th November 2018.

Dr B. Vijayalakshmi Devi, Dr Silpakadiyala attended AP state Annual Conference at Kakinada during 27-29 July 2018.

Dr Silpakadiyala, attended the following

1. AOCC 71st IRIA National Conference at Mumbai during 24-28 January 2018.
2. Asian Musculoskeletal conference at Chennai during 10-12 August 2018.
3. Imaging of Non obstetric case of pain abdomen in pregnancy in SER Conference at Hyderabad on 3rd November 2018.

32.4 Presentations by Postgraduate students

Postgraduate students pursuing MD (Radio-diagnosis) presented the following papers / posters at:

AP state Annual Conference at Kakinada during 27-28 July 2018

1. Chandana. CSF flow studies.
2. Kishore. SWI and DWI in ring enhancing lesions.
3. Sahas. Sellar and Parasellar lesions.

4th Telangana State Conference during 13-14 October 2018

1. Satyanarayana. Epidermoid cyst.
2. Sunil. Post Traumatic Carotico Cavernous Fistula.
3. Teja. Paraganglioma.

SERCON 5th National Conference at Hyderabad during 2-4 November 2018

1. Kiran. Non Traumatic Neurological Emergencies.
2. Vinod. Mesenteric Ischaemia.

32.5 Publications

1. Sriharsha Haranadha, Rukmangadha Nandyala, Vijayalakshmi Devi Bodagala Narendra Hulikal. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral squamous cell carcinoma. Oral Oncology 2018; 83:115-9.
2. Patnayak R, Vijaylaxmi B, Narendra H, Jena A, Reddy GV. Mucinous adenocarcinoma of stomach with multiple foci of calcification: Addition of a case and a review of literature. J NTR Univ Health Sci 2018;7:207-9.
3. Babu N H, Devi B V, Kadiyala S, Lakshmi A Y, Narendra H, Rukmangadha N. Accuracy of preoperative ultrasonography in measuring tumor thickness and predicting the incidence of cervical lymph node metastasis in oral cancer. J NTR Univ Health Sci 2018;7:241-4.
4. Arun Raja V, Sindhu G, Sreevidya B, Rashmi P, Vishnu Priya B, Settipalli S, Kadiyala S, Mohan A. A rare case of Hydatidoptysis. Indian J Chest Dis Allied Sci 2018;60:83-5.
5. Gajjala S, Hulike N, Kadiyala S, Kothu R, Kalawat T. Whole body 18 F-Fluorodeoxyglucose positron emission tomography- CT for staging locally advanced breast cancer. A prospective study from a tertiary cancer centre in South India. Indian J Med Res 2018;147(3):256-62.
6. Kumar SM, Priya R, Kalawat TC, Kadiyala S, Manthri RG, Rukmangadha N. Role of 18F-fluorodeoxyglucose positron emission tomography/ computed tomography in detecting posttransplant lympho proliferative disorder. Indian J Transplant 2018;12:224-6.

32.6 CMEs/Orations conducted by the department

1. 4th Annual Radiology Chair Gold Medal Oration is conducted on 12th November 2018.

2. CME conducted by Departments of Radiology, Nuclear Medicine and Physiology on “Update on Prostate Cancer from Physiology to Palliation” on 8th December 2018.

32.7 CMEs/ Seminars/ Workshops attended

Dr Silpakadiyala, attended the following

1. 7th KREST CME presented on Imaging of Paediatric Neck Masses at Hyderabad on 24th February 2018.
2. A talk on PACS in AP Physics course at NRI Mangalagiri on 19th November 2018.
3. “2B FRCR Teaching Course” Examiner/talk at Hyderabad during 13-16 December 2018.

Dr Harish babu, Dr Venkat Choudary, attended Mock Exam course in NRI Medical College during 3-4 February 2018.

Dr Satyanarayana, Dr Sahas, Dr Suneel, Dr Kiran, attended SACRED on “Skull imaging” and “Paediatric Neuro Imaging” at Sri Satyasai Institute of Higher Medical Sciences, Bangalore on 25th February 2018.

Dr Venkat, Dr Kishore, attended KARE programme at Basavatharakam Indo American Cancer Hospital during 9-11 March 2018.

Dr Harshith, Dr Venkatesh, Dr Vishnuprasad, Dr Shalini, Dr Prasanthi, Dr Sravani and Dr Subramanyam, attended “STAR BASICS” at Chennai during 14-15 July 2018.

Dr Vinod, Dr Satyanarayana, Dr Kiran, attended HARP at Hyderabad during 20-22 July 2018.

Dr Satyanarayana, Dr Suneel, Dr Vinod, Dr Prasanthi, Dr Shalini Devi, attended “Fetal Radiology update” at Kurnool College, Kurnool on 30th December 2018.

32.8 Other academic activities

1. **Dr A.Y.Lakshmi** was a panelist in use of Emergency changes and Contrast Media in ER
2. **Dr Ashokan**, Consultant, Christ Hospital Illinois USA delivered guest lecture on “New Recommendations for interpreting and reporting of first trimester Ultrasound and conducted film reading session
3. **Dr T.L.N. Praveen**, Honorary consultant NIMS, Director and Consultant “Abhishek Institute of Imageology” delivered series of lectures on
 - Early anomaly scan
 - Fetal heart- A challenging endeavour
 - And conducted live demonstration of antenatal ultrasound

33.0 DEPARTMENT OF RADIOTHERAPY

Associate Professor & Head

Dr B.V.Subramanian

Faculty

Dr Pranabandhu Das
Dr Swapna Jilla

Dr B. Sreenivasa Rao
Dr Dinakar Kootala

Dr D. Pradeep Kumar Reddy

Lecturer in Radiological Physics

S. Balaraju
M. Sangeetha

J. Anitha Kumari
N. Saidulu

A. Srinivasa Raghava
M. Anil Kumar

Senior Residents

Dr M.Hemanth

Dr Madala Ravi Krishna

PG Junior Residents

Dr Pettikota Masthan Basha
Dr Chevireddy Praneetha
Dr Kalasamudram Sravani

Dr Deepthi G V
Dr Anusha G

Dr Gudi Haripriya

33.1 Research Projects

Ongoing Research Projects

1. **Principal 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 45 Gy following external beam radiation therapy in patients with head and neck cancer. **Funding Agency:** SBAVP, SVIMS. **Year of Beginning:** 2017

33.2 Research Work

Thesis work

Theses submitted

1. **Masthan Basha P.** A prospective study of comparison of therapeutic efficacy between three dimensional con- formal radiotherapy (3d-crt) and intensity modulated radio therapy (IMRT) in locally advanced head and neck cancers (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Praneetha C. A Prospective study of comparison between accelerated fractionation radiotherapy and concurrent chemotherapy in the treatment of carcinoma uterine cervix (MD Thesis).
2. Deepthi GV. A comparative study of hypofractionated radiotherapy versus conventionally fractionated radiotherapy in post mastectomy breast cancer patients (MD Thesis).

33.3 Conferences attended / Lectures delivered

Dr B.V. Subramanian, attended the following:

1. 2nd Annual Conference of Association of Radiation Oncology of India – Andhra Pradesh Chapter held at Tirupati during 10-11 February 2018.
2. 40th Annual Conference of the Association of Radiation Oncology of India held at Kovalam, Kerala during 29th November - 2nd December 2018.

Dr Pranabandhu Das, Dr Swapna Jilla, Dr B.Sreenivasa Rao attended 2nd Annual Conference of Association of Radiation Oncologists of India –Andhra Pradesh chapter held at Tirupati during 10-11 February 2018.

Dr Pradeep kumar Reddy D, attended the following:

1. Annual conference of AROI AP Chapter organized by SVIMS and delivered lecture on Role of Prophylactic para aortic nodal irradiation in Carcinoma Cervix on 10th February 2018.
2. AROICON 2018 (40th Annual conference) at RCC Trivandrum during 29th November - 2nd December 2018.

Dr G.V.Deepthi, Dr C.Praneetha, Dr P.Masthan Basha, attended ESTRO-AROI teaching course held at Rajahmundry during 7-10 October 2018.

33.4 Presentations by postgraduate students

Postgraduate students pursuing MD (Radiotherapy) presented the following papers at:

AP-AROICON -2018 at Tirupati during 10-11 February 2018

1. Dr G.V.Deepthi. Impact of various prognostic factors on survival in Glioblastoma Multiforme – tertiary care institutional experience.
2. Dr C.Praneetha. A comparative study of clinical outcomes with two different dose fractionation regimens in the treatment of Carcinoma Cervix; experience at a tertiary care Institute.
3. Dr Masthan Basha. A prospective study of comparison of therapeutic efficacy between 3DCRT VS IMRT in locally advanced Head and Neck cancers.

33.5 Publications

Publications in indexed journals

1. Ravikrishna M, Jilla S, Subramanian B.V, Das P, Raghava S. Dosimetric Comparison of deep inspiration breath hold with active breathing coordinator versus free breathing in carcinoma left breast patients receiving adjuvant Radiotherapy. Int J Sci Res 2018;7(4):37-9.
2. Archana P, Swapna J, B.V.Subramanian, Ravikrishna Madala. Impact of various Prognostic

factors on over all survival, Disease free survival and patterns of failure in carcinoma cervix – A Tertiary care centre experience from South India. Indian Journal of Gynecologic Oncology (2018)16:11.

3. Hemanth M, Das P, Subramanian BV. A retrospective study of clinical profile and prognostic outcomes of nasopharyngeal carcinoma in a tertiary cancer care centre in south india Int J Sci Res 2018;7(1):398-400.
4. Praneetha C, Subramanian BV, Deepthi GV, Basha PM, Das P. Cisplatin Induced SIADH in Patients Receiving Concurrent Chemoradiation Therapy: A Rare Clinical Observation. J Clin Diagn Res, 2018, Nov, Vol-12(11): XD01-XD02.
5. Basha PM, Das P, Subramanian BV. Impact of urinary bladder filling on acute radiation toxicities during external beam radiotherapy of carcinoma cervix: a pilot study. Int J Sci Res 2018 ;7(12):533-34.

33.6 Conference/CMEs conducted by the dept.

1. 2nd Annual Conference of Association of Radiation Oncologists of India Andhra Pradesh Chapter at Tirupati during 10-11February 2018.
2. Multi disciplinary management of Carcinoma Cervix at SVIMS, Tirupati on 7th July 2018.

33.7 CMEs/Seminars/Workshop attended.

1. Dr B.V.Subramanian, Dr B.Sreenivasa Rao, attended the International Collaboration for Research methods Development in Oncology (CReDO) workshop held at Mumbai during 4-9 March 2018.
2. Dr Swapna Jilla attended the SBRT in Lung Carcinoma & “Conducted QUIZ Programme” on SBRT at VIZAG on 1st July 2018.
3. Dr Pradeep kumar Reddy D, attended CME on Multidisciplinary management of carcinoma of cervix and delivered lecture on workup & staging of Carcinoma Cervix at SVIMS on 7th July 2018.

34.0 DEPARTMENT OF RHEUMATOLOGY

Assistant Professor & Head

Dr K.Sirisha

Faculty

Dr S.Aparna

Junior Resident

Dr G. Sirishna

34.1 Conferences attended, lectures delivered

Dr S.Aparna, attended the Indo-UK meet 2018 and presented a poster on “Clinical utility of Positron emission tomography-CT FDG 18 in Rheumatology” at Calicut in February 2018.

34.2 Publications

Book chapter

1. Sirisha.K, Aparna.S. “Future therapies in idiopathic inflammatory myositis”2018. API Monograph on Myositis.

34.3 CMES/Seminars/Workshops attended

Dr S.Aparna, attended the Indo-UK meet 2018 at Calicut, February 2018 and presented a poster on “clinical utility of Positron emission tomography-CT FDG 18 in rheumatology”.

35.0 DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Associate Professor & Head

Dr V.Venkatarami Reddy

Faculty

Dr G.Sivarama Krishna

Dr C.Chandramaliteeswaran

Dr M.Brahmeswara Rao

Dr Nitesh Naga Balaji P

MCh PG Senior Residents

Dr D.V. Narayana Reddy

Dr B. Sravanthi

Dr Lokesh Arora

PDF Residents

Dr P. Sankar Rao

Dr C. Sowdin Reddy

Dr M. Neela Prasad

35.1 Fellowships and Awards

1. Dr Sivaramakrishna G, Associate Professor, was awarded **Post Graduate Diploma in Health Economics**, Health care Financing and Health Policy (PGDHEP) PHFI (E-learning) and certified as **Quality Implementer** by Healthcare Sector Skill Council and CAHO.
2. Dr D V Narayana Reddy, Postgraduate Senior Resident received *Travel Fellowship* from Indian Association of Surgical Gastroenterology.

35.2 Research work

Thesis submitted

1. Nitesh Naga Balaji P. Assessment of functional outcomes of patients undergoing surgery for chronic pancreatitis (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Narayana Reddy DV. A prospective randomized controlled study comparing end to end versus end

to side anastomosis after low anterior resection for rectal cancers (MCh Thesis).

2. Sravanti Balaga. Role of intra-operative amylase concentration in peri-pancreatic fluid in predicting post-operative pancreatic fistula after pancreaticoduodenectomy (MCh Thesis).

35.3 Conferences attended, lectures delivered

Dr Venkatarami Reddy V, attended the following

1. IAPEN – GI Nutrition Congress and delivered a guest lecture on “ERAS in GI Surgery” at JIPMER, Puducherry during 2-3 February 2018.
2. Faculty at APASICON 2018 (Association of Surgeons of India- AP Chapter, Annual conference) and delivered a guest lecture on “Small intestinal Fistula” at Kadapa during 24-26 August 2018.
3. Delivered a guest lecture on “Mechanical Bowel preparation and Antibiotic prophylaxis in Rectal cancer surgery” at Rectal Cancer treatment outcome group meet at New Delhi on 17th December 2018.

Dr G. Siva Rama Krishna, attended the following

1. ICMR Dissemination program of the ICMR National Ethical Guidelines 2017 at SRMC, Chennai on 7th February 2018.
2. Advance course in medical education (ACME) session at CMC, Vellore during 8-13 March 2018.
3. CAHOCON 2018 and Pre- conference workshop on Antimicrobial Stewardship at Chennai during 6-8 April 2018.
4. IAESCON 2018 at SVIMS, Tirupati during 28-29 September 2018.

Dr C.Chandramaliteeswaran, attended the Annual conference of Association of Surgeons of India (ASICON 2018) at Chennai during 26-30 December 2018.

35.4 Presentations by postgraduate students

Postgraduate students pursuing MCh (Surgical GE) presented the following papers /posters at:

41th Annual conference of Association of surgeons of India – AP state chapter (APASICON 2018) at Kadapa during 24-26 August 2018.

1. Narayana Reddy DV. Effect of preoperative nutritional status on early postoperative outcomes in patients undergoing pancreaticoduodenectomy.
2. Sravanthi B. Intraductal Papillary Mucinous Neoplasms of the Biliary tract misdiagnosed as hydatid cysts.
3. Gajapathi CVRS. Acute pancreatitis – Clinical presentation and outcomes.
4. Reddy Sreenivas P. Post cholecystectomy bile duct injuries – Outcomes.
5. Kiran Kumar V. Choledochal cyst – Clinical profile and its surgical Outcomes.

XXVIII National Conference of the Indian Association of Surgical Gastroenterology (IASGCON 2018) at Chandigarh during 3-6 October 2018.

1. Narayana Reddy DV. Effect of preoperative nutritional status on early postoperative outcomes in patients undergoing pancreaticoduodenectomy” and a poster on “ Solid Pseudopapillary Neoplasm of Pancreas in a tertiary care center”.
2. Sravanthi B. Intraductal Papillary Mucinous Neoplasms of the Biliary tract misdiagnosed as hydatid cysts.

35.5 Publications

1. Venkatarami Reddy Vutukuru, Raghavendra Rao RV, Varughese Mathai, Sarala Settipalli. Drainage procedures for small duct disease in chronic pancreatitis: A feasible option: Int Surg J 2018;5(6):2319-23.
2. Venkatarami Reddy Vutukuru, Raghavendra Rao RV, Varughese Mathai, Sarala Settipalli. Relevance of peripheral Eosinophilia in Chronic pancreatitis. Int Surg J.
3. Venkatarami Reddy Vutukuru, Sivarama Krishna Gavini, Chandramaliteeswaran C. Sarala Settipalli, Rukmangada N. Pancreatic hydatid masquerading as cystic neoplasm: J Surg Operative Care 2018;3(1):104.

35.6 CMEs / Seminars / Workshops / Orations conducted by the dept.

The Department of Surgical Gastroenterology is organizing GUT CLUB-TIRUPATI, a CME Programme on last Tuesday of every month since March 2013. Interesting cases and recent advances are discussed during sessions and it involves Medical Gastroenterologists, Surgical Gastroenterologists, and General surgeons, medical and surgical residents in Tirupati.

35.7 CMEs/ Workshops attended

Dr Venkatarami Reddy V, attended the following

1. Delivered Guest lecture on “Difficult cholecystectomy – Tips and Tricks” and participated in live workshop at a CME NRI Surgicon 2018 at Vijayawada during 9-10 June 2018.
2. Delivered a Guest lecture on “Surgery for Anal Incontinence” at a CME GI Update 2018 on Colorectal disorders at Vijayawada during 14-15 July 2018.

Dr G. Siva Rama Krishna, attended the following

1. SVIMS Silver Jubilee Laparoscopic Onco Surgical Workshop-2018 (SSJLOW 2018) during 23-24 February 2018 and chaired a session.
2. Workshop on “Multiple Linear Regression, Logistic Regression & Survival Analysis” at Biostatistics Resource & Training Centre, CMC, Vellore during 28th May – 1st June, 2018.
3. A CME and Presented a poster on “Procedural Skills Assessment of Resident Performed Laparoscopic

Cholecystectomy by Direct Observation (Dops) and Video Observation (Vops): A Pilot Study” at CMC, Vellore during 10-12 September 2018.

4. Workshop on “Basic and Advanced Level Meta Analyses” at Biostatistics Resource & Training Centre, CMC, Vellore during 19-21 November 2018.

Dr C.Chandramaliteeswaran, attended the CME NRI Surgicon 2018 and delivered Guest lecture on “Management of CBD stones” and participated in live workshop at Vijayawada during 9-10 June 2018.

35.8 Other academic activities

Dr G. Siva Rama Krishna, attended the following

1. Certified professionals for quality implementation in hospitals (CPQIH) Advance training program at Bangalore during 6-9 October 2018.
2. Certificate Programme in Research Methodology PHFI (E-learning)
3. Certificate course in Research ethics PHFI (E-learning)
4. Attended following NABH workshops
 - . Documentation Requirement for Patient Safety and Quality Improvement at Chennai on 25th March 2018.
 - . Clinical Audit at Bangalore on 29th July 2018.
 - . Continual Quality Improvement: Tools and Techniques at Visakhapatnam on 26th August 2018.

36.0 DEPARTMENT OF SURGICAL ONCOLOGY

Professor & Head

Dr H.Narendra

Faculty

Dr B.Manilal

Dr MD Basheeruddin Inamdar

MCh PG Senior Residents

Dr Guru Raghavendra Naik. M
Dr V. Naresh Kumar

Dr B. Bhavya
Dr S. Nagesh Kumar

Dr Chilukala Sai Praneeth
Dr S.Chaitanya Vani

36.1 Awards, achievement and felicitations

1. **Dr H.Narendra**, Professor and Head was awarded “**Andhra Pradesh State Best Teacher Award**” at University Level from Govt. of AP during teachers day celebration at Vijayawada on 5th September 2018.
2. Dr M.Guru Raghavendra, MCh Resident was awarded “**First Prize in Free Paper Presentation**” at NATCON IASO-2018 for research topic titled “A randomized controlled study of drain versus no drain in patients undergoing pelvic lymph node dissections with or without paraaortic lymph node dissection in gynaecological malignancies” at Kovalam, Kerala during 21-23 September 2018.
3. Dr V.Naresh Kumar, MCh Resident was awarded “**Dr Vyagreswarudu Best Paper Award**” at APASICON – 2018 for paper titled “A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer” at Kadapa during 24 – 26 August 2018.
4. Dr V. Naresh Kumar, MCh Resident was awarded “**First Prize in Best State Chapter Paper Award**” at ASICON– 2018 for research topic titled “A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer” at Chennai on 27th December 2018.

36.2 Fellowships received

International

1. **Dr Narendra H**, was awarded **Fellowship of American college of Surgeons (FACS)** by American College of Surgery on 21st October 2018.

National

1. **Dr B.Manilal**, received **Fellowship of Association of Indian Surgeons (FAIS)** in ASICON – 2018 at Chennai during 26 – 30 December 2018.

36.3 Research Work

Theses submitted

1. Basheeruddin Inamdar MD. A prospective single center study of pre operative blood ordering schedule, indications and actual usage of blood and blood components among patients undergoing elective curative surgery for major oncological resections (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Vijaya Lakshmi VV. A prospective study of sentinel lymph node biopsy followed by bilateral pelvic nodal dissection using methylene blue dye alone in clinically node negative early stage, operable cervical cancer (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Guru Raghavendra Naik M. A randomized controlled study of drain versus no drain in patients undergoing pelvic lymph node dissections with or

without paraaortic lymph node dissection in gynaecological malignancies (MCh Thesis).

2. Naresh Kumar V. A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer (MCh Thesis).
3. Bhavya B. A prospective study to assess the involvement of lesser SAC and the role of lesser omentectomy in the management of advanced epithelial ovarian cancers (MCh Thesis).
4. Nagesh Kumar S. Utility of whole body 18F FDG PET CT in comparison to MRI in the evaluation of clinically operable carcinoma cervix (FIGO stage I and IIA) patients (MCh Thesis).

36.4 Conferences attended, lectures delivered

Dr H.Narendra, attended the following

1. 2nd AP AROICON and delivered a Guest lecture on Role of Prophylactic lymphadenectomy in Stage I Endometrial cancer at Tirupati during 10-11 February 2018.
2. NATCON IASO 2018 and Guest faculty in Panel discussion on carcinoma cervix and presented a paper titled "Predicting response to Neoadjuvant chemotherapy using 18F FDG whole body PET CT in patients with locally advanced breast cancer" at Trivandrum during 21-23 September 2018.
3. As Chairperson, Case Capsule session, Annual conference of Indian Association of Endocrine Surgeons at SVIMS, Tirupati during 28-29 September 2018.
4. As Chairperson, Panel discussion on Benign Breast Disease at ABSICON 2018 and Presented a poster titled "Axillary lymphatic vessel ligation and quilting Vs conventional modified radical mastectomy for Breast Cancer- a randomized controlled study" at AIIMS, New Delhi during 10-11 November 2018.
5. As Chairperson, Volume Displacement: types and techniques, AIIMS-UHNM (UK) Cadaver Workshop on Breast Oncoplasty and

Reconstruction at AIIMS, New Delhi on 12th November 2018.

6. Invited Faculty, Panel discussion on Salivary gland malignancies at ASICON 2018 and delivered a Video presentation on Platysma flap, ASICON 2018 at Chennai during 26-30 December 2018.

Dr B.Manilal, attended conference of IAESCON-2018 and presented video "Total thyroidectomy" at SVIMS, Tirupati during 28-29 September 2018.

36.5 Presentations by postgraduate students

Postgraduate students pursuing MCh (Surgical Oncology) attended and presented the following papers / posters at:

APASICON – 2018 at Kadapa during 24-26 August 2018

1. Guru Raghavendra M. A case series of Adrenalectomies and A randomized controlled study of drain versus no drain in patients undergoing pelvic lymph node dissections with or without paraaortic lymph node dissection in gynaecological malignancies.
2. Naresh Kumar V. A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer.

IAESCON– 2018, A. J. Bensam Poster award at SVIMS, Tirupati during 28-29 September 2018

1. Guru Raghavendra M. A case series of Adrenalectomies.
2. Naresh Kumar V. A rare presentation of Medullary Carcinoma Thyroid with incidental tumor thrombus in internal jugular vein

NATCON IASO– 2018 at Kochi during 21-23 September 2018

1. Naresh Kumar V. A randomized controlled study of Quilting and axillary lymphatic vessel ligation vs conventional closure with drain for patients undergoing modified radical mastectomy for breast cancer.

36.6 Publications

1. Haranadh S, Nandyal R, Bodagala V, Hulikal N. A prospective analysis of prevalence of metastasis in levels IIB and V neck nodes in patients with operable oral squamous cell carcinoma. Oral Oncology. 2018;83:115-119.
2. Gajjala SR, Narendra H, Kottu R, Kadiyala S, Kalawat T. Whole body 18-F-FDG PET-CT for staging locally advanced breast cancer: A prospective study from a tertiary cancer centre in South India. Indian J Med Res. 2018;147:256-62.
3. Kumar Reddy GR, Hulikal N, Lakshmi AY, Vengamma B. Nerve and vein preserving neck dissections for oral cancers: a prospective evaluation of spinal accessory nerve function and internal jugular vein patency following treatment. Acta Otorhinolaryngol Ital. 2018;38:7-12.
4. Sanuvada R, Nandyala R, Chowhan AK, Bobbidi P, Yootla M, Hulikal N, Sachan A. Value of cytokeratin-19, Hector Battifora mesothelial-1 and galectin-3 immunostaining in the diagnosis of thyroid neoplasms. J Lab Physicians [serial online] 2018 [cited 2018 Apr 2];10:200-7.
5. Manilal Banoth, Ramana Reddy Naru, Mohammed Basheeruddin Inamdar and Amit Kumar Chowhan. Familial Swyer syndrome : a rare genetic entity. Gynecol Endocrinol. 2018 May; 34 (5):389-93.
6. Thakur T, Bhide A, Chaudhury A, Thota A, Kasala L, Hulikal N. Effects of Tobacco Smoking on Innate

Immunity: A Study Based on Neutrophil Phagocytic Index. Indian J Physiol Pharmacol 2018; 62:182-6.

7. B Inamdar, R Naik, V Naresh Kumar, A K Chouhan, P K Reddy, N Hulikal. Eccrine porocarcinoma of scalp : an unusual malignancy of sweat glands. Clin Surg 2018 ; 3: 1865.

Publications in Non-indexed journals

8. Inamdar B, Naik R, Naresh Kumar V, Chauhan AK, Reddy PK, Hulikal N. Eccrine Porocarcinoma of Scalp: an Unusual Malignancy of Sweat Glands. Clin Surg. 2018;

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

1. SVIMS Silver Jubilee live Laparoscopic Oncosurgery Workshop and Annual Surgical Oncology Chair Oration (SSJLOW 2018) at SVIMS, Tirupati during 23-24 February 2018.
2. 19th Annual National Conference of the Indian Association Of Endocrine Surgeons (IAESCON 2018) at SVIMS, Tirupati during 28-29 September 2018.

36.8 Other academic activities

1. Coordinated and conducted DNB (Surgical Oncology) Practical Exams in April 2018.
2. Dr Narendra H was MCh and NBE Examiner, Assessor and nominated by NBE as a member for Specialists Board in speciality of Surgical Oncology.

DEPARTMENT OF TB & RD

Asst. Prof. & Head I/C

Dr S. Anusha Rao

Senior Resident

Dr. V. Anupama

Junior Resident:

Dr. A. Lokeswara Reddy

37.0 DEPARTMENT OF TRANSFUSION MEDICINE

Professor & Head

Dr K.V.Sreedhar Babu

Faculty

Dr R.Arun

Dr B. Suresh Babu

Dr I.S. Chaithanyakumar

Senior Resident

Dr Dilli Praveen Mabbu

Tutor cum PG Junior Residents

Dr TVN. Sriranjitha

Dr Keerthi C

37.1 Awards, achievements and felicitations

Dr K.V.Sreedhar Babu, was awarded the following

- **Special appreciation certificate** for outstanding performance from Director cum VC, SVIMS on occasion of Republic Day celebrations -2018.
- Prestigious **“ISBTI Institutional Award”** for Innovative ideas in the field of Scientific Research in Transfusion Medicine during the Annual National conference of Indian Society of Blood Transfusion and Immunohaematology, (ISBTI), “TRANSCON 2018” at Vizag during 26-28 October 2018.

37.2 Fellowships received

Dr TVN Sri Ranjitha, received **PG fellowship award** and **third prize** in quiz competition in 43rd Annual National conference of Indian Society of Blood Transfusion and Immunohaematology (ISBTI), “TRANSCON 2018” at Vizag during 26-28 October 2018.

37.3 Research Project

Ongoing Research Projects

Principal Investigator: Dr Sreedhar Babu K.V.
Title: A study on prevalence of clinically significant proteinaceous blood group antigens (Rh, Kell, Kidd and Duffy) in blood donors in Andhra Pradesh (1 Year). **Funding Agency:** SBAVP

37.4 Research Work

Theses submitted

1. TVN Sri Ranjitha A comparative study between Anti Human Globulin (Coombs') crossmatch versus Type & Screen at the blood bank of a tertiary care referral teaching hospital in Tirupati, Andhra Pradesh, South India (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

37.5 Conferences attended, lectures delivered

Dr K.V. Sreedhar Babu, attended the International Conference of Consortium of Accredited Health care Organizations (CAHOCON-2018) and Pre- Conference workshop on “Quality tools, Project Management” at Sri Rama Chandra Medical College, Chennai during 6-8 April 2018.

Dr R.Arun, attended the following

1. JHAKAAS-2018 conducted by the dept. of Transfusion Medicine, JIPMER and delivered guest lecture on “Total Quality Management System” in the post graduate workshop at JIPMER, Pondicherry during 9-10 February 2018.
2. Guest lecture on Basic Red cell Serology and ABO discrepancy conducted by of Blood Transfusion Indian Chapter at Vizag on 23rd September 2018.
3. 43rd Annual National conference of Indian Society of Blood Transfusion and Immuno Haematology, (ISBTI) “TRANSCON 2018” and delivered guest lecture on “DAT Lab results and

its clinical implications and on Single Donor Platelets verses Random Donor Platelets” at Vizag during 26-28 October 2018.

4. 7th Annual National conference of Indian Society of Transfusion Medicine (ISTM) and delivered guest lecture on and moderator a panel discussion on “Antenatal serology”

Dr TVN Sri Ranjitha, Dr I.S.Chaitanya Kumar, attended the 43rd Annual National conference of Indian Society of Blood Transfusion and Immunohaematology (ISBTI) presented oral paper on Prevalence of bacterial contamination in blood and its components in a tertiary care referral research institute in south India and presented poster on Donor Deferral pattern at a tertiary care teaching Research institute in South India at Vizag during 26-28 October 2018.

37.6 Presentation by postgraduate students

Praveen MD. Presented a paper on “Phenotypic frequency of certain clinically significant blood group antigens (Rh, Kell, Kidd and Duffy) in blood donors of the blood bank” at tertiary care Deferral teaching hospital in Tirupati, Andhra Pradesh, South India.

37.7 Publications

1. Anitha M, Arun R, Rajashekar D, Jothibai S. Association of Coronary Artery Diseases with ABO and Lewis Blood Group Phenotypes at a Tertiary Care Teaching Hospital in Southern India. J Clin Diag Res 2018;12:17-21.
2. Chaitanya Kumar IS, Suresh B, Arun R, Sreedhar Babu KV, Sri Ranjitha TVN. A study to assess the ABO blood group antigen phenotype and gene distribution among blood donors at a tertiary care research institute in South India. Int J Sci Res.2019;8:71-2.

37.8 Seminars conducted by the department.

World Blood Donors day-2018, theme “Be there for someone else. Give blood. Share life.” was conducted by department of Transfusion Medicine, SVIMS on 14th June 2018.

37.9 CMEs/Seminars/Workshops attended

Dr K.V.Sreedhar Babu, attended the following

1. CME on “Safety, Efficiency & Reliability with NAT-PCR” at New Delhi on 3rd May 2018.
2. MEDUCON – 2018 at Apollo Institute of Medical Sciences & Research, Chittoor during 9-10 June 2018.
3. Interactive workshop on “Continual Quality Improvement: Tools and Techniques Organized by NABH at Vizag on 27th August 2018.
4. Workshop on “Basic & Advanced Level Meta Analysis” at Dept. of Biostatistics, CMC, Vellore during 19-21 November 2018.
5. CME on platelets: “Bench to Bed side” organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

Dr R.Arun, attended CME presented guest lecture on Red cell substitutes and Rational Usage of blood products, Platelet refractoriness Random Donor Platelets Verses Single Donor Platelets organized by Dept. of Pathology, Dr Pinnamaneni Sidhartha Institute of Medical Sciences and Research on 23rd June 2018.

Dr B.Suresh Babu, attended the following

1. CME on “Transfusion Medicine” and presented a lecture on “Quality Assurance in Blood Banking” at organized by ISBTI, Andhra Pradesh Chapter at Visakhapatnam on 23rd September 2018.
2. CME on platelets: Bench to Bed side organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

Dr I.S.Chaitanya Kumar, attended the following

1. National Hemophilia Update at Bangalore during 11-12 August 2018.
2. CME as ISBTI-AP Chapter Vice president at Visakhapatnam, Vijayawada
3. CME on platelets: Bench to Bed side organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

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Dr MD Praveen, attended the following

1. Workshop in Transfusion Medicine, organized by Dept. of Transfusion Medicine JIPMER, Puducherry during 9-11 February 2018.
2. CME on “platelets: Bench to Bed side” organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

Dr TVN Sri Ranjitha, attended the following

1. CME on “Transfusion Medicine” organized by Rotary Blood bank, Jagadamba Center at Visakhapatnam on 23rd September 2018.
2. CME on platelets: Bench to Bed side organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

Dr C.Keerthi, attended the following

1. CME on “Transfusion Medicine” organized by Rotary Blood bank, Visakhapatnam on 23rd September 2018.
2. CME on platelets: Bench to Bed side organized by department of Biochemistry in SVIMS, Tirupati on 27th November 2018.

37.10 Other academic activities

Dr K.V.Sreedhar Babu, as External examiner

1. II MBBS, ACSR Govt. Medical College, Nellore during 26th February- 4th March 2018.
2. II MBBS, Chengalpat Medical College, Tamilnadu during 6-10 March 2018.

3. MD Transfusion Medicine, Sri Rama Chandra Medical College, Chennai during 18-20 April 2018.
4. MD Transfusion Medicine, Kaminani Institute of Medical sciences, Narketpally, Telegana during 19-20 May 2018.
5. Technical Bid Evaluation Committee, JIPMER-Puducherry on 21st July 2018.
6. II MBBS, ACSR Medical College, Nellore on 11th August 2018.
7. External Examiner – for Thesis evaluation –Post Graduate Department of Transfusion Medicine, Institute of Medical Sciences & SUM Hospital, Siksha O Anusandhan University, Bhubaneswar, Odisha
8. MD Transfusion Medicine, VMKV Medical College, Salem during 15-16 November 2018.
9. Member – Human Ethics Committee – Indian Institute of Science, Education & Research (IISER), Tirupati.
10. Member – Board of Studies in Basic Medical Sciences, Sri Ramachandra Medical University, Porur, Chennai.

Dr Arun, as an external examiner for the MD Transfusion Medicine Post graduate mock exam organized by Department of Transfusion Medicine, JIPMER during 9-10 February 2018.

Dr I S Chaitanya Kumar as Member of National Health Mission body framing guidelines on Blood Storage Centers.

38.0 DEPARTMENT OF UROLOGY

Professor & Head

Dr N.Anil Kumar

Faculty

Dr A. Tyagi
Dr Kalyan G

Dr S.V. Chaithanya
Dr K. Krishna Karthik

MCh PG Senior Residents

Dr Chilekampalli Konda Reddy
Dr Ravi Sankar Karupothula
Dr Manoj B
Dr A. Jai Babu

Dr Suraj Pinni
Dr Thushar Sharma
Dr Yagneshwar Sharma
Dr Naveen Goyal

Dr Goutham Krishna Reddy M
Dr Narendranath L
Dr Amit Kumar
Dr Ravinder Singh

38.1 Awards, Achievements and Felicitations

1. **Dr G. Kalyan**, was received **Vattikuti scholar 2018** from Vattikuti foundation at USA
2. **Dr K.Krishna Karthik**, was received **Gold medal** among Surgical superspecialies during year 2018 in 9th convocation.
3. **Dr Ch Konda Reddy**, was received **2nd prize in Quiz** at SZUSICON, Warangal during 10-12 August 2018.

38.2 Research Work

Theses submitted

1. Prasad P. Clinical study of donor site morbidity in buccal mucosal graft urethroplasty for urethral stricture disease (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
2. Suresh Goud S. Role of intravesical BCG immunotherapy in superficial bladder cancer (Cis, Ta, T1) -A prospective study at SVIMS (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
3. Krishna Karthik K. Complications of TURP:An observational study at SVIMS (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.
4. Rakesh D. A clinical study on correlation of non invasive diagnostic tests in evaluation and

management of patients with symptomatic benign prostatic hyperplasia (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2018.

Ongoing Thesis work

1. Ravi Shankar K. Role of silodosin in Expulsion of lower ureteric stones (MCh Thesis).
2. Konda Reddy Ch. Complications of Transrectal ultrasound guided prostate biopsy: A prospective observational study at SVIMS (MCh Thesis).
3. Jai Babu A. A comparative study of Bipolar Vs Monopolar TURP (MCh Thesis).
4. Manoj B. Evaluation of renal function after percutaneous nephrostomy or DJ stenting in calculus upper tract obstruction with renal failure (MCh Thesis).
5. Naveen Goyal. S.T.O.N.E. Nephrolithometry score as a tool to predict stone clearance rates in patients undergoing percutaneous nephrolithotomy (MCh Thesis).
6. Suraj Pinni. Study of factors predicting impacted nature of ureteric stones in patients undergoing ureteroscopy lithotripsy (URSL) (MCh Thesis).
7. Yagneshwar Sharma A. To evaluate the safety and efficacy of OTIS urethrotomy in patients undergoing transurethral resection of prostate gland (MCh Thesis).

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8. Tushar Sharma. A study the outcomes of renal function in patients of chronic kidney disease following percutaneous nephro lithotomy for symptomatic renal calculus disease (MCh Thesis).

Thesis work carried out in collaboration with other departments

Dr N.Anil Kumar, was **Co-guide** for the following thesis

1. Vishnu Prasad M. Diagnostic performance of prostate imaging reporting and data system version 2 (Pirads V 2) for detection of prostate cancer (MD Thesis).
 2. Prasanthi M. An observational study on computed tomography – Guided percutaneous nephrostomy (MD Thesis).
 3. Sai Krishnaja Reddy K. Utility of 177 Lutetium ethylene diamine tetra Methylene phosphonate in metastatic bone pain palliation therapy (MD Thesis).
 4. Varaprasad K G. usefulness of Dual-staining with á - Methylacyl CoA racemase (AMACR/P504S) & p63 Cocktail for the Detection of Prostate Carcinoma (MD Thesis).
 5. Harsha Vardhan M. Attenuation of hypotension associated with the induction dose of propofol: A randomized controlled trial comparing vasopressor doses of phenylephrine and mephentermine (MD Thesis).
 6. Venkatasrinivas M. Comparison of case of intubation with McCoy laryngoscope and CMAC videolaryngoscope in Modified Mallampati (MMP) grade III and grade IV patients (MD Thesis)
2. Advanced Hands on Laparoscopy Training at Taichung Veterans General Hospital, Taiwan during 8-10 June 2018.
 3. Advanced course in Laparoscopic Pelvic Urological Surgery at Chinese univeristy of Hong Kong during 25-26 October 2018.
 4. CUHK 10th Urology Symposium at Prince of Wales Hospital, Hongkong during 27-29 October 2018.
 5. Work Experience in Hand assisted laparoscopy at UHNM Hospitals, England, United Kingdom during 3-9 December 2018.

National

1. **Dr N.Anil Kumar, Dr K.Krishna Karthik, Dr S.Suresh Goud, Dr P.Prasad, Dr A.Jaibabu**, attended Annual Conference of the Urological Society of India (USICON) at Jaipur during 18 - 21 January 2018.
2. **Dr N.Anil Kumar, Dr A.Tyagi, Dr S.V.Chaitanya, Dr A.Yagneshwar Sharma, Dr Naveen Goyal**, attended SOGUS AP & TS Urology conference & Dr A.Tyagi was chaimen for 1st session (8.00am to 09.00am) at ongole during 10-11 November 2018.
3. **Dr A.Jaibabu, Dr K.Ravi Shankar, Dr Ch.Konda Reddy, Dr B.Manoj**, attended SZUSICON at Warangal during 10-12 August 2018.

38.4 Presentations by postgraduate students

Postgraduate students pursuing MCh (Urology) presented the following papers / posters at:

USICON at Mumbai during 18-21 January 2017.

1. Jaibabu A. Mixed Epithelial stomal tumour of kidney

SOGUS AP & TS held at Ongole during 10-11 November 2018.

1. Yagneshwar Sharma A. Percutaneous nephrolithotomy in Anamalous kidneys – 3 years single institution experience and Moderated Poster on Yagneshwar Sharma A. Impacted giant vesical stone : A rare case report.
2. Naveen Goyal – Bladder paraganglioma Masquerading as urothelial carcinoma.

38.3 Conferences attended, lectures delivered.

International

Dr G.Kalyan, attended the following

1. For Antegrade approach in management of renal calculi greater than 2 cm at Endoscopic stone surgery course in Seoul, South korea during 20-21 January 2018.

38.5 Publications

1. S Venkata Chaitanya, N Anil Kumar, B Satish, B Manoj, Konda Reddy. Codifying anterior UREThRAL strictures with urethral stricture score. International Journal of Contemporary Medical Research 2018;5(10):J1-J4.
2. N Anil Kumar, S Venkata Chaitanya, P Prasad, A Jai Babu, K Ravi Shankar. Genitourinary fistulas – our experience. International Journal of Contemporary Medical Research 2018;5(12):L1-L5.

38.6 CMEs conducted by the dept.

Nephrology, Urology & OBG departments conducted CME on Female genitourinary fistulas on 2nd June 2018.

38.7 CMEs/Seminars/Workshops attended

Dr N.Anil Kumar, attended the following

1. RIRS & Laparoscopy workshop at PREETI Hospital on 27th October 2018.
2. Transplant Conference at New Delhi during 8-9 December 2018

Dr G.Kalyan, attended the following

1. Hands on RIRS workshop at Hyderabad on 25th February 2018.
2. Advanced Hands on Laparoscopic Urology workshop conducted by Johnson and Johnson Institute at Chennai during 31st March -1st April 2018.
3. Indian Journal of Urology Peer review workshop at Hyderabad during 14-15 April 2018.
4. Robotic Surgeons council meeting (India) as vattikuti robotic scholar at Mussorie during 5-6 May 2018.
5. Urology Update CME conducted by Fortis Hospitals at Tirupati on 17th June 2018.
6. CME on Treating Gentio-Urinary Cancers at Hyderabad on 24th June 2018.

Dr N.Anil Kumar, Dr S.Venkata Chaitanya attended TRUS workshop at Hyderabad on 17th November 2018.

39.0 COLLEGE OF NURSING

Professor & Principal i/c

Dr P. Sudha Rani

Faculty

Dr A. Padmaja
Mrs. S.Swarna
Mrs. K. Varalakshmi

Dr M. Nagarathnam
Dr C. Usha Kiran
Dr S. Hemalatha

Dr M. Sreelatha
Dr M. Bhagya Lakshmi
Mrs. B. Kokilamma

Tutors

Mrs. V. Naganandini
Mrs. P. Christina Bharathi
Mrs. K. Gowri Devi

Mrs. B.M. Madhavi
Mrs. M. Lakshmi Devi
Mrs. P. Sumalatha

Mrs. P. Sreedevi Annapurna
Mrs. C. Pragasa Mary

39.1 Awards, achievements and felicitations

1. **M. Lakshmi** Devi received **1st prize** poster presentations on National Conference “Recent Advances in preventive pediatrics for Nursing at SVMC, Tirupati on 17th November 2018.
2. **P. Sumalatha** received 2nd prize poster presentations on National Conference “Recent Advances in preventive pediatrics for Nursing on 17th November, 2018 at Bhuvanavijayam Auditorium., SVMC, Tirupati.

39.2 Research Projects

Research Projects completed

1. **Principal Investigator:** Dr M. Nagarathnam. **Title:** Assessment of burden coping and quality of life in caregivers of patient with ESRD undergoing Renal Replacement therapies, 2017. **Self finding.**

Ongoing Research Projects

4. **Principal Investigator:** M. Nagarathnam. **Title:** Prevention of delirium among elderly intensive care patients at a tertiary care centre”. **Self finding**

39.3 Dissertation Work

Dissertation Submitted in 2018 by the MSc Nursing students

1. Jyothsna S. A Study to assess the knowledge regarding care of newborn on incubator among IV Yr B.Sc (N) students, at Tirupati.

2. Poornima P A study to assess the effectiveness of structured teaching programme on knowledge regarding Iodine deficiency disorder among mothers of under five children at selected Anganwadi centre, Tirupati.
3. Rekha K. A study to assess the effectiveness of structured teaching programme on knowledge regarding Bronchial Asthma among under five mothers at Tirupati.
4. Siresha A comparative study to assess the knowledge, attitude & practices on complementary foods among mothers of urban & rural areas, Tirupati.
5. Sravani A A study to assess the effectiveness of videotaped instruction on child CPR among third year B.Sc (N) students of CON, SVIMS, Tirupati.
6. Gracy R, A study to assess the effectiveness of structured teaching programme on knowledge regarding cord blood banking among female graduates at selected colleges, Tirupati.
7. Hemalatha S, A study to assess the effectiveness of structured teaching programme on health aspects Swatch Bharath mission among arts students at selected degree colleges, Tirupati.
8. Mounika M A study to assess the effectiveness of awareness programme on common child hood allergies among mothers at selected areas, Tirupati.

9. Sumithra R A study to assess the awareness regarding Malaria among house –inmates at selected urban slums, Tirupati.
 10. Usha Rani K, A study to assess the knowledge regarding Cataract among Diabetes mellitus clients attending Endocrinology OPD, SVIMS, Tirupati.
 11. Lalitha Kumari M A study to assess the factors associated with drug adherence among post Myocardial Infarction patients attending cardiology OPD, SVIMS, Tirupati
 12. Makarajyothi B. A study to assess the knowledge on common side effects & coping strategies among patients receiving radiation therapy in Radiation Oncology Ward, SVIMS, Tirupati.
 13. Manjula N. A study to assess the effectiveness structured teaching programme on Neonatal hypothermia among primi antenatal mothers at SVIMS Maternity, Tirupati.
 14. Shahidabee K A study to assess the effectiveness of planned teaching programme on prevention of post-operative pulmonary complications among pre-operative cardiothoracic patients, SVIMS, Tirupati.
 15. Shalem raj A study to assess the effectiveness of self instructional module on adverse effects of chemotherapeutic drugs and its home care remedies among patients receiving chemotherapy at Medical Oncology Ward, SVIMS, Tirupati.
 16. Gowthami S A study to evaluate the effectiveness of structured teaching programme on knowledge regarding Fibroid uterus among women at Gynecology OPD, SVIMS, Tirupati.
 17. Sunitha B, A study to assess the knowledge of mothers regarding mother to child transmission of HIV at Tirupati.
 2. Rambabu C. A study to assess the knowledge on shaken baby syndrome among care givers of young child in MCH center, Tirupati.
 3. Sesha Kumar K, A study to assess the knowledge on pediatric ventilator associated pneumonia (VAP) among nursing students at a selected college Tirupati.
 4. Veena Bai R, A study to assess the planned health teaching regarding knowledge and practices of katori and spoon feeding among a mothers of infants in pediatric ward at SVRRGG Hospital, Tirupati
 5. Swathi S, Assessment of stress and coping among caregivers of post operative cerebral palsy children at BIRRD Hospital, Tirupati
 6. Anil Kumar P, A study to assess the effectiveness of STP on infant and young child feeding (IYCF) practices among mothers of pediatric wards at SVRRGGH, Tirupati.
 7. Rupa B, A study to assess the knowledge on nursing informatics among nursing students at college of nursing, Tirupati.
 8. Roja G, A study to assess the effectiveness of skill training on PPE technique among B.Sc (N) students at Tirupati.
 9. Roja N A study to assess the level of knowledge regarding child abuse among the mothers attending selected anganwadi centre, Tirupati.
 10. Sandhyarani S A study to assess the effectiveness of structured teaching programme regarding food taboos among primy mothers attending MCH center, Tirupati
 11. Sreevani G.H. A study to assess the impact of vedio assisted teaching programme as knowledge regarding 5 'f's of disease transmission among school children from selected schools of Tirupati.
 12. Deepthi K. To assess lived in experiences of coronary angiography patients in SVIMS, Tirupati.
 13. Leela Lavanya T. A study to assess the skill training on prevention of needle stick injury (NSI) among B.Sc Nursing students at College of Nursing, SVIMS, Tirupati.
- Ongoing Dissertation work in 2018 by the MSc Nursing students**
1. Leelavathi A. A study to assess the level of anxiety and coping straggles regarding pubertal changes among preadolescent girls in selected schools at Tirupati.

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14. Ashalatha D, A study to assess the knowledge of caregiver on home care management of peritoneal dialysis at SVIMS, Tirupati.
15. Ithihasa M. Assessment of knowledge on risk factors of renal calculi among female students in selected engineering college, Tirupati.
16. Vijay P A study to assess the knowledge of men school teachers on prostate cancer at selected Govt. schools, Tirupati.
17. Anusha S A study to assess the knowledge on risk factor's of Gastric cancer among caregivers attending to oncology outpatient departments, SVIMS, Tirupati
18. Sushmitha M "A study to assess the knowledge regarding decreasing child sex ratio and attitude towards the gender preference among pregnant mothers and family members in selected health centers, Tirupati.
19. Sunanda P "Assess the self care practices of postnatal mothers who underwent LSCS in SPMCM, Tirupati.
20. Sailaja P Effect of structure teaching programme on folic acid implements in prevention of congenital anomalies among undergraduate students at selected college, Tirupati.
21. Sumalatha S. A study to assess the quality of life among Gynecological oncology patients at SVIMS OPD, Tirupati.
22. Dhanusha S "A comparative study to assess the effect of different maternal positions during non stress test (NST) on maternal and foetal bio-physiological parameters among antenatal mothers in antenat OPD, SPMC, Tirupati.
23. Divya Sree V. A study to assess the reproductive health practices and quality of life of higher secondary adolescent school girls in selected colleges, Tirupati.
24. Uhaa M. A study to assess the effectiveness of structure teaching programme on prevention of substance abuse among adolescents at selected schools in Tirupati.
25. Jhansi Ramani K, Relationship between emotional intelligence of self esteem among B.Sc (N) I Year students, CON, SVIMS, Tirupati.
26. Kanmani S, A Study on knowledge and attitude among family members of the patients undergoing electro convulsive therapy (ECT) at SVIMS, Tirupati.
27. Nayaz Shaik A study to assess the nomophobia mobile phone dependency among the adolescents in selected college of tirupati.
28. Kalpana. T, Assessment of knowledge on self syndrome among adolescence in selected colleges, Tirupati.
29. Leela K. A study to assess the knowledge on refractive errors and related risk factors of 6 – 12 years school children.

Thesis work done in collaboration with other organizations

Dr A. Padmaja as Guide for the following thesis

Theses submitted

1. **Utalbasha N Dhandargi**(Reg. No. 13xNo12) : "A comparative study to evaluate the effectiveness of glycine max fortified mixture versus Hyderabad mixture on health status of under-five children with malnutrition at rural areas of selected district in north Karnataka", submitted to National consortium, Indian nursing Council, New Delhi, Sept. 2018.

Ongoing Thesis work

1. S.K. Mohana Sundari, "A Study to assess effectiveness of music therapy and visual imagery techniques versus conventional interventions on preoperative anxiety among children undergoing surgeries in selected hospitals of Rajasthan" under National Consortium, Indian Nursing Council, New Delhi, March, 2017.
2. Mrs. K. Kavitha., "Impact of SCOPE (Supporting, Coping strategies, ongoing assessment, prevention

of complications, and empowerment) program on HRQOL at selected hospitals of North Karnataka”. Under National Consortium, Indian Nursing Council, New Delhi, March, 2016

39.4 Conferences attended, lecturer delivered

Dr P. Sudha Rani, attended the following

1. Continuing Nursing Education programme on International Research in Nursing for Infection Control” at SVIMS, Tirupati on 30th January 2018.
2. Invited as resource person in 3rd National Level Conference on “Infectious Diseases: Public Health Challenges and delivered Lecturer on “Legal and Ethical Aspects in Infection Control” at ES College of Nursing, Villupuram on 6th January 2018.
3. Invited as resource person in III National Nursing Conference on “Promotion Public Health Many facts of a single Discipline” and delivered lecturer on “Legal and Ethical Consideration in Community Health Nursing” at Sri Narayani College of Nursing, Thirumalaikodi, Vellore on 3rd February 2018.
4. Invited as a Resource Person on ICMR National Seminar on Vicissitudes of Normal Aging Elderly Care; A Neuro psychological Perspective” and delivered lecturer on “Geriatric Health Nursing, Scope, Issues, Dilemma’s and challenges” at Indira Priyadarshini Auditorium, SPMC (Womens), Tirupati on 21st April 2018.
5. Attended International Conference on Lymphedema at Sri Padmavathi Auditorium, SVI MS, Tirupati on 8th April 2018.
6. A National conference on “An Update-Recent advances in Peadiatric Nursing” at Bhuvanavijayam Auditorium, SVMC, Tirupati on 17th November 2018.

Dr A. Padmaja, attended the following

1. Continuing Nursing Education programme on International Research in Nursing for Infection Control” at College of Nursing, SVIMS, Tirupati on 30th January 2018.
2. A National conference on “An Update-Recent advances in Peadiatric Nursing and presented a

paper as a Resource person on “Recent advances in pediatric Nursing Education, practice and Research” on 17th November 2018.

Mrs. K. Varalaksmi, Mrs S. Swarna, Dr M. Nagathnam, Dr C. Usha Kiran, Dr M. Sreelatha, Dr S. Hemalatha, Mrs. B. Kokilamma, Dr M. Bhagya Lakshmi, Mrs P. Christina Bharathi, Mrs V. Naganandini, Mrs. K. Gowri Devi, B.M. Madhavi, Mrs. M. Lakshmi Devi, Mrs. P. Sumalatha, P. Sreedevi Annapurna, Mrs. C. Pragasa Mary, Mrs. M. China Nagendram, Mrs. K. Bujji, Mrs. V. Karpugam, Mrs. D. Reddemma, Mrs. A. Shobha Rani, attended the following

1. Continuing Nursing Education programme on International Research in Nursing for Infection Control” at College of Nursing, SVIMS, Tirupati on 30th January 2018.
2. Participated National Seminar on Vicissitudes of Normal Aging Elderly Care ; A Neuro psychological Perspective” at Indira Priyadarshini Auditorium, Sri Padmavathi Mahila Viswavidyalam (Womens), Tirupati on 21st April 2018.
3. National conference on “An Update-Recent advances in Peadiatric Nursing” held at Bhuvanavijayam Auditorium, SVMC, Tirupati on 17th November 2018 and presented papers on:
 - Assess the effectiveness of structured teaching programme on prevention of neonatal hypothermia among primi antenatal mothers of SVIMS.
 - Effectiveness of STP on knowledge regarding maternal prenatal and genetic influences on development of fetal defects and diseases among adolescent girls at Sri Padmavathi women Degree College, Tirupati and poster presentation on Recent advances in preventive pediatrics.
 - A Study to assess the knowledge attitude and practices regarding breast feeding techniques among primi mothers.
 - A study to assess the knowledge on prevention of diarrhoeal diseases among mother’s of : under five children” at selected Aganwadi Centers, Tirupati and poster presentation on Advanced techniques in neonatology Nursing.

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- Level of knowledge regarding prevention of home accidents among mothers of under five children attending MCH center, Tirupati.
- A Comparative study to assess the nutritional status among preschool children attending Anganwadi centres of selected urban and rural areas of Tirupati.
- A study to assess the effectiveness structured teaching programme on selected behavioural problems of childrens among primary school teachers in primary schools.
- To assess the effectiveness of awareness programme on common child hood allergies among mothers at selected areas.
- Presented poster on Recent advances in minimal invasive surgery of children – a role of nurse.
- To Assess knowledge and knowledge on practices regarding home care management of low birth weight babies among postnatal mother.
- Presented a poster on Advanced techniques in neonatology Nursing” in National Conference at SVIMS.
- Assess the common health problems among children of age group 5-15 years and presented poster on Recent advances in new-born care.

Mrs S. Swarna, attended the following

1. Workshop on Faculty Development Programme (Innovative techniques in Teaching) organized by College of Physiotherapy, SVIMS, Tirupati during 17-18 December 2018.
2. National UGC Seminar on “Impact of Climate change on women’s health and presented paper on “Strengthening Women on Environment towards Sustainable Lifestyle” by the Department of Women Studies, SPMVV, Tirupati during 28-29 December 2018

Dr C. Usha Kiran, Dr M. Sreelatha, attend the following

1. International Conference on Lymphedema at Sti Padmavathi Auditorium, College of Physiotherapy , SVI MS, Tirupati on 8th April 2018.

2. CME on Platelets: Bench to Bed-side at SVIMS, Tirupati on 27th November 2018.

Dr S. Hemalatha, Dr M. Bhagya Lakshmi, attended the following

1. Participated International Seminar on “Contemporary trends in health psychology; role of psychologists” and presented paper on “A study to evaluate the effectiveness of psycho education regarding anxiety reduction among care givers of cancer patients at SVIMS, Tirupati” organized by Dept. of Psychology, SV University, Tirupati on 3rd March 2018.
2. International Conference on Lymphedema at Sti Padmavathi Auditorium, College of Physiotherapy , SVI MS, Tirupati on 8th April, 2018
3. 1st National Conference on “Concepts, competencis and challenges in Nursing Education” and presented paper on “Transformation in instructional strategies” organized by Madras Medical College, Chennai on 6th June 2018.
4. Workshop in Child Psychiatry, organized by department of psychiatry, SVMC, Tirupati.
5. Workshop on “Development of counseling skills organized by Inspire professional psychologists society of India and Rastriya Sanskrit vidya Peetha, Tirupati.
6. Workshop on Faculty Development Programme (Innovative techniques in Teaching) organized by College of Physiotherapy, SVIMS, Tirupati during 17-18 December 2018.

Mrs B. Kokilamma, attended SVIMS Silver Jubilee Laaparoscopic oncosurgical workshop organized by Surgical Oncology during 23-24 February 2018.

Mrs P. Christina Bharathi, attended a National conference and paper presented “A study to assess the effectiveness of health education on prevention of burns and sdy complications among mothers of under fives admitted in pediatric ward burns unit at SVRRGG Hospital, Tirupati” at Narayana College of Nursing, Nellore.

B.M. Madhavi, Participated in the

1. National Seminar on “Vicissitudes of Normal aging – Elderl care A neuro psychological perspective conducted at Sri Padmavathi Visvavidyalayam women’s university, Tirupati on 21st April 2018.
2. 5th National Conference of World Association for psycho social rehabilitations June 2018 at S.V. Medical College, Tirupati

P. Sreedevi Annapurna, attended the following

1. SVIMS Silver Jubilee Laaparoscopic oncosurgical workshop organized by Surgical Oncology during 23-24 February 2018.
2. National Seminar “Bench to bed side conducted by the Department of Biochemistry on 27th November 2018.

39.5 Publications

1. Utlbasha N. Dhandargi, Padmaja A. Comparing the effectiveness of glycine Max fortified mixture (GMFM) and Hyderabad Mixture (HM) on Nutritional tatus of Malnourished children in rural area. *Int. J.curr. Res. Aca Rev.* 2018; 6(1);30-4.
2. Mohana sundari K, Padmaja A. Current updates on child morbidity and mortality rates: 2011-2017. Review article, community and public health nursing 2018; 3 (1):13-8.
3. Kavitha K, Padmaja A. Comprehensive nursing strategies for coping with chroni illness in children. *Int, J,curr.Adv Reas.* April 2018; 7(4)F :11692-8.
4. Annammreddi Leelawathi, Padmaja A. STP on intervention of Burns and scalds wound healing among mothers of under fives. *Int. J. Ped. Nur* 2018;4(2):151-3.
5. Mohana Sundari SK, Padmaja A. A study to assess perceived stress level among care givers of child with major Thalacemia in selected hospital, Rajastha. *Int J Ped Nus* 2018; 4(2):126-30
6. Reskha K, Padmaja A. A study to assess the effectiveness of structured teaching programme on knowledge regarding bronchial Asthma among mothers of under five children in selected hospitals, Tirupati. *IOSR- JNHS* 2018;7(4):67-72.

7. Sravani A, Padmaja A. A study to assess the effectiveness of videotaped instruction on childCPR among thirds year B.Sc Nursing students, College of Nursing, SVIMS, tirupati. *IOSR-JNHS* 2018;7(4): 16-20.
8. Mohana Sundari SK, Padmaja A. Evidence based practice – a core concept to achieve quality of nursing care. *IJNER*2018;6(3):295-8.
9. Poornima P, Padmaja A. A study to assess the effectiveness of structured teaching programme on knowledge regarding prevention of Iodine deficiency disorder among mothers of underfive children at selected Anganwadi center, Tirupati, *IOSR – JNHS* 2018;7(4): 840-89.
10. Jyosna S, Padmaja A. A study to assess the knowledge regarding care of New born on incubator among fourth year B.Sc Nursing students, Tirupati. *IOSR – JNHS* 2018;7(5):30-4.
11. Sireesha N, Padmaja A. A comparative study to assess the knowledge, attitude and knowledge on practices regarding complementary foods among mothers of infants between urban and rural areas at Tirupati, Chttoor (D), India. *IOSR – JNHS* 2018;7(5):56-9.
12. Pamaja A. Evidence based practice – A core concept to achieve quality of nursing care. *SVIMS Chronicle* 2018;1(4):4.

Review Articles

13. Mohana Sundari SK, Padmaja A. Visual imagery technique in caring for children” imagination is more powerful than knowledge – by Albert Eistein. *IJANM* 2018; 6(3):263-86.
14. Mohana Sndari SK, Padmaja A. Music therapy in caring for children. Music can change the world because it can change the people – by Bono. *IJ Ped N* 2018;4(3):187-94.
15. Gowthami S, Swarna S, Usha Kiran C. A study to evaluate the effectiveness of structured teaching programme on knowledge regarding Fibroid uterus among women at Gynecology OPD, SVIMS, Tirupati. *IOSR, JNHS* 2018;7(5):36-9 doi :10-9790/1599-0705083839.

16. Nagarathnam M. Perceptions on epilepsy stigma among attendants of patients other than epilepsy. JNTR University Health Sciences 2018;7:190-5.
17. Nagarathnam M. Effective of planned teaching programme on prevention of post operative pulmonary complication among pre-operative cardiothoracic patients at tertiary care center of AP IOSR. Journal of Nursing and Health Sciences 2018;7(5):85-9.
18. Manjula N, Varalakshmi K, Usha Kiran C A study to assess the effectiveness of structured teaching programme on prevention of neonatal hypothermia among primi antenatal mothers at SVIMS, SPWC (W) Hospital, Tirupati., Journal Nursing and health Sciences 2018; 7: 58-61.
19. Srivalli D, Usha Kiran C, Tirupati Rao P, A comparative study of Johnson's formula and Material anthropometric measurements for estimation of fetal weight and their correlation with birth weight among term pregnant mother's in antenatal ward at Government hospital, Tirupati. J Academic research and Development 2018; 3: 429-34.
20. Sreevidya U, Usha Kiran C, A Comparative study to assess the comfort of patients who had undergone maginal and abdominal hysterectomy during post operative period of government maternity hospital, Tirupati. J Nurses of India 2018; 19: 4-5.
21. Manjula N, Varalakshmi K, Usha Kiran C A study to assess the effectiveness of structured teaching programme on prevention of neonatal hypothermia among primi antenatal mothers at SVIMS, SPWC (W) Hospital, Tirupati., Journal Nursing and health Sciences 2018;7:58-61.
22. Sunitha B, Usha Kiran C, Varalakshmi K A study to assess the knowledge regarding mother to child transmission of HIV among antenatal mothers at MCH Centre, Tirupati. Journal Nursing and Health Science 2018;7:27-30.
23. Usha Rani K, Sreelatha M Sudha Rani P, A study to assess the knowledge regarding ceteract among Diabetes mellitus patients attending endocrinology OPD, SVIMS, Tirupathi. IOSR J Nursing ad Health Sci 2018;7:39-42.
24. Sumithra R, Sreelatha M Sudha Rani P Assess the awareness regarding malaria among house inmates at selected Urban slum tirupati. Journal Nursing and Health Science 2018;7:25-7.
25. Mounika M, Sreelatha M, Sudha Rani P. A study to assess the effectiveness of awareness programme on common childhood allergies among mothers of selected areas, tirupati. Journal nursing and health Sciences 2018;7:28-31.
26. Grasy R Kokilamma B Sudha Rani P Sreelatha M. A study to assess the effectiveness of structured teaching programme on knowledge regarding blood banking among female graduates at a selected colleges, Tirupati. Journal nursing and health sciences 2018;7:24-7.
27. Kokilamma B Hemalatha S Sudha Rani P, Sreelatha M. A study to assess the effectiveness of structured teaching programme on knowledge regarding health aspects of Swatchh Bharat Mission among arts students at SPW Degree College, Tirupati, Journal Nursing and health Sciences 2018; 7: 32-35.
28. Kiranmayi, Hemalatha S, Bhagya Lakshmi M A study to assess the prevalence of attention deficit hyperactivity provolence among school children attending primary schools in tirupati. Int J Health Sci Res 20182018;8(11):144-53.
29. Kiranmai K, Hemalatha S, Bhagya Lakshmi M. A study to assess the empowerment of women living in urban areas of Tirupati, AP, India. Int J Health Sci Res 2018;8(12):109-15.
30. Snehalatha R, Bhagya Lakshmi M, Hemalatha S. A study to assess the effectiveness of structured teaching programme on knowledge regarding alcohol use and its harmful effects among high school children at municipal corporation school in Tirupati. Int J Health Sci Res 2018;7(12):415-6.
31. Bhagya Lakshmi M Sravani M, Hemalatha S, Effectiveness of psycho education regarding acxicity reduction among care givers of cancer patents: A Pre experimental study, International Journal of Pharmaceutical Research and Bio sciences 2018; If 567, ISSN: 2277-8713, Vol 7(%), 13-20.

32. Divya J, Hemalatha S, Bhagya Lakshmi M, A Study to determine the effectiveness of romini science therapy on the level of depression among order adults in selected old age home at Tirupati. International Journal of Sciene and Research, 2018; ISSN:2319- 7064, 2015 78-96, IF 6:391.
33. Kokilamma B, A study to assess the effectiveness of structured teaching programme on knowledge regarding health aspects of Swattch Bharath Mission among arts students at SPW Degree College, Tirupati IOSR – JNHS 2018.
34. Grasy R Kokilamma B Sudha Rani P Sreelatha M. A study to assess the effectiveness of structured teaching programme on knowledge regarding blood banking among female graduates at a selected colleges, Tirupati. Journal nursing and health sciences 2018;7:24-7.
35. Hemalatha S, Kokilamma B Sudha Rani P, Sreelatha M, A study to assess the effectiveness of structured teaching programme on knowledge regarding health aspects of Swatchh Bharat Mission among arts students at SPW Degree College, Tirupati. J Nur Health Sci 2018;7:32-5
36. Kiranmayi, Hemalatha S, Bhagya Lakshmi M. A study to assess the prevalence of attention deficit hyperactivity provolence among school children attending primary schools in tirupati. Int J Health Sci Res 2018;8(11):144-53.
37. Kiranmai K, Hemalatha S, Bhagya Lakshmi M A study to assess the empowerment of women living in urban areas of Tirupati , AP, India, Int J Health Sci Res 2018;8(12):109-15.
38. Snehalatha R, Bhagya Lakshmi M, Hemalatha S A study to assess the effectiveness of structured teaching programme on knowledge regarding alcohol use and its harmful effects among high school children at municipal corporation school in Tirupati. Int J Sci Res 2018;7(12):415-6
39. Bhagya Lakshmi M Sravani M, Hemalatha S, Effectiveness of psycho education regarding acxicity reduction among care givers of cancer patents: A Pre experimental study. International Journal of Pharmaceutical Research and Bio sciences 2018; If 567, ISSN: 2277-8713, Vol 7(%), 13-20.
40. Divya J, Hemalatha S, Bhagya Lakshmi M. A Study to determine the effectiveness of romini science therapy on the level of depression among order adults in selected old age home at Tirupati. Int J Sci Res 2018;ISSN:2319- 7064, 2015 78-96, IF 6:391.

39.6 CNEs/Seminars conducted by the Dept.

1. Conducted CNE on “**International Research in Nursing for Infection Control**” on 30th January 2018.
2. Conducted National Conference on “**An Update-Recent Advances in Pediatric Nursing**” on 17th November 2018.

39.7 Other Academic activities of Significance

1. I Year M.Sc (N) students participated CPR training programme at TTD administrative building during 18-20 January 2018.
2. I & II M.Sc (N) & IV Year B.Sc (N) attended Mega Medical Camp and voluntary Blood Bank camps on 04-02-18, 27-04-18, 14-06-18
3. I Year M.Sc (N) student participated CPR training programme at Seven Hills College of Nursing & SVU College, Mahathi Auditorium, Tirupati on 04-02-18, 21-02-18 & 22-02-18, 26-02-18, 06-04-18, 26-07-18 to 30-07-18, 24-10-18, 06-11-18, 12-12-18, 13-12-18, 18-12-18 to 26-12-18
4. I,II, III & IV Year B.Sc (N) boys students participated Confest College of nursing at CME, Vellore from 15-02-18 to 17-02-18
5. I & II Year M.Sc (N) students are attended World Kidney day on 08-03-18
6. III & IV Year B.Sc (N) students ate participated pulse polio duty from 11-13 March 2018.
7. I Year M.Sc (N) students attend pulse polio duty at Tirumla on 11th March 2018.
8. I Year M.Sc (N) students attend NABH Fire safety class on 21st March 2018

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9. I & III Year B.Sc (N) & I Year M.Sc (N) students participated workshop on “Global competition at SV. University, Tirupati on 4th August 2018.
10. I Year B.Sc (N) students participated population couple programme conducted S.V. University, Tirupati on 9th August 2018.
11. II & IV Year B.Sc (N) students attend organ donation day at Mahathi Auditorium, Tirupati at 10th August 2018.
12. I B.Sc (N) & I M.Sc (N) students attended wellness enrichment programme on 10th August 2018
13. IV Year B.Sc (N), I & II M. Sc Nursing students attended Tirumala duties during 25-04-2018 to 15-06-2018.
14. IV Year B.Sc (N) students attended Medical Camp at Tirumala for Sri vari salakatla Bramhostavam during 13-21 September 2018.
15. E. Shoba Rani, N. Poojitha, R. Kumar , v. Neeraja, S. Shareefa B.Sc (N) students participated South Zone Inter University Volley Ball Tournament 2018 at KL University, Vijayawada during 26-29 October 2018.
16. M. Moshi, G. Ganga Prasad, T. Hanumanth Rao, Ramu, G. Ravi Kumar B.Sc Nursing students participated Volley Ball (men) CMS conference, Vijayawada during 1-10 November 2018
17. II M.Sc (N) Community Health Nursing students are Participated World Diabetes Day on 14th November 2018.
18. D.Jayaram, M. Eswar Reddy, S. Abubakar Siddik, H. Yashwanth Reddy, B. Sravani, C. Swathi, P. Gowthami, N. Poojitha, Rothithanjali – students are participated Athletic for Men & women, Acharya Nagarjuna University during 15-17 November 2018.
19. All Students attended National Conference on Update Recent advances in Paediatric Nursing on 17th November 2018.
20. H. Yeshwath Reddy, M. Eswar Reddy, S. abubakar Siddik, B. Sravani, C. Swathi, P. Gowthami, N. Poojitha participated AIIVAC for Men & Women organized by Magalore University during 22-29 November 2018.
21. I Year M.Sc (N) & IV Year B.Sc (N) students attended Tirumala Duties Vaikunta Ekadasi, Tirumala during 16-20 December 2018.
22. S. Mohammad Ali, G. Ganga Prasad, T. Arun Kumar Reddy, T. Hanumanth Rao, Y. Karthi Reddy, T.S. S. Sai Kumar participated State level Inter University Cricket for Men at Sri Krishna Devaraya University, Ananthapuram during 21-31 December 2018.
23. B.Sc (N) & M.Sc (N) students participated World Aids Day Rally on 1st December, 2018
24. Amethure Placement Company for Medical transaction, Medical scribing, and Medical coding conducted Campus Interview in August, 2018 for IV Year B.Sc (N) students > 60 % of students were selects
25. PES, Kuppam, conducted campus interview in August, 2018 for IV Year B.Sc (N) students > 60 % students were selected

40.0 COLLEGE OF PHYSIOTHERAPY

Professor & Principal i/c

Dr K. Madhavi

Faculty

Dr A.Viswanath Reddy
Dr V.Srikumari

Mr C. Shanthi
Mr K. Senthil Kumar

Tutors

Mr C. Govardhan
Ms N. Kavitha

Mr M. Suresh Kumar
Ms G. Kameswari

Mr S. Raghava Krishna

40.1 Awards, achievements and felicitations

1. **Dr K.Madhavi, Professor and Principal i/c**, received **meritorious certificate** from Chittoor District Collector on 26.01.2018 on the occasion of 69th Republic Day, 2018.
2. **Dr C.Shanthi**, Assistant professor of physiotherapy, received “**Marry Mac Million Award**” at themyolerabad physio foundation, India, Hyderabad, 16th September, 2018 organised by IAP.
3. **Dr C.Shanthi, Dr V.Srikumari**, Assistant Professors received “**Best Teacher Award**” at the International physiotherapy conference THERACON’2018 at Salem on 16th September 2018 organised by IAP.
4. **Dr V.Srikumari**, Assistant professor of physiotherapy was Received “**Professional Excellence Award**” in the field of physiotherapy in India at 1st World Physiotherapy Congress at Vaagdevi College of physiotherapy, Warangal on 28th March 2018.
5. **Dr K.Madhavi, Dr A.Viswanath Reddy, Dr C.Shanthi, Dr V.Srikumari**, faculties of physiotherapy, received “Appreciation for chairing a session in the Alumni day academic programme” conducted by SVIMS on 25th February 2018 in SVIMS silver jubilee celebrations.

40.2 Research projects

1. A project sanctioned by department of social justice and empowerment (Scheme for implementation of persons with disability act, SIPDA) granted for 50

lakhs and is under process. Two Urinals constructed under SIPDA scheme. at SVIMS main entrance pathway.

Ongoing Research Project

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.
2. **Principal Investigator:** Dr A.Viswanath Reddy. **Title:** A comparative study on the effective of paraffin wax therapy with manual mobilization versus ultrasound therapy with manual mobilization on pain, range of motion and functional status of shoulder in diabetic subjects with adhesive capsulitis..

40.3 Research Work

Thesis submitted

1. **Senthil Kumar K.** Assistant Professor, 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.

Dissertation submitted by MPT Students

1. SwapnaKumari K. Effectiveness of interval walking and continuous walking training on glycemic control in people living with T2 DM
2. Prasad C. Effectiveness of TENS in pain and range of motion in total mastectomy patients .

3. Bindhu P. Efficacy of smart phone apps influence of digital technology to enhance the motivation and physical activity in adults.
4. Kiranmai PV. Effect of electrical stimulation and TENS on wrist flexors spasticity and hand function in subjects with stroke.
5. Jalaja D. Effect of PNF on circumductory gait functional mobility in hemiparetic patients with stretchings.
6. Hema P. To find out the proprioceptive based training on bilateral upper limb in stroke.
7. Yamuna A. Effectiveness of scapulothoracic and glenohumeral mobilizations on pain and range of motion in diabetic PA shoulder.
8. Triveni T. Effectiveness of electrical stimulation and muscle energy technique on extensor leg following TKR subjects.
9. Saddam Hussain Sk. Effect of mobilizations and resistive exercise on functional performance, pain in osteoarthritis of knee individuals.
10. ChinnaVengaiah B. Effect of therabands exercise and free weight resistance training on strength of rotators in badminton players.
11. Vyshnavi: To find out the association between Treadmill and Stationary cycle on Vo2 max.
12. Jessiekamal J. Effectiveness of multi Gym Vs conventional resistance training for knee and ankle musculature on strength and jump performance in male basket ball players.
4. Himabindu K. Comparison of kinesiology taping versus arm sling on shoulder subluxation and shoulder function in subjects with sub acute stroke patients.
5. Rabiya Sk. A comparative study of spring assisted kinesiotaping technique and ankle eversion kinesiotaping technique on dynamic balance and gait velocity in chronic stroke patients with foot drop.
6. Vyshnavi. Effect of neural mobilization on pain and functional activity of lower limb in subjects with piriformis syndrome.
7. Ramya Krishna. To study the effects of neural mobilization on median and ulnar nerve on neural flexibility far desktop workers .
8. Siva Harish N. Effectiveness of hip and knee strengthening Vs knee strengthening alone on pain, range of motion and functional activity in patellafemoral pain syndrome individuals – Randomized control trail (RCT).
9. Sruthi P. Influence of abdominal strength on pelvic angle and quality of life in subjects with mechanical back ache.
10. Nagarjuna K. Effects of ballistic training versus Nordic hamstring curls on sprint performance in recreational sprinters .
11. Navya Sri A. Effects of core stability exercises and suryanamaskara on balance in female badminton players.
12. Teja P. Effectiveness of sprint versus plyometric training on the strength of knee musculature and agility in collegiate male cricket players.

Ongoing Dissertation work

1. Anjani S. Effect of teletherapy on glycemic control, physical activity and quality of life in type-2 diabetes mellitus individuals.
2. Charan Kumar PR. To study the efficacy of chair aerobic exercises on cognitive functions, physical activity and quality of life in geriatric population.
3. Sarada. To study the efficacy of aerobic exercises and yoga asanas on pain, menstrual distress, physical activity in subjects with primary dysmenorrheal.

40.4 Conferences attended, lectures delivered

Dr K.Madhavi, has delivered a lectures and presented papers on

1. Multi disciplinary approaches to enhance sports performance in players” in ASC, S.V.University, Tirupati on 27th February 2018.
2. Vocational skills training in health professionals – a challenge in the society. In National conference organised by S.V.University, Tirupati and SIRL

(AKMED) and DACE during 20-21 April 2018.

3. Work related problems in desk workers the remedies, precautions and exercises for work related problems in computer professionals” organised by IAP, COP, SVIMS. on 5th August 2018.
4. Role of physiotherapy in health” a conference organised by S.V.University, on 16th November 2018.
5. Leadership-barriers and influences for women” at S.V.Engineering Colleges, Tirupati on 17th November 2018.

Dr C.Shanthi, has presented a papers on

1. “Musculoskeletal changes during pregnancy. Organised by Physio Foundation of India, Telangana on 22nd July 2018.
2. “A study to compare the carrying angle in dominant and non dominant limb women in between age group of 18-22 years. Organised by Vinayaka Missions Tamil Nadu on 16th September 2018.

Dr C.Shanthi, Dr V.Srikumari, Mr. C.Govardhan, has attended the International physiotherapy conference THERACON’2018 at Salem on 16th September 2018 organised by IAP.

40.5 Publications

2. Swapna Kumari, Madhavi K, Suresh Kumar K. Effectiveness of interval walking and continuous walking training on glycemic control in people with type 2 diabetes mellitus”. Int Educat Sci Res J 2018;4:8.
3. Prasad C, Madhavi K, Asha Jyothi K. To study the effectiveness of pneumatic compression therapy on upper limb edema, shoulder function in post radical mastectomy individuals” Int Educat Sci Res J 2018;4:8.
4. Bindhu, Madhavi K. Efficacy of smart phone apps influence of digital technology to enhance the motivation and physical activity in adults” Int Educat Sci Res J 2018;4:8.
5. Vyshnavi P, Viswanath Reddy A, Madhavi K. Effect of aerobics Versus indoor cycling on cardio respiratory endurance in over weight and obese

female subjects. Int Educat Sci Res J 2018;4:8.

6. Vengaiah BC, Viswanath Reddy A, Madhavi K. Effect of theraband resistance training Vs. resistance training using dumbbells on the strength of rotator cuff muscles in male recreational badminton players. Int Educat Sci Res J 2018;4:8.
7. Yamuna A, Shanthi C, Madhavi K, Triveni T, Saddam Hussain S. The impact of smart phone addiction among young people on the neck posture in college students” Int Educat Sci Res J 2018;4:8.
8. Triveni, Shanthi C, Senthil Kumar K, Raghava Krishna S, Madhavi K. Effectiveness of electrical stimulation and muscle energy technique (METs) on pain, peak torque of extensor lag in total knee replacement subjects”. Int Educat Sci Res J 2018;4:8.
9. Yamuna A, Senthil Kumar K, Raghavakrishna, Madhavi K. Effectiveness of Scapular and glenohumeral mobilization on and range of motion and shoulder disability in subjects with periarthritis of shoulder. Int Edu Sci Res J 2018 E-ISSN No: 2455-295X, 4:8.

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

1. Workshop on Faculty development programmes by Dr Narasimhan, SRMC, Chennai at College of physiotherapy, SVIMS during 7-8 December 2018.
2. WorkshopoCo-relation of physiotherapy techniques with cardio-respiratory and vascular conditions, by Dr Venkatesh, PhD, SRMC, Chennai, at College of physiotherapy, SVIMS, Tirupati during 3-5 October 2018.
3. CME on “Management and marketing skills” on 14th March 2018.
4. Orientation programme throughout the year at SVETA, TTD.
5. CME on behalf of Women cell of Indian Association of Physiotherapy on 05.08.2018 at Sri Padmavathi Auditorium, SVIMS, Tirupati.
6. A guest lecture was organised by College of

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- physiotherapy by Dr Venkatesh SRMC, PT Chennai on “Clinical reasoning and the treatment strategies in cardiorespiratory conditions” during 3-5 October 2018.
7. A guest lecture was organised by College of physiotherapy by Dr Anupama, Clinical psychologist, Tirupati on “Life skills management” on 10th September 2018.
 8. A guest lecture was organised by college of physiotherapy by Mr. Rohit Verma, from IISM Management and marketing skills of clinic, Mumbai on “Management and marketing skills to establish a clinic” at SPMC(W) on 14th March 2018.
 9. Training programme: The training program conducted for college of physiotherapy students on the topic “Hand Hygiene & Biomedical waste management” @ 11:00 am to 12:00 noon from 07.03.2018 to 17.03.2018 in the seminar hall, College of physiotherapy. Classes taken by: Mrs. Reddemma, Mrs. Bayamma, Mrs. Shobharani, Dr R. Jayaprada, Dr N. Ramakrishna and Mrs. Karpugam.
 10. College of physiotherapy, SVIMS and Grace Physiotherapy & Rehab Center, Chennai was jointly organised international Conference on Lymphedema on 08.04.2018 in Padmavathi Auditorium, SVIMS, Tirupati.
 11. Workshop was organised by college of physiotherapy on “Neuro rehabilitation on neuro plasticity, evaluation and treatment of multifactorial balance dysfunction” by Dr Asha Gummadi, PT, NS. Neurological specialist CKPT, neuro registered practitioner USA., USA Alumni of SVIMS. From 02.02.2018 to 05.02.2018.
 12. Dr C. Shanthi, Assistant Professor and IAP women district co-ordinator, has organised physiotherapy camp at Sreesh Mandiram, Tirupati on 23.11.2018 on behalf of IAP.
 13. Dr K. Senthilkumar, Assistant Professor has organised the conference on Lymphedema on 08.04.2018 at SVIMS, Tirupati.
 14. College of physiotherapy organised world physiotherapy day 08.09.2018 in college of physiotherapy and conducted awareness programme on physiotherapy.

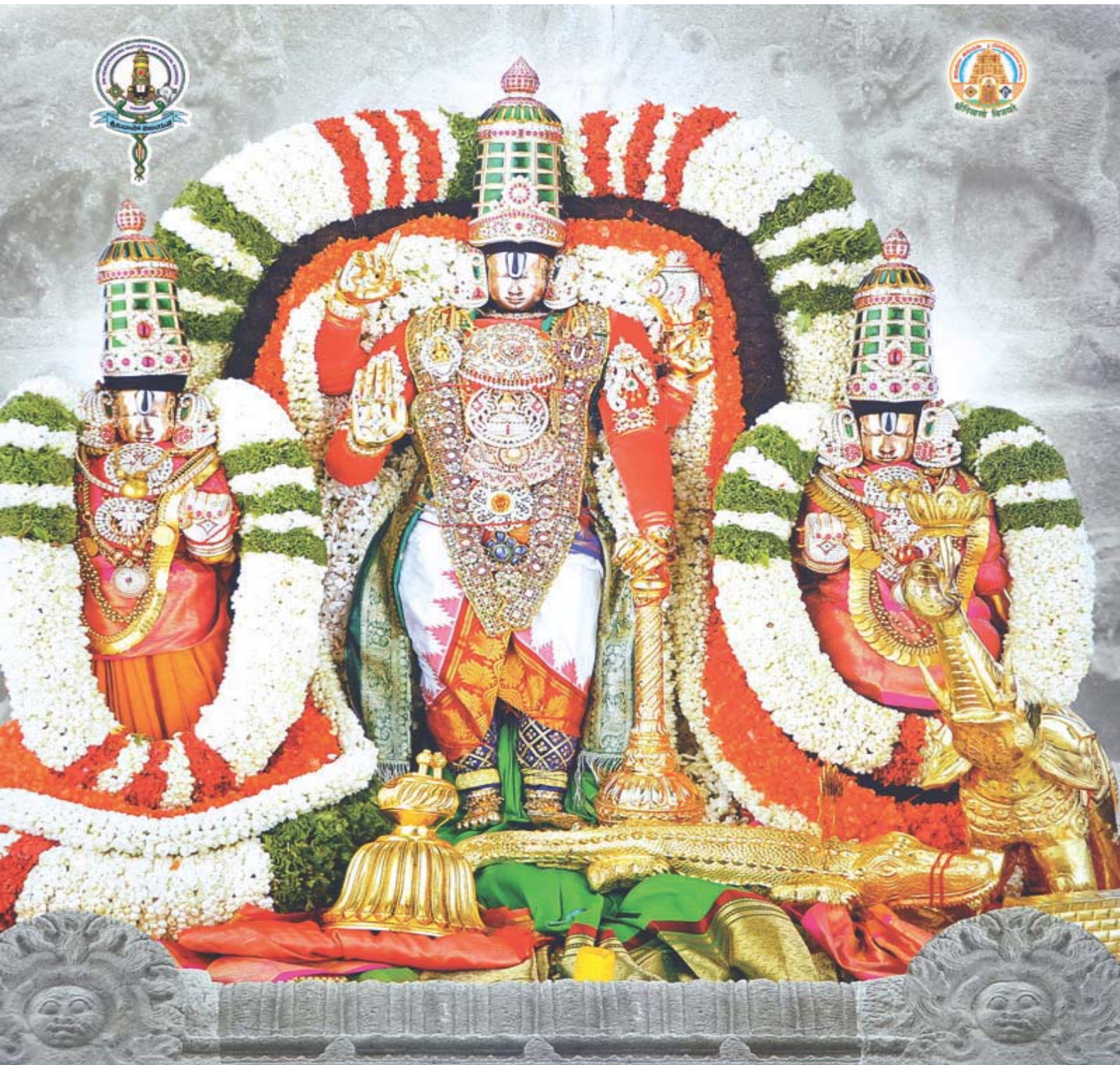
Public talk

1. Delivered Speeches on “Importance of Physiotherapy in Normal and Diseased in youth” in All India Radio Programmes regularly.
2. Delivered physiotherapy awareness programme in walker Association in Tirupati in various voluntary organizations in Tirupati.

40.7 Other academic activities

Dr K. Madhavi, attended the following

1. For various CPR programmes in and around Chittoor district.
2. As external examiner at various universities.
3. Appointed NABH – HRM member.
4. BLS & ACLS course by AHA.
5. National inter district junior athletic meet NIDJAM at Tarakarama Rao Stadium, Tirupati during 1-3 December 2018.



X CENTRAL FACILITIES



X Central Facilities

1.0 IT DEPARTMENT

The Hospital Management System (HIS) in SVIMS was implemented in the year 2013 and till now SVIMS is following the workflow based ICT solution. This HIS software 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, an interface by which doctors can view patient data. Pharmacy and inventory programme was full fledgedly implemented.

Objectives and developments of the project in the year 2018

1. To develop a fully integrated HIS 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 HIS modules are integrated with the billing module, credit and insurance billing, and reimbursements with departmental revenue reports.
6. Executing file movement / tracking system using e-office environment for the welfare of patients and employees .

Other Technologies / solutions employed for Patient better service through Hospital Management system

1. Laboratory reports are communicated to patients through mobile app based SMS to view after the visit of the patient to the hospital.

2. Payment is also possible via credit / 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 app.
4. Surgery and anaesthesia management with scheduling in offline database mode
5. Pharmacy and inventory management –Purchase order management is integrated with Finance module and inventory/pharmacy transaction. Price list program was developed as per the administrative orders
6. Implemented STAT services under emergency medicine department with online order entry and sample collection.

Innovative practices in Patient care services:

1. No Q Appointment system through Mobile with a change in time of advance day booking.
2. Nine new services were added under No Q system for token generation.
3. SVIMS clinic was established with sufficient LAN connectivity for serving TTD and Staff with exclusive counters.
4. Cfar building was also provided with Internet connectivity (about 50 connections) for newly located departments like Virology, Bioinformatics
5. Sri Padmavathi women hospital was established with 5 blocks having 450 connections connectivity for the utilization of hospital management system in future.

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 100 Mbps robust bandwidth internet speed.

1. The gradual increase from 30 internet connections in 2017 to 360 in number in the year 2018 for academic as well as research work.

2. WIFI access to SVIMS campus and neighboring buildings
3. Tumor board Cancer wing was developed in Oncology unit under the supervision of IT Department for the linkage with cancer network hospitals through internet for Patient research and academic purpose.

2.0 CENTRAL LIBRARY

SVIMS University has an excellent health science library situated in the newly constructed building spread across 42,000 Sft., build with an estimated cost of Rs.6.75 Crore with State-of-Art facilities with a collection of 11507 books, subscription of 159 print journals (85 Foreign , 74 Indian) for the year 2018.

The Central Library is having 6865 back volume journal collection dating back to 1993. The Library is well equipped with modern facilities such as e-learning to access internet and web resources including online journals and e-books. All library services being automated on modern line by adopting KOHA library automation software. The computerization of collections is under process which will be accessible through OPAC. There is a computer lab consisting of 35 nodes to access e-resources for library users on free of cost. The main quest of the library continues to be improvement in quality of services and facilities, achieving high degree of user satisfaction and modernization of its activities and operations. The library main aim is to provide right information to the right user at the right time.

Library Timings....

1. 8.00 A.M. to 12.00 Midnight (on all working days)
2. 10.00 A.M. to 4.00 P.M. on Sundays
3. 10.00 A.M. to 5.00 P.M. on festivals

Library Resources

The total collection of library resources during the year 2018 is as follows:

Collections	Added during 2018	Total
Books	517	11517
Journals (85 Foreign: 74 Indian)	159	164
Online journals	257	257
Back volumes of journals	200	6865
CD-DVD	18	417
Dissertations	144	1404

E- Library Resources

1. The National Medical Library, New Delhi provided membership in ERMED Consortium to SVIMS University to access 241+ e-journals with back issues on free of cost.
2. National Cancer Grid (TATA Memorial Hospital Mumbai) providing to access the 'Clinicalkey' (Elsevier) and OVIDSP journals to SVIMS University, Tirupati from 2018.

Facilities available

Photocopying, laser printing, scanning, CD/ DVD writing, Internet and Medlars search.

Budget for purchase of books and print journals

1. **Books**

Budget sanctioned (2017-18)	Rs.25.20 Lakhs
Budget incurred	Rs.12.12 Lakhs
Number of books purchased	496
2. **Print journals -2018**

Budget sanctioned	-
Amount incurred	Rs.85.44 Lakhs
Number of journals subscribed	159

Computing Infrastructure

The Central Library has computing infrastructure including 36 nodes, three printers and two scanners.

Staff Details:

1. K. Neelakanta Chetty - Librarian (Adhoc)
2. A. Omkar Murthy - Asst. Librarian
3. Library Assistants - 9 Nos. Outsourced

Staff academic activities

Dr A. Omkar Murthy, Assistant Librarian, attended the following conferences and presented papers at

1. 1st Multidisciplinary International conference on 'Social Responsibility of Education Institutions in Developing Countries (ICSEDC2018), held at Sri Ramakrishna Mission, Vidyalaya College of Arts and Sciences, Coimbatore, Tamil Nadu on 24-25 Aug. 2017 on "Use of Electronic Information Resources in S.V. Engineering College, Tirupati".
2. National seminar on 'The impact of electronic resources on academics' held at Sri Venkateswara University, Tirupati on 19-01-2018 on "Use of e-Resources in Sri Vidyaniekathan Engineering College, Tirupati: A Study".

3. National conference on 'Role of academic libraries for quality in research and education' held at S.V. Univeristy, Tirupati on 29-06-2018.
4. Attended T10KL workshop on KOHA and Library automation held at Sri Padmavathia Mahila Viswavidayalam, Tirupati on 12-10-2018.

3.0 CENTRAL RESEARCH LABORATORY

The Central research laboratory is well established in SVIMS with the state of the art facilities such as thermocyclers (PCR machine), Real-time PCR, spectrophotometers, electrophoretic instruments with gel documentation facility, flow cytometry, refrigerated centrifuges, laminar air flows and cell culture facility which will be effectively utilized to analyse nucleic acids,

proteins and identifying cells and organelles. As these will facilitate the faculty, research scholars and students to abreast 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) genitital 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 in true letter and spirit. SVIMS is furnishing the information to the applicants subject to the provisions / sections of RTI Act.

S. No	Designation	RTI Designation	RTI Information to be submitted on the Subject/s
1	Registrar	1 st Appellate Authority	2 nd level information to the RTI applicants, if not satisfied with the information provided by PIO
2	Hospt.Admn./RMO	PIO	Hospital Maintenance
3	Dy. Registrar	PIO	Academic matters, UG, PG admissions.
4	Personnel manager	PIO	All administrative matters related to establishment section.
5	Accounts Officer	PIO	All matters related to accounts and audit.
6	Dy.Director (PR)	PIO	All matters related to press, electronic media, medical camps
7	Dy.Director (S & P)	PIO	All matters related to Purchases
8	Medical Records Officer	PIO	All matters related to Patient care (OP/IP), reimbursement
9	General Manager (O)	PIO	All matters related to General Maintenance, manpower, shops, canteens and facilities to faculty & students.
10	NTRVVS MEDCO	PIO	All matters related to NTRVVS.
11	Asst.Director (SPMCW)	PIO	All matters related to Medical College, supporting facilities student, faculty and staff related matters.
12	Asst.Director (Exams)	PIO	All matters related to portaging to exams
13	Asst.Director (Billing)	PIO	All matters related to Billing
14	Asst.Director (Stores)	PIO	All matters related to Stores
15	Nursing Superindent	PIO	All matters related to Nursing Patient care, General facilities in the Hospital.
16	Senieor BME	PIO	All matters related to equipments and maintains.
17	Principal, CON	PIO	All matters related to faculty, students and teaching programmes
18	Principal, COP	PIO	-do-
19	Librarian	PIO	Books, Journals and facilities to readers
20	MSW	PIO	All matters related to medico social work.
21	Asst. Director Sri D. Ananda Babu	PIO & Coordinator	Receives RTI applications, arranges information to applicants from departments. Attends before RTI commissioner.

The RTI statistics for the year 2018

Applications

No. of applications received	Information provided	Rejected under sections 8(1)(j),(e),(g) & (h)
16	13	03

Appeals

No. of Appeals received	Information provided	Rejected (j),(e), & (h)
04	03	01

5.0 ANIMAL HOUSE

The Animal house at SVIMS was developed in 2004 and is currently maintained by Pharmacology department.

On 28-04-18 Shri. K.R. Navaneetha Krishnan, Assistant Director, GLR Laboratories Pvt. Ltd, Chennai, the authorized representative of CPCSEA, Govt. of India, Ministry of Environment Forest & Climate Change (Animal Welfare Division) conducted inspection of SVIMS Animal House and submitted the report to CPCSEA.

The inspection was successful and recommended to CPCSEA for approval

SVIMS animal house Establishment got registered with CPCSEA for the purpose of “Research for Education Purpose on Small animals”. The registration number of Animal House Facility is **2036/GO/Re/S/18/CPCSEA** and registration is valid for **five years** from 28-09-2018 to 27-09-2023.

A New Animal house is approved by APSMIDC for construction as per the specifications of CPCSEA requirements.

CPCSEA accepted the following members in the committee of IAEC,SVIMS

S. No	Name of the IAEC Members	Designation in IAEC
01	Dr. M. Hanumantha Rao	Scientist from different discipline, (Chairperson)
02	Dr. K.R. Subash	Biological Scientist, (Member Secretary)
03	Dr. K. Umamaheswara Rao	Scientist from different discipline
04	Dr. PVGK Sarma	Scientist Incharge of Animal House Facility
05	Dr. R.V. Suresh	Veterinarian

01	Prof. K. Sathyavelu Reddy Professor, Dept. of Zoology, S.V. University, Tirupati.	Main Nominee by CPCSEA
02	Prof. R.Nagaraju Institute of pharmaceutical technology, Sri padmavathi Mahila Visvavidyalayam, Tirupati	Link Nominee by CPCSEA
03	Dr. Santhrani Thakur Professor, Institute of pharmaceutical Technology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Scientist from outside of the Institute by CPCSEA
04	Prof. of Y.V. Rami Reddy Sri Venkateswara University, Tirupati	Socially aware 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 (Assistant prof. of Pharmacology) is the deputy coordinator & is supported by PVPI representative Dr. P.S.S.Durga Devi as a Patient Safety Pharmacovigilance Associate. Total 510 Adverse Drug Reactions were reported from various departments of SVIMS from January, 2018 to December, 2018.

Activities

1. Displayed posters on Pharmacovigilance in all IPDs & OPDs.
2. Availability of suspected adverse drug reaction reporting forms to all nursing stations at all times.

3. 34 ADR notification drop boxes (red boxes) were fixed in all IPDs & OPDs of SVIMS and Sri Padmavathi Medical College for women Hospital.
4. Sensitization programmes to various clinical departments were done periodically.
5. Assigned research projects to Pharm-D students in Pharmacovigilance.
6. Will conduct monthly review meeting on Pharmacovigilance activities on the first Friday of every month.
7. Conducted a workshop on 'Pharmacovigilance and Reporting of Adverse Drug Reactions' on 29-12-2018 to improve ADR Reporting.

Pharmacovigilance Committee

Pharmacovigilance Committee (CAC) was reconstituted on 06-04-2018 with the following the members:

1. Dr. M. Hanumantha Rao, Principal, Chairman
2. Dr. Alok Sachan, Medical Superintendent, Co-Chairman
3. Dr. K. Umamaheswara Rao, Prof & Head of pharmacology, Co-ordinator
4. Dr. K. Vijaya Chandra Reddy, Assistant Professor of pharmacology, Deputy Co-ordinator
5. Dr. B. Siddhartha Kumar, Professor of Medicine, Member
6. Dr. Y. Mutheeswaraiyah, Professor of General Surgery, Member
7. Dr. K. R. Subash, Associate Professor of Pharmacology, Member
8. Dr. N. Punith Patak, Associate Professor of Paediatrics, Member
9. Dr. A. Surekha, Assistant Professor of Dermatology, Member
10. Smt. C. Suneetha, Nursing Superintendent

Causality assessment committee

Causality Assessment Committee (CAC) was reconstituted on 06-04-2018 to establish a causal relationship between

the adverse events and drugs of the reported cases with the following as members:

1. Dr. K. Umamaheswara Rao, Prof & Head of Pharmacology - Chairman
2. Dr. B. Siddhartha Kumar, Prof. of Medicine - Member
3. Dr. K. Vijaya Chandra Reddy, Asst. Professor of Pharmacology - Member
4. Dr. N. Punith Patak, Associate Professor of paediatrics - Member
5. Dr. A. Surekha, Assistant Professor of Dermatology - Member
6. Dr. Pilla S. Surya Durga Devi, Patient Safety Pharmacovigilance Associate - Member

CAC to meet periodically and assess causality of each reported ADR case.

Pharmacy & Therapeutics Committee

The PTC is a multidisciplinary committee responsible for the formulation and implementation of policies and procedures related to the pharmacy services of the hospital.

The committee monitors all pharmacy related activities and ensures that the pharmacy services of the hospitals function in compliance with the applicable laws and regulations.

The following Pharmacology faculty members are involved in the activities of PTC:

1. Dr. K. Umamaheswara Rao
2. Dr. C. Pallavi
3. Dr. G. Bhanu Prakash

The main activities related to PTC are:

- Prescription audit
- Hospital Formulary
- Storage of Medication in Pharmacy, OTs, Wards & ICUs
- Medication errors & ensuring patient safety
- ADR reporting
- Monitoring of Narcotics usage, Chemotherapeutic drug usage & usage of Implantable prosthesis and Medical devices, Radioactive drugs

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.

For effective functioning of the crèche, the crèche is fully surveillance under closed circuit cameras [CC TV] with

‘4’ cameras. 2 cameras are strictly monitoring inside the crèche in both sides and rest of the two cameras at inside and outside playing area for the safety of the kids and monitoring of the duties of the aayas too.

Many of the women employees expressed their gratitude and happiness for this welfare facility being provided by the institution. Very nominal fee is charged towards crèche 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 (2017-18)

8.1 Engineering Division, TTD, SVIMS:

The Tirumala Tirupati Devasthanams established a separate Engineering Division for execution of Capital and Maintenance works headed by Sri M.U. Shareef, Dy. Executive Engineers with the following:

Works completed in SVIMS, Tirupati during the financial year 2017-18

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Construction of Ultrasound & Mammography, DSA lab in First floor In front of MRI Building in SVIMS, Tirupati	70.50
2	Construction of Molecular Biology Research lab in SVIMS, Tirupati	666.00
3	Constuction of 3rd floor over the existing OPD block for Casualty extension, Medical wards, Microbiology labs, operation theatres, Examination hall, etc., in SVIMS, Tirupati.	625.00
4	Construction of Additional quarters for P.G.Resident Doctors at SVIMS, Tirupati.	633.00
5	Construction of Indoor 33/11kv substation in SVIMS, Tirupati.	45.00
6	Construction of Generator room extension in SVIMS, Tirupati.	25.00
7	Construction of pump room in the premises of SVIMS Hospital, Tirupati	5.50

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Works in progress during the current financial year 2018-19

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Improvements to Surgical oncology block, SVIMS, Tirupati.	30.00

New proposal to be sanctioned

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Providing Lift and attendants waiting halls for VVIP patients adjacent to Special rooms SVIMS, Tirupati	100.00
2	Construction of Ornamental Entrance Arch for SVIMS, BIRRD and Ayurvedic Hospital at valmiki circle , Tirupati	20.00
3	Construction of Additional 3 floors over existing 2 floors of patients attendants choultry Opposite to SVIMS OPD building SVIMS,Tirupati	500.00
4	Construction of Additional 2 floors over existing 3 floors Dialysis block in SVIMS, Tirupati	400.00
5	Additional floor over existing the New Ultrasound building for Seminar hall and Class rooms in SVIMS, Tirupati.	100.00
6	Proposed Laying of floor tiles in left over area in SVIMS, Tirupati	50.00
7	Proposed Water proof treatment in left over area on roof of Specility block in SVIMS hospital, SVIMS,Tirupati	20.00
8	Proposed parking facility for 4 wheeler vehicles belongs to patients near nursing college, SVIMS, Tirupati.	20.00
9	Proposed Galvalume shelter over existing parking of 4 wheelers and 2 wheelers area in front of central block SVIMS, Tirupati.	20.00
10	Proposed SS Railing protection to East Garden infornt of OPD block SVIMS, Tirupati.	5.00

Annual Maintenance progress in SVIMS, Tirupati for the year 2018-19

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Central Block	10.00
2	OPD Block	10.00
3	Specialty block	10.00
4	Administrative Block and Attendants choultry	10.00
5	Service block and oncology and laundry	10.00
6	Canteen, BPT college, Nursing College	10.00
7	Girls Hostel, Boys hostel, P.G.& Vedic P.G (ladies Hostel) and Bio-technology building in the premises of SVIMS	9.25
8	Director bungalow, old staff quarters, old professors quarters, New professors quarters & Asst. Professors quarters in the premises of SVIMS	7.50
9	Water Proof repairs and leakages of all buildings, College of Nursing & BPT	7.50
10	Roads in the premises of SVIMS	3.50

Annual maintenance proposals in SVIMS, Tirupati for the year 2019-20

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Central Block	10.00
2	OPD Block	10.00
3	Specialty block	10.00
4	Administrative Block and Attendants choultry	10.00
5	Service block and oncology and laundry	10.00
6	Canteen, BPT college, Nursing College	10.00
7	Girls Hostel, Boys hostel, P.G.& Vedic P.G (ladies Hostel) and Bio-technology building in the premises of SVIMS.	10.00
8	Director bungalow, old staff quarters, old professors quarters, New professors quarters & Asst. Professors quarters in the premises of SVIMS.	10.00
9	Water Proof repairs and leakages of all buildings, College of Nursing & BPT	6.00
10	Roads in the premises of SVIMS	4.00

8.2 Engineering Division, APMSIDC

The APMSIDC established a separate Engineering Division for execution of Capital and Maintenance works headed by Executive Engineer and Dy. Executive Engineers at Tirupati.

Projects Under Construction

1. Additional 4 Floors on E& F blocks, Mortuary building and Internees Hostel at SPMCW Hospital – 26.1 crore
2. Play Ground and CC roads – 1 crore
3. Modular OTs – 4.8 crore
4. VRV system (Centralized A.C) – 3.1 crore

Proposed Projects:

1. Hostel 2nd Phase for 576 students – 18.00 Crores
2. Nurses quarters – 7.05 Crores
3. Teaching staff accommodation – 9.6 Crores
4. Non-Teaching staff accommodation – 9.66 Crores
5. Sports complex (Indoor Stadium) – 2.35 Crores

8.3 ELECTRICAL ENGINEERING WORKS (2017-18)

Electrical Engineering Department of the Tirumala Tirupati Devasthanams is being extending full support in day to day needs from the date of establishment of SVIMS to till date.

The Superintending Engineer (Elec) is Head of the Department for TTD Electrical Engineering Department and the Dy.Exe.Engineer (Elec)-SBH under control of the Divisional Engineer (Elec)-II, TTD is concerned Electrical Subdivision for SVIMS and one Asst.Engineer (Elec) is in charge for all kinds of Electrical works in SVIMS.

The SVIMS has been established with various departments and also SVIMS is running Sri Padmavathi Medical College for women, SPMC Hospital, SPMC (W) Hostel handed over by APMSIDC. Considering all the existing electrical loads, the electrical department is taken steps in limiting the current consumption charges by providing 33KV HT electrical service in place of existing 11KV HT electrical supply and the work is in progress.

Also maintaining the Lifts, UPS, Air-conditioning systems and all electrical installations in and around, street lights etc.

The SVIMS management has taken steps in utilizing green energy with solar system roof top based about 1000Kwp in SVIMS buildings and 200Kwp in SPMC (W) building to reduce current consumption charges by entering MOU with M/s Think Energy Partners Solar India LLC on behalf of NREDCAP, Govt. of Andhra Pradesh.

9.0 PURCHASE SECTION

Purchase department is responsible for all purchases required for the hospital and stores. The department will process the requests received from various departments for purchase of various Equipment, surgical consumables, disposables, implants, medicines, chemicals, diagnostic kits, sanitary, stationery, linen, spares, instruments, furniture electronic items (Personal computers, printer, scanners) etc. Through e-tenders and Quotations.

Budget Allotted to Purchase Department for the 2018-19: **Rs. 57,52,00,000/-**

Total No. of Indents Received: **779**

Total No. of Purchase Orders Issued: **1823**

Value of Purchase Orders Issued: **3034.92 Lakhs**

Woks completed in SVIMS during financial year 2017-18

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	AMC for Window / Split / Multi split AC units in OPD building and other outside locations of SVIMS Hospital, Tirupati.	4.50
2	AMC of Centralized AC Plant (100 TR X5Nos.) of Voltas Make at SVIMS Hospital, Tirupati.	8.00
3	AMC of Ductable packaged AC units at Male/Female and pranadana Trusts, Arogya sree ward, in SVIMS Hospital, Tirupati.	4.50
4	Annual Maintenance of Water coolers and Refrigerators in SVIMS Hospital at Tpt.	1.00
5	AMC for Window / Split / Multi split AC units in different labs and OT's in main building of SVIMS Hospital, Tirupati.	6.50
6	AMC of centralized AC plant in OPD(160TR X 2 Nos) of Voltas Make at SVIMS Hospital Tirupati.	5.25
7	AME for Repairs and Reconditioning of defective ceiling fans available in SVIMS Hospital, Tirupati.	2.00
8	AME for maintenance of Transformers available in SVIMS Hospital, Tirupati.	6.00
9	Annual Maintenance of petty improvements in Electrical installations in Administrative block, Central block and Speciality blocks in SVIMS Hospital, Tpt.	5.00
10	Replacement of damaged cables/ providing additional UG cable for increased loads / additional loads and other locations in SVIMS Hospital, Tirupati.	3.50
11	Supply of Electrical maintenance materials to SVIMS Hospital, Tirupati.	7.50
12	AMC for UPS systems & APFC Panels available in Speciality Block, Administrative Block, Blood bank and Pathology depts. in SVIMS Hospital, Tirupati.	9.00
13	Annual Maintenance of petty improvements in Electrical installations in OPD block, Service block Colleges, Hostels and SVIMS quarters and other locations in SVIMS Hospital, Tirupati for the year 2017-18	5.00
14	AMC for AMF panels (Synchornization) M.V. Distribution panels and 11 KV VCB Panels (except major parts) in SVIMS Hospital, Tirupati.	2.50
15	AMC for UPS systems & APFC Panels in Operation theatres, Recovery rooms, Computer centre(HIMS) & Replacement of damaged system in SVIMS Hospital, Tirupati.	9.00
16	AMC for UPS systems in OPD Building, Biotechnology, Nursing College & replacement of damaged systems in SVIMS Hospital, Tirupati.	9.00
17	AME for service contract for Johnson make Lifts available in SVIMS Hospital, Tirupati.	2.00
18	AMC of Service contract for Surya make Lifts available in SVIMS Hospital, Tirupati.	1.80
19	AME for service contract for OT's make Lift available in SVIMS Hospital, Tirupati.	2.60
20	Hire charges for providing Temporary illumination and Preparation of LED Sets to SVIMS Hospital during Srivari Brahmastavams, Convocation day & Fresher's day and other occasions in SVIMS Hospital, Tirupati.	1.00
21	Annual maintenance contract to DG sets & supply of B-Check materials to DG sets available in SVIMS Hospital, Tirupati.	4.00
22	Replacement of 2 Nos of AHUs and dismantling and shifting of 1 No of existing AHU Ducting system, Chilled water pipe line and split A.C.units etc., available in terrace and Installation in IInd floor of OPD Buidling at SVIMS Hospital, Tirupati.	18.50
	Total	113.65

Works in progress during current financial year 2018-19

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	AMC for Window / Split / Multi split AC units in OPD building and other outside locations of SVIMS Hospital, Tirupati.	6.50
2	AMC of Centralized AC Plant (100 TR X5Nos.) of Voltas Make at SVIMS Hospital, Tirupati.	9.75
3	AMC of Ductable packaged AC units at Male/Female and pranadana Trusts, Arogya sree ward, in SVIMS Hospital, Tirupati.	4.00
4	AMC for Window / Split / Multi split AC units in different labs and OT's in main building of SVIMS Hospital, Tirupati.	8.00
5	AMC of centralized AC plant in OPD(160TR X 2 Nos) of Voltas Make at SVIMS Hospital Tirupati.	6.75
6	Replacement of damaged cables/ providing additional UG cable for increased loads / additional loads and other locations in SVIMS Hospital, Tirupati.	5.00
7	Supply of Electrical maintenance materials to SVIMS Hospital, Tirupati.	9.50
8	AMC for UPS systems & APFC Panels available in Speciality Block, Administrative Block, Blood bank and Pathology depts. in SVIMS Hospital, Tirupati.	9.50
9	AMC for UPS systems & APFC Panels in Operation theatres, Recovery rooms, Computer centre(HIMS) & Replacement of damaged system in SVIMS Hospital, Tpt.	9.50
10	AMC for UPS systems in OPD Building, Biotechnology, Nursing collage & replacement of damaged systems in SVIMS Hospital, Tirupati.	9.50
11	AME for service contract for Johnson make Lifts available in SVIMS Hospital, Tirupati.	3.60
12	AMC of Service contract for Surya make Lifts available in SVIMS Hospital, Tirupati.	1.80
13	AME for service contract for OT's make Lift available in SVIMS Hospital, Tirupati.	2.60
14	Annual Maintenance of Water coolers and Refrigerators in SVIMS Hospital at Tirupati.	1.00
15	AME for Repairs and Reconditioning of defective ceiling fans available in SVIMS Hospital, Tirupati.	2.00
16	AME for maintenance of Transformers available in SVIMS Hospital, Tirupati.	5.50
17	Annual Maintenance of petty improvements in Electrical installations in Administrative block, Central block and Speciality blocks in SVIMS Hospital, Tpt.	6.00
18	Annual Maintenance of petty improvements in Electrical installations in OPD block, Service block Colleges, Hostels and SVIMS quarters and other locations in SVIMS Hospital, Tirupati.	6.00
19	AMC for AMFpanels (Synchronization) M.V. Distribution panels and 11 KV VCB Panels (except major parts) in SVIMS Hospital, Tirupati.	6.00
20	Hire charges for providing Temporary illumination and Preparation of LED Sets to SVIMS Hospital during Srivari Brahmastavams, Convocation day & Freshers day and other occasions in SVIMS Hospital, Tirupati.	1.05
21	Annual maintenance contract to DG sets & supply of B-Check materials to DG sets available in SVIMS Hospital, Tirupati.	4.50
22	Supply, Installation, Testing and Commissioning of Air Cooled Ductable split AC unit under buy back offer in linear Accelerator (LINAC) at SVIMS, Tirupati.	3.00
23	Supply, Installation, Testing and commissioning of 33KV/11KV Sub-Station for SVIMS Hospital, Tirupati.	195.00
24	Improvements to the Surgical Oncology Operation Theatres, ICU, Recovery, Library, Biopsy Room in SVIMS, Tirupati.	15.00
25	Providing Electrification to the proposed Siddha Clinical Research Unit (SCRUI) in the premises of SVIMS, Tirupati	2.40
	Total	333.45

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Works agreed and to be taken up during financial year 2018-19

Sl.No.	Name of the work	Cost in Lakhs (Rs.)
1	Supply, installation, Testing and commissioning of centralized air conditioning system to newly constructed CfAR (Centre for Advanced Research Lab) Building in SVIMS Hospital, Tirupati.	110.00
2	Supply of Fine and Hepa Filters to Operation theatres Air Handling Units SVIMS, Tirupati.	2.50
3	Supply and Installation of 1 No. of 40 KVA UPS system to Central networking systems in SVIMS Hospital, Tirupati	8.50
4	Annual Comprehensive maintenance & operation of centralised Air-conditioning units (141Tr x 2 Nos) of Blue Star Make at Dialysis Block, SVIMS Hospital, Tirupati.	8.00
	Total	129.00

The Electrical Engineering Department already took suitable steps and action plan for implementation of the NABH standards in the Hospital by implementing the usage of Solar Power and proposed to replace the S.V. lamp fittings and ordinary tube lamp fittings with Energy efficient LED Lamp fittings.

Purchase Committee Meetings held during 2018

Sl.No.	Date	Event/Procurement details
01	19.02.2018	i) Outsourcing Security Staff, ii) Outsourcing Sanitary staff, iii) Pest and Rodent Control, iv) Telephone Exchange machine, v) Central monitors, vi) Ventilators, vii) Ultrasonic cutting and coagulation device
02	02.03.2018	Ventilators
03	21.03.2018	To plan of action and details of survey done at SVIMS by bidder M/s. Terminix SIS (Pest and Rodent control)
04	17.04.2018	Hostel Mess
05	14.05.2018	Certain equipments for use in CfAR building.
06	19.05.2018	RIS/PACS
07	14.06.2018	Multipara Meter monitors
08	20.06.2018	Ventilators
09	23.06.2018	To take decision on deviations found in e-tenders of equipments
10	06.07.2018	RIS/PACS
11	06.08.2018	Document verification of uploaded documents with regard to certain equipments
12	10.08.2018	Revision of rates of medicines and consumable items
13	25.08.2018	To discuss on amendments RIS/PACS system
14	29.08.2018	To discuss the deviation of Mandatory document uploaded by the bidders for the Medical & Labware e-tender
15	11.09.2018	For discussions about acceptance of other bidders for e-tender of Medical and Lab items
16	14.09.2018	Revision of rates of medicines and consumable items
17	17.09.2018	To discuss on logo, lettering and graphics and other facilities required for pink bus
18	27.09.2018	To discuss on conditions of tender documents with regard to Liquid Medical Oxygen
19	24.10.2018	RIS/PACS System
20	26.10.2018	Liquid Medical oxygen tanks in the existing area

Prebid meetings held during the year 2018

Sl.No.	Date	Event/Procurement details
01	18.01.2018	i) Medical Shop no.01, ii) Outsourcing of Manpower (Security & Sanitary) iii) Pest and Rodent control, iv) Pink bus
02	08.02.2018	Medical shop no. 01
03	20.03.2018	RIS/PACS system to the department of Radiology.
04	23.05.2018	Hostel messes – 04nos. at various hostels of SVIMS and canteen at SPMC General Hospital.
05	23.07.2018	RIS/PACS System to the department of Radiology.
06	25.07.2018	Furniture to the department of Surgical Oncology ICU.
07	06.08.2018	SPMCH Canteen, SVIMS main canteen and SPMCW cafeteria.
08	17.10.2018	Liquid medical oxygen.
09	17.11.2018	RIS/PACS to the department of Radiology.
10	19.11.2018	Licensing of Shop no. 05.

Specification Commiittee meetings held during 2018

Sl.No.	Date	Event/Procurement details
01	05.01.2018	Mobile Cancer Screening bus along with Equipment.
02	21.05.2018	Certain equipment for use in CfAR building.
03	24.05.2018	Table top high speed refrigerated Centrifuge for use in CfAR building.

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Technical Evaluation meetings held during 2018

Sl.No.	Date	Event/Procurement details
01	19.01.2018	Surgical and General items tender.
02	30.01.2018	i) Sanitary, ii) Security, iii) Medical Shop no.01, iv) Pest & Rodent control
03	31.01.2018	Supplementary e-tenders for medicines
04	23.02.2018	Surgical tender (Costly consumables)
05	30.03.2018	IABP, Ultrasound and Simulators
06	25.04.2018	RIS/PACS systems to the department of Radiology.
07	30.04.2018	IABP machine to the department of Cardiology.
08	12.06.2018	i) MBBS Hostel mess, ii) Cafeteria at SPMC for womeniii) Canteen at SPMC General Hospital
09	14.06.2018	To discuss on technical clarification and demonstration with regard to multiparameter monitors to the department of Cardiology.
10	19.06.2018	Certain equipments for CfAR building.
11	25.07.2018	Boys hostel mess
12	06.08.2018	Certain equipments for CfAR building.
13	11.08.2018	Furniture and equipment for CfAR building and Surgical oncology ICU.
14	17.08.2018	PG Doctors Hostel Mess.
15	01.09.2018	i) SVIMS Canteen, ii) SPMC Hospital Canteen, iii) SPMC for Women Cafeteria
16	31.10.2018	i) Multiparameter monitor to the department of Cardiologyii) -80° freezer for use in CfAR.
17	12.11.2018	General medicines by General medicine committee.
18	13.11.2018	Liquid Medical Oxygen.
19	19.11.2018	General items.

Negotiation Committee Meetings held during 2018:

Sl.No.	Date	Event/Procurement details
01	04.01.2018	LAN connectivity with Accessories to the department of Nephrology and MRD
02	04.01.2018	Defibrillator under buyback offer to the department of Cardiology
03	05.01.2018	e-content including SD card for MBBS students & multichannel monitor for Emergency medicine.
04	01.02.2018	Upgradation of HDR Brachytherapy to the department of Radiotherapy.
05	05.02.2018	Wooden single cots and Dining table to PG Hostel and New girls hostel.
06	08.02.2018	FIV Endo and Laryngoscope with common screen to the department of Emergency medicine.
07	20.02.2018	Reagent rental of PCT machine to the department of Microbiology and reagent rental agreement of cardiac reader machine installed in Cardiology..
08	22.02.2018	Outsourcing sanitation, Security and Pest & Rodent control.
09	04.04.2018	Extra work benches & Furniture to setup in the CfAR building.
10	09.04.2018	Pest & Rodent control
11	10.04.2018	New workbenches & extra work benches and furniture to setup in CfAR building.
12	10.05.2018	Neurosurgery Instruments
13	24.05.2018	C-AMC charges for Mindray monitors.
14	29.05.2018	Mobile Cancer Screening Bus

15	22.06.2018	MBBS Hostel Mess
16	17.07.2018	Open iron racks for MBBS students hostel.
17	30.08.2018	IABP machine to the department of Cardiology.
18	10.10.2018	Ventilators to the department of Surgical oncology.
19	01.11.2018	Foldable wheel chairs.

Tenders Published during the year 2018

Sl.No.	Date	Tenders Published
01	07.01.2018	<ol style="list-style-type: none"> 1. Ultrasound machine with colour Doppler 2. Medical shop no.1 3. Pest and Rodent Control 4. Security – Outsourcing 5. Sanitary – Outsourcing 6. Mobile Cancer Screening Bus (Pink bus along with equipment)
02	06.03.2018	<ol style="list-style-type: none"> 1. Ultrasound machine for Pink bus 2. Simulators for Pre clinical Practice lab 3. IABP machine
03	01.06.2018	<p>CfAR equipments</p> <ol style="list-style-type: none"> 1. Ultracentrifuge – Refrigerated 2. Multimode Microplate Reader 3. Table top high speed refrigerated centrifuge 4. CO2 Incubator 5. Real time PCR 1. Shaker Incubator CO2 2. 2D Gel Electrophoresis 3. Automated Nucleic Acid Extraction and Liquid Handling 4. Inverted Bright Field Fluorescence Microscope with projection system 5. Bright Field/ phase contrast fluorescence research microscope with camera (Vertical model) 6. Nano Drop 7. Autoclave (Horizontal Double door) 8. Automated Cell counter 9. Freezer -20° and Freezer -40° 10. Freezer -80° 11. Ultrapore water purification system 12. Work benches 13. CO2 incubator 14. Medicines, Reagents and Diagnostic kits
04	14.07.2018	<p>Retender Published for the equipments for use in CfAR building.</p> <ol style="list-style-type: none"> 1. Ultra Centrifuge Refrigerated 2. Multimode Microplate Reader 3. CO2 Incubator 4. Bright Field/ phase contrast fluorescence research microscope with camera (Vertical model) 5. Automated Nucleic acid system 6. Inverted Bright field projection system 7. Nano Drop

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05	10.10.2018	8. Automated Cell Couter 9. Autoclave (Horizontal Double door) 10. 2D Gel Electrophoresis 11. CO2 Incubator 1. -80° Freezer 2. Multiparameter monitors with Centralized monitor 3. Various general items
06.	12.11.2018	1. Syringe pumps 2. Infusion pumps 3. RT PCR 4. Multiparameter monitors with centralized monitor
07.	12.11.2018	Manual tenders for Chemical, Labware and others.

Equipments purchased during the year 2018

S.No.	Name of the equipment	Qty.No.	Department	Amount Rs.	Source of Fund
1	Upgradation of Philips Cathlab	01	Cardiology	3,30,40,000.00	PD grant from TTD
2	Upgradation of HDR Brachytherapy	01	Radiotherapy	3,17,78,180.00	PD grant from TTD
3	FIV Endo and Laryngoscope with common screen	01	Emergency medicine	29,00,258.00	SVIMS
4	Intra Aortic Balloon pump	01	Cardiology	25,20,000.00	SVIMS
5	ECG machines	03	Cardiology	5,47,200.00	SVIMS
6	Air Compressor	01	Gas room	13,62,176.00	SVIMS
7	Cans Analyser	01	Endocrinology	2,44,720.00	SVIMS
8	Slide filing cabinet and				
	Block filing cabinet	01	Pathology	2,58,783.00	SVIMS
9	Mayfield head holder	01	Neurosurgery	8,09,664.00	SVIMS
10	Kiosk devices	02	SVIMS Patient care	1,73,580.00	SVIMS
11	250lts RO plant	01	Library	1,50,332.00	SVIMS
12	Double distillation water plant	01	Biotechnology	1,60,935.00	SVIMS
13	Autoclave (Vertical)	02	Microbiology	2,72,650.00	SVIMS
14	Philips Defibrillator	01	Cardiology	3,25,000.00	SVIMS
15	Defibrillator	02	Cardiology	4,69,999.00	SVIMS
16	Multiparametr monitors	08	Emergency Medicine and Urology	10,32,595.00	SVIMS
17	Microplate washer	01	Microbiology	3,27,784.00	SVIMS
18	LAN Connectivity		MRD and Radiology	3,27,784.00	SVIMS
19	Certain Instruments		Neurosurgery	13,48,433.00	SVIMS
20	Mobile cancer screening bus along with equipments (Pink bus)	01	-	2,19,61,800.00	SBAVP and Targeted donations
21	Simulators		Pre clinical practice lab	4,46,51,200.00	SBAVP
22	Laminar Air flow	01	Virology	3,70,000.00	VRDL fund
23	Microplate washer	01	CfAR building	3,21,784.00	CfAR Donation
24	ECG machine	01	Surgical oncology	1,36,800.00	Surgical oncology renovation fund
25	DVT machine	02	Surgical oncology	3,15,840.00	Surgical oncology renovation fund
26	Ventilators	02	Surgical oncology	22,43,582.00	Surgical oncology renovation fund

10.0 DIETARY SERVICES

Chief Dietitian M. Sunitha Devi
Asst. Dietitians K Geetha & R Brahmini

Dietitian work as members of multi disciplinary team to look after patients who are under the care of consultants. Dietitian educates and advice patients with diet related disorders on the practical ways in which they can improve their health by adopting heal their eating habits.

The following number of patients is given diet counselling from January 2018 to December 2018.

Services provided

- Diet counseling to OPD and IPD inpatients referred by consultants.
- Diet counseling to all patients on MHD and CAPD (Nephrology dept).
- Diet counseling to all children who attend Paediatric OPD.
- Liquid diet supply to the inpatients who are unable to take solid diet.
- Diet supply to inpatients who admitted under Dr. NTRVS Scheme and PD Scheme.
- Regular inspection of canteen and mess to do sample tasting.
- Supply of dinner to duty doctors in different wards.
- Works as a part of a multi disciplinary team during.

Patients provided Counseling

S. No	Month	OPD	IPD
1	January	814	878
2	February	1053	1074
3	March	834	1157
4	April	946	1041
5	May	917	1180
6	June	788	1189
7	July	816	1541
8	August	821	1805
9	September	774	1669
10	October	886	3013
11	November	822	2882
12	December	833	2601

Diet supplied to various groups of patients for the year 2018.

S No	Month	Patients under Dr. NTRVS scheme	Patients under Pranadana scheme	Patients under Liquid diet
1	January	9615	35	2225
2	February	8970	38	1680
3	March	9839	NIL	1780
4	April	9078	45	1695
5	May	9420	44	1820
6	June	9346	80	1940
7	July	9624	60	1860
8	August	9666	33	2075
9	September	9622	16	2070
10	October	9576	29	1940
11	November	9046	60	2060
12	December	10231	65	2170

11.0 GENERAL MAINTENANCE

The department of General Maintenance under AD (GM) is looking after maintenance works like medical gases, telephone exchange, transport of vehicles, sanitary services, security, EO gas sterilization, electrical / civil / mechanical works, audio system arrangements, water supply services, hostel and quarters maintenance. Additionally, allotment of guest house, staff quarters are taken up.



XI STATUTORY BODIES



XI Statutory Bodies

The following bodies govern the institute

1.0 Governing Council

1.	Sri N. Chandra Babu Naidu, Hon'ble Chief Minister of A.P., Velagapudi.	Chairman Cum Chancellor
2.	Hon'ble Minister for Health & Medical Education, Govt. of A.P., Dr Kamineni Srinivas (upto March 2018) Sri N. Md Farook (from April 2018 onwards)	1 st Vice-Chairman
3.	Sri Putta Sudhakar Yadhav (from 24.04.2018) Chairman, TTD Board of Trustees, Tirupati.	2 nd Vice-Chairman
4.	Dr T.S. Ravikumar Director-cum-Vice Chancellor, SVIMS, Tirupati.	Member
5.	Smt Poonam Malakondaiah, IAS, Special Chief Secretary to Govt., Health Medical and Family Welfare Department, Govt. of AP, Velagapudi.	Member
6.	Sri Muddada Ravichandra, IAS, Special Chief Secretary to Govt. (Expenditure) Finance Department, AP Secretariat, Velagapudi.	Member
7.	Sri Anil Kumar Singhal, IAS Executive Officer, TTD, Tirupati	Member
8.	Dr. K. Manohar, Director, NIMS, Hyderabad	Member
9.	Prof. D.P.Singh, Chairman, UGC, New Delhi.	Member
10.	Director General of Health Services, Govt. of India, New Delhi. Dr (Prof.) Jagadish Prasad (upto June 2018) Dr S. Venkatesh (from July 2018)	Member
11.	President, Medical Council of India, New Delhi., Dr. (Ms) Jayshree Pranshankar Mehta (upto October 2018) Nominee by Board of Governors, MCI Dr. S. Geetha Lakshmi (from November, 16, 2018)Vice- Chancellor, The Tamil Nadu Dr MGR Medical University	Member
12.	Dr C.V. Rao, Vice-Chancellor, Dr NTR UHS, Vijayawada	Member
13.	Vice-Chancellor, S.V.University, Tirupati, Prof. A. Damodharam (up to 30.11.2018) Dr G.L. Janaki Ramaiah VC i/c (from 01-12-2018 onwards)	Member
14.	Dr PVLN Srinivasa Rao Dean, SVIMS, Tirupati	Member
15.	Sri Challa Ramachandra Reddy (from 22.04.2018) Member-TTD Board of Trustees, Tirupati	Member
16.	Sri E. Peddi Reddy (from 22.04.2018) Member - TTD Board of Trustees, Tirupati	Member
17.	Dr V. Siva Kumar, Sr.Prof., Dept. Nephrology, SVIMS	Member
18.	Dr M. Hanumantha Rao, Principal, SVIMS, SPMC(W)	Member
19.	Dr Digumarti Raghunadharao (Nominated by Academic Senate) Director, Homi Bhabha Cancer Hospital and Research Center Visakhapatnam	Member
20.	Dr I.V. Rao (Nominated by Academic Senate) Former Vice-Chancellor, Dr NTRUHS, Main Bazar, Kakinada, East Godavari Dist.	Member
21.	Prof. Arun Kumar Singh (Nominated by Academic Senate) National Advisor to Rastriya Bala Swasthya Karyakram Ministry of Health & Family Welfare, Govt. of India, New Delhi.	Member
22.	Sri Keshav Desiraju, IAS (Retd.) (Nominated by Academic Senate) Chairperson, PFI, New Delhi.	Member
23.	Dr T.C. Kalawat,Registrar, SVIMS, Tirupati.	Secretary

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2.0 The Executive Board

1.	Hon'ble Minister for Health & Medical Education, Govt. of A.P. Dr Kamineni Srinivas (upto March 2018) Sri N. Md Farook (from April 2018 onwards)	Chairman
2.	Sri Putta Sudhakar Yadhav, Chairman, TTD Board of trustees, Tirupati.	Vice-Chairman
3.	Dr T.S. Ravikumar, Director-cum-Vice Chancellor, SVIMS, Tirupati.	Member
4.	Smt Poonam Malakondaiah, IAS, Special Chief Secretary to Govt. Health, Medical and Family Welfare Department, Govt. of Andhra Pradesh, Velagapudi.	Member
5.	Dr M. Ravichandra, IAS, Special Chief Secretary to Govt. (Expenditure), Finance Department, Govt. of Andhra Pradesh, Velagapudi.	Member
6.	Sri Anil Kumar Singhal, IAS, Executive Officer, TTD, Tirupati	Member
7.	Dr PVLN Srinivasa Rao, Dean, SVIMS, Tirupati	Member
8.	Smt. Sudha Narayana Murthy (from 22.04.2018) Member-TTD Board of Trustees	Member

The meetings were held on 01.12.2018 and 18.01.2019

3.0 Finance Committee

1.	Dr T.S. Ravikumar, Director-cum-Vice Chancellor, SVIMS, Tirupati.	Chairperson
2.	Smt Poonam Malakondaiah, IAS, Special Chief Secretary to Govt., Health, Medical and Family Welfare Department, Govt. of AP, Velagapudi.	Member
3.	Dr M. Ravichandra, IAS, Special Chief Secretary to Govt. (Expenditure), Finance Department, Govt. of AP, Velagapudi.	Member
4.	Sri Anil Kumar Singhal, IAS, Executive Officer, TTD, Tirupati	Member
5.	Dr T.C. Kalawat, Registrar, SVIMS	Secretary

The meeting was held on 18.01.2019

4.0 Academic Senate

1.	Dr T.S. Ravikumar, Director Cum Vice Chancellor, SVIMS	- Chairperson
2.	Dr PVLN Srinivasa Rao, Dean, SVIMS	- Member-Secretary
3.	Director of Medical Education, Govt. of A.P., Vijayawada	- Member
4.	All the Heads of the Departments, SVIMS, Tirupati	Members
5.	Dr Swapna Jilla (Nominated by Director-cum-VC) Asst. Professor of Radiotherapy, , SVIMS	- Member
6.	Dr Ravi Sankar (Nominated by Director-cum-VC) Asst. Professor of Community Medicine, SVIMS	- Member
7.	Dr. Vishupriya Rao (Nominated by Director-cum-VC) Endocrinologist, Hyderabad	- External Member -Hon. Consultant
8.	Dr. Narendra Reddy Busireddy(Nominated by Director-cum-VC), Orthopedician, BMR Hospitals, Guntur	- External Member - Hon. Consultant

The meetings were held on 29.03.2018, 11.04.2018, 11.07.2018 and 06.12.2018



XII ADMINISTRATIVE SET-UP



XII Administrative set-up

1.0 Heads of the departments

Sl. No.	Department	Name of the HOD
1.	Anaesthesiology	Dr Aloka Samantaray
2.	Anatomy	Dr V.Subhadra Devi
3.	Biochemistry	Dr PVLN. Srinivasa Rao
4.	Bioinformatics	Dr A.Umamaheswari
5.	Biotechnology	Dr PVGK. Sarma
6.	Cardiology	Dr D.Rajasekhar
7.	Cardiothoracic Surgery	Dr Abha Chandra
8.	Community Medicine	Dr K.Nagaraju
9.	Dental Surgery	Dr S.Madhu Babu i/c
10.	Dermatology	Dr T.Ram Sharan
11.	Emergency Medicine	Dr R. Balakrishna
12.	Endocrinology	Dr Alok Sachan
13.	Forensic Medicine	Dr K.Bhaskar Reddy
14.	General Surgery	Dr Y.Mutheeswaraiah
15.	Haematology	Dr C.Chandra Sekhar
16.	Translational Medicine	Dr K.V. Sreedhar Babu
17.	Medical Oncology	Dr T.Kannan
18.	Medicine	Dr Alladi Mohan
19.	Microbiology	Dr K.K.Sharma i/c
20.	Nephrology	Dr R.Ram
21.	Neurology	Dr B.Vengamma
22.	Neurosurgery	Dr V.V. Ramesh Chandra
23.	Nuclear Medicine	Dr T.C.Kalawat
24.	Obstetrics & Gynaecology	Dr J.Malathi i/c
25.	Ophthalmology	Dr P. Prabhanjankumar i/c
26.	ENT	Dr V.Venkateswarlu
27.	Paediatrics	Dr Pala Padmavathi
28.	Pathology	Dr Aruna Prayaga
29.	Pharmacology	Dr K.Umamaheswara Rao
30.	Psychiatry	Dr B. Shivanandh i/c
31.	Physiology	Dr Sharan B Singh M
32.	Radio-diagnosis	Dr AY. Lakshmi
33.	Radiotherapy	Dr B.V.Subramanian i/c
34.	Rheumatology	Dr K.Sirisha i/c
35.	Surgical GE	Dr V.Venkatarami Reddy
36.	Surgical Oncology	Dr H.Narendra
37.	Urology	Dr N.Anil Kumar

2.0 General Administration

Personnel Manager &	
Dy. Director (Admin) i/c	- Dr N.Adikrishnaiah
Accounts Officer	- Sri S.V.V.S. Prasad
Dy. Director (S&P)	- Sri D.Dileep Kumar
Dy. Director (P.R)	- Dr Y.Venkatarami Reddy
Asst. Director (Dialysis PPP unit)	- Smt M.Prasanna Lakshmi
Asst. Director (Billing)	- Sri G.Suresh Kumar
Asst. Director(Establishment)	- Smt N.Sireesha
Asst. Director (Establishment)	- Smt G.Bhagyasri
Asst. Director (O/o Director)	- Smt G.P.Manjula
Asst. Director (NABH)	- Sri G.Babu
Asst. Director (General Maint.)	- Sri P.Ravindra Babu
Asst. Director (PR)	- Sri V.Rajasekar
Asst. Director (Audit)	- Sri G.Dargaiah

3.0 University Administration

Dean	- Dr PVLN. Srinivasa Rao
Registrar i/c	- Dr T.C. Kalawat
Principal, SVIMS SPMC(W)	- Dr M.Hanumantha Rao
Controller of Exams i/c	- Dr H.Narendra
Principal i/c, CON	- Dr P.Sudha Rani
Principal i/c, COP	- Dr K.Madhavi
Deputy Registrar	- Dr M.Yerrama Reddy
Asst. Director, SVIMS SPMC(W)	- Sri L.Sateesh
Asst. Director (Exams)	- Smt V.Sasikala
Asst. Director (Academic)	- Sri D.Ananda Babu
Librarian	- Sri K.Neelakanta Chetty
Asst. Librarian	- Dr A. Omkar Murthy

4.0 Hospital Administration

Medical Supdt.	- Dr Alok Sachan
RMO – I	- Dr B.Govindanarayana
RMO – II	- Dr K.V.Koti Reddy
RMO-III	- Dr N.Vikas
Chief MEDCO–Dr. NTRVSS-	Dr A.Lokeswara Reddy
Nursing Supdt. Gr –I	- Smt C.Sunitha
Chief Medical Records Officer	- Dr K.Vivekanand
Medico Social Worker	- Sri N.V.S. Prasad

5.0 Technical administration

Civil Engineering	- Sri D.E. Sheriff
	Dy. E.E, TTD
Elec. Engineering	- Sri D.Subramanyam Raju,
	A.E, TTD
Biomedical Engg.	- Sri E.Doraiswamy
M.C.P.O	- Sri V.Sudarshan



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