



**SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES**

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

**TIRUMALA TIRUPATI DEVASTHANAMS**



# SVIMS CHRONICLE

*A Publication for Friends and Colleagues of SVIMS*



శ్రీ వేంకటేశ్వర వైద్య విజ్ఞాన సంస్థ (స్వీమ్స్)  
Tirumala Tirupati Devasthanams  
SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES, TIRUPATI

**SRI VENKATESWARA  
INSTITUTE OF  
MEDICAL SCIENCES**

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## From the Director/Vice Chancellor's Desk



*Congratulations SVIMS family!*

*We are on a trajectory of excellence - keep it up SVIMS!!*

*Can we climb to the top? Yes, we can. All that is required is commitment to excel and ownership of each one's area of work.*

*Building a high reliability organization is dependent on "collective mindfulness". Let us strive for excellence, and put patients first.*

**First in Service, Best in Practice**

**సేవలో ప్రథమం, ఆచరణలో ఉత్తమం**

*Om Namō Venkatesaya!*

**Prof.T.S.Ravikumar**  
**Director cum Vice Chancellor**

### SVIMS Chronicle Editorial Board

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## NIRF Certificates Presented to SVIMS



Sri Venkateswara Institute of Medical Sciences received the formal certificate of ranking under the National Institutional Ranking Framework (NIRF) recently from the Ministry of Human Resource Development, Govt. of India. The Director cum VC, Prof. T.S.Ravikumar expressed his satisfaction that the institute in its maiden attempt has achieved a rank of 62 among all Universities and 89 Overall rank among 957 participating educational institutions. He congratulated the NIRF coordinator Prof. V. Suresh and his team for the success of the efforts that they had put in. Prof V. Suresh in turn expressed his deep appreciation and thanks to all the staff of SVIMS who helped him including the Deputy Registrar Dr. Yerram Reddy, the Deputy Director (Admn.) Dr. N. Adikrishniah, Mr. Gunashekhar PA, K. Srinivasulu, PA to the Director and all other team members whose untiring efforts were instrumental in achieving this distinction. Prof. Ravikumar stated that rankings will improve further next year in view of the efforts being made to improve the Research output of the institute.

### AAA RATING TO SVIMS

SVIMS stood at 31 among top 100 medical universities in the country and was ranked 2nd in the state in a survey conducted by Careers 360 magazine. SVIMS was rated AAA in this survey.

## Anatomical Facts in Applied Conditions using Animal Models

### *Journey from dead to living!*

Scientific experiments and research using animals have significant importance in the improvement of human health. Animal experiments are vital to the various biomedical emergencies and inventions. However, some persons believe that the cost to the animals is often expensive, which is not so in most instances.



The knowledge and scope of animal usage in fundamental and medical research, and concerns of various regulatory authorities such as CPCSEA & Animal welfare organizations are vital to any basic and advanced research organization like ours.

Our Department members attended a training session (Hands on practice) at Laboratory Animal Medicine (LAM), Tamil Nadu Veterinary and Animal Sciences University, where our team (Faculty and PhD Scholars) mastered the following areas:

#### **1. Ethics and Animal welfare in Animal experimentation, CPCSEA, IAEC constitution and importance of properly filling necessary documentation and form B:**

Ethical principles involved in the conduct of experiments with animals, are important for researchers, especially those relating to the choice of species. CPCSEA laid down a few requirements to avoid potential harm to animals arising from any procedure and protocols. They should be assessed and addressed in advance with justification in terms of its possible benefits to society. Similarly knowledge of documentation for various stages of experiments in the view of various national and international regulatory bodies is an essential component in a research career.

#### **2. Lab Animal Facility Design and layout planning as per the guidelines from CPCSEA:**

Properly designed facilities, effective management and high-quality day-to-day animal care is required for supporting animal research and testing. There are multiple solutions to be addressed and innumerable factors that influence the design and construction of animal research facilities. There is no "Ideal" design applicable for all facilities and debatably not even a single "greatest" design for a given facility. But as per

the requirements of the research facilities we can plan the design while considering the guidelines of the CPCSEA.

#### **3. Biology and Behaviour of the laboratory**

**Animals:** In order to do experiment on laboratory animals one should be aware of its normal biology and behaviour. Any minute deviation from normal biology and behaviour has a significant inference and signal to the researcher.

#### **4. Basic Statistics and various experimental designs:**

To represent any scientific research data statistical representation of the same is necessary in order to appreciate applicability and adoptability of the research findings. Knowledge about the experimental design could minimize the repetition of the runs and thereby the expenditure of the experiment. Good experimental design and proper statistical tests could be useful in effective communication of the research findings.

#### **5. Health Monitoring and occupational hazards:**

Health and Occupational hazards are the unavoidable circumstances in the laboratory environment. Hence it is essential to identify and rectify the issues related to health of the laboratory animals and occupation hazards to laboratory staff, as they highly influence the outcomes of the research study.

#### **6. Administration of drugs in laboratory animals through different routes:**

Experimental animals are mainly meant for experiments. Most of these experiments include the administration of the drugs and other liquid infusions. It requires the knowledge of various routes of drug administration.

#### **7. Handling, Sexing and restraint of the laboratory animals:**

Animals especially rodents are highly exploratory in nature. Handling and care of the rodents are very important to get co-operation from the experimental animal as without co-operation from rodents it's highly impossible to carry out the experimentation. Sexing and restraining of experimental animals is also important in certain circumstances, which involve reproductive and behavioural experiments.

#### **8. Blood collection; Anaesthesia in laboratory animals:**

Anaesthesia is an important aspect in the laboratory animal experimental procedure as we

require to withdraw the blood for various laboratory investigations. One must master the blood collection techniques for experimental animals and various commonest sites for it, and the amount of blood that can be withdrawn from each site.

**9. Euthanasia procedure and necropsy of laboratory animals:** Euthanasia procedure and various methods of euthanasia are also important in-order to perform the surgeries to collect the required part (sample) from the laboratory animal at necropsy.

**10. Case Studies and presentation:** Progress and knowledge acquired should always have applicability. The knowledge gained in the Hands on training in laboratory animal experimentation by improving know-do-gap under various given conditions right from documentation preparation to presentation to the respective authorities (CPCSEA- Representative). Based on the feedback, necessary suggested changes have to be adopted and improved.

Hence we from the Anatomy Department of SVIMS-SPMC(W) are ready to conduct laboratory animal experiments and also willing to review and suggest measures to those who require it, in the area of laboratory animal experimentations and various aspects of it right from documentation, research design, form filling and analysis.

**Dr. V. Subhadra Devi,  
Professor and HoD,  
Department of Anatomy, SVIMS.**

## SILVER BLAZE

Cloud nine was the stratum on which I was walking after the completion of DM Nephrology. I had a two month mandatory period to fulfil. He, a young aspirant with a fond hopes to join Nephrology and became my room-mate. An energetic and happy go lucky fellow, a talking machine and could labour for hours without a bead of sweat. We both had few differences – I am a morning lark and he was a night owl. But for this I discovered (Dr) Watson to my alter ego, Sherlock Holmes. He tagged to me like a pursuer.

As is my wont I left early to the ward on that day, when he called at midday to say that he had body pains that incapacitated him and also feverish. I gave a condescending medical advice and forgot him. I failed to observe that he didn't join me for lunch. Later in the afternoon he called me in a whining voice that he was unable to raise from the bed. I had an instant umbrage at him for not being into the work from morning. But the sob in his voice made me to suspect my own displeasure.

In the room he was indeed unable to move; his limbs which appear swollen firm, and warm. He could not complete even a short sentence in one breath. I didn't fail to notice flail jaw and wet shirt out of sweat. It was utter shock and mad panic. I alerted all other guys and shifted him to emergency. I pondered a smorgasbord of possibilities from poisoning to Guillain Barre syndrome to psychosis. He required mechanical ventilator and the mystery deepened.

The team nephrology looked up to me for I am the one at whose elbow he was working. The burden to unknot the puzzle was heavy on my shoulders. I started with disbelief that this boy would have had suicidal intent.

In several tides of thoughts I could recollect that much to his chagrin he felt that he gained weight ever since he joined nephrology. He avoided mirror to not to see his double chin. Nephrology usually saps weight of a resident but I refused to acknowledge his constant loud thoughts of weight gain. He started pumping iron in the basement of hostel only a week before.

Sherlock Holmes had been asked to investigate the disappearance of the champion racehorse, Silver Blaze, and the murder of its trainer, John Straker; telegrams had been received from both Colonel Ross, Silver Blaze's owner, and Inspector Gregory of Scotland Yard. With so much money riding on Silver Blaze extra precautions were being taken at

Colonel Ross' stables. The trainer, John Straker, was a long-time associate of Ross, both as a jockey and trainer, and he and the three lads were trusted. On one night, John Straker would leave the house, and he would not be seen alive again and the racehorse disappeared. It is believed that a stranger stole the horse and killed the trainer John Straker, but Holmes is able to pin the horse's disappearance on the horse's late trainer, John Straker, because a dog at the horse's stable did not bark on the night of his disappearance. The following exchange takes place in the short story:

Holmes: "That was the curious incident."

Gregory (Scotland Yard detective): "Is there any other point to which you would wish to draw my attention?"

Holmes: "To the curious incident of the dog in the night-time."

Gregory: "The dog did *nothing* in the night-time."

According to Holmes, "I had grasped the significance of the silence of the dog, for one true inference invariably suggests others....Obviously the midnight visitor was someone whom the dog knew well. It was Straker who removed Silver Blaze from his stall and led him out on to the moor." (from The Adventure of Silver Blaze, one of the 56 Sherlock Holmes short stories written by British author Sir Arthur Conan Doyle)

I had my Silver Blaze moment. Why, curiously, he gained weight when it is a custom to lose weight after joining nephrology? Why? It dawned to me and the farrago of events cleared. He gained for some reason. He started body building to fight it. He collapsed. Which is the condition when one gains weight? I listed all. I remembered the three layered conundrum, "a riddle, wrapped in a mystery, inside an enigma"; I found the key. The diagnosis was staring. Thyroid stimulating hormone  $>100 \mu\text{IU}/\text{MI}$  → exercise of muscles with no fuel to support their basal metabolic rate → muscle breakdown → creatinine phosphokinase  $>10,000 \text{ mcg}/\text{L}$  → hyperkalaemia → collapse of the heart.

We dialysed him. He fought. Now a leading Nephrologist. I learnt the lesson.

Dedicated to Sir Arthur Conan Doyle.

Thanks to Sangeetha and Sai for inspiration.

**Dr. Ram, Professor,  
Dept. of Nephrology, SVIMS**

## INITIATION OF PEPTIDE RECEPTOR RADIONUCLIDE THERAPY IN SVIMS

SVIMS developed facility to treat thyroid cancer through the inauguration of the radionuclide therapy ward which has been highlighted in the last chronicle. This facility was inaugurated by none other than Ms Jayashree Mehta, President of the MCI and presided over by various other dignitaries.

The administration of radio nuclides needs isolation as some are highly volatile and they get excreted in urine and through perspiration. To prevent the general public from getting exposed to Radioactive Iodine as it enters Biological chain, the sullage and sewage collected from isolation wards has to be stored, till the radiation level reaches background levels before it is released into regular sanitation.

Such an isolation ward, with a delay and decay tank is not available in any of the government hospitals in residual Andhra Pradesh. The administration of SVIMS with the help of TTD has initiated and completed the construction of a High dose Radionuclide therapy ward which is a boon for patients suffering from endocrine and pancreatic malignancies in and around residual Andhra Pradesh.

Some malignancies express certain type of receptors. Peptides binding to these receptors are conjugated to radionuclides via chelators. Radiopharmaceutical therapy is now the best among available options for low and intermediate grade metastatic Neuroendocrine tumors of Gastroenteropancreatic origin and metastatic or inoperable Pheochromocytoma/neuroblastoma. Radiopharmaceutical therapy is also approved in various haematological malignancies ; some as 1<sup>st</sup> line and others as 2<sup>nd</sup> line.

A lot of research is ongoing for treatment of hormone refractory prostate cancer with beta emitter and alpha particle labeled radiopharmaceuticals. Preliminary data shows excellent results.

We are happy to announce that we have started PRRT and have given the 1<sup>st</sup> cycle of PRRT for a small child suffering from metastatic rectal NET.

We invite patients suffering from thyroid cancer and other endocrine malignancies to utilize these facilities if needed. We also invite clinicians to refer patients of endocrine malignancies . With opening of this facility, SVIMS can treat all endocrine malignancies of various stages under one roof. This is small step but a giant leap in making SVIMS a centre of excellence in Endocrine Oncology.

SVIMS is the only centre in Andhra Pradesh with a full fledged surgical, medical, radioisotope, endocrine and radiation facilities bringing holistic care for endocrine malignancy patients.

**Dr. Ranadheer Mantri**  
Assoc. Professor,  
Dept of Nuclear Medicine, SVIMS

It is our endeavour to gradually evolve a system based teaching for the pre and para-clinical subjects in the first phase, followed by vertical integration of important clinical subject topics.

**Dr. Abhijit Chowdary**  
Professor,  
Dept. of Microbiology, SVIMS.

## INTEGRATED TEACHING FOR MBBS STUDENTS

## GENE



Integrated teaching program in progress in SVIMS-SPMCW

The medical curriculum for MBBS students in India follows the archaic British system in which each subject is compartmentalized and teaching is done in a disjointed manner. The subjects are divided into pre-clinical para-clinical, and clinical domains with unnecessary repetition of subject matter which is confusing to the students. Most often, one subject's teacher is totally unaware and unconcerned about the topics taught in other subjects. To offset these and other problems, the worldwide trend is to shift to an integrated teaching method. The integrated method involves imparting medical knowledge in a system based, sequential manner by teachers of different subjects which helps in preventing unnecessary repetition of information by different departments.

Sri Padmavathi Medical College for women which is a part of SVIMS University has taken up the task of introducing modular integrated teaching for the MBBS students within the rigid framework of university and MCI based curriculum. For the first year students, horizontal integrated teaching of selected topics has already been conducted for three successive years (2016-2018) by the three departments of Anatomy, Physiology, and Biochemistry. For the students who have started clinical rotation, vertical integrated teaching programmes are being conducted from 2016 onwards. The Director-cum-Vice Chancellor, who takes a keen interest in undergraduate medical education, has himself provided a list of common clinical conditions like anaemia, myocardial infarction, pulmonary tuberculosis etc. which an MBBS graduate should be able to diagnose and manage. These individual disease conditions are being covered under the vertical integration by teachers from para-clinical and clinical subjects, sometimes assisted by pre-clinical subjects.

A gene present on a genome corresponds to a unit of inheritance, which is linked with regulatory regions, transcribed regions and/or other functional sequence regions. The physical growth and phenotype of organisms can be understood to be a product of genes act together with each other and with the environment, and genes can be considered as units of inheritance.

A brief definition of gene is that , it is a long strand of DNA sequence that contains a promoter, which controls the activity of a gene, and a coding sequence, which determines what the gene produces and a termination sequence. The gene becomes active when the coding sequence is decoded into a RNA. This process is known as transcription. The resultant RNA is referred to as messenger RNA. The triplet bases on RNA, known as genetic code direct the synthesis of proteins. However, RNAs can also be used directly, for example as part of the ribosome called as ribosomal RNA and transfer RNA which carries the amino acids specific to the sequence present on the mRNA. All these RNA molecules causes a gene to function to determine the phenotype of the organism. This process is known as gene expression, whereas RNA or protein, are known as gene products. In eukaryotes this process of RNA synthesis is regulated by the interactions of several proteins known as transcription factors (TFs). TFs direct the genes, which in turn causes differentiation of a cell into tissue, followed by organ and finally organism. Thus, a phenotype of an organism is truly the expression of its genome.

In eukaryotes majority of the genes contain non-coding regions that do not code for the gene products, but regulate gene expression. These non-coding regions are known as introns that are removed from the messenger RNA in a process known as splicing. The regions that actually encode the gene product, which are

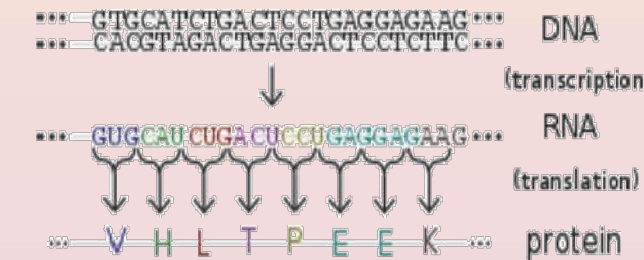
usually much smaller than the introns, are known as exons.

A single gene has the capacity to synthesize many proteins through the different arrangements of exons produced by alternative splicings. The sum total of genes in an organism or cell is known as its genome.

The genome size of an organism is generally lower in prokaryotes and archaea both in number of base pairs and number of genes. In these organisms entire genome contains genes that are required for its survival in different niches. The number of genes or genome complexity is not related to the size of the organism. One of the major known genomes present in a single-celled protozoan *Amoeba dubia*, has more than 670 billion base pairs and it is 200 times larger than the human genome.

The predicted number of genes in the human genome is being continuously revised downwards ever since the deciphering of the Human Genome sequence; currently it is thought that the human genome is around 3 billion base pairs having 20,000–25,000 genes. The density of genes in a genome is calculated as number of genes per million base pairs; prokaryotic genomes have much higher gene densities than eukaryotes. The gene density of the human genome is about 12–15 genes/Mb.

In complex genomes like the human genome there are regulatory proteins/enzymes that modify bases by adding small molecules such as methyl, phosphate, acetate etc and these additions activate genes which are normally inactive. Such modifications are referred to as epigenetic variations; both epigenetic and genetic variations contribute in the embryonic development, differentiation and sometimes causing diseases such as cancer. Therefore; studying genes in an organism helps not only to understand the survivability of the organism in different environmental conditions but also the variations in them causing several pathological



conditions including cancer.

**Dr. P.V.G.K. Sharma,**  
**Assoc. Professor and HoD,**  
**Department of Biotechnology,**  
**SVIMS.**

**MILESTONES OF SVIMS  
 PHYSIOH THERAPY DEPARTMENT**

**A** young girl of 21 years old freshly graduated professional (physiotherapy) with lot of enthusiasm, energy and dynamism entered into the place of service, sacrifice, satisfaction, passion with lot of hands on experience in the parent institute (Government institute of rehabilitation medicine, K.K. Nagar) helped her to establish the department independently by herself with guidance from her professors. Here are the **milestones** of the department.

**Phase of birth:** Department of Physiotherapy started in the year 1993. During that time **Physiotherapy** was a new terminology in the medical field and a new experience to the health seekers in the institute. By creating awareness about the profession in the institute and educating the public about the benefits of the therapy, she could achieve a great response from the patients with co-operation and support from medical, nursing and allied health professionals in the institute.

**Second Phase: Rolling**

Department started at an average of 40-44 in and out patients per day ( 8:00 am to 7:00 pm) except for Sundays. She used to work with lot of energy ,commitment ,consent to do service. Co-ordination is the first foot of her success in establishing clinical set-up in the institute.

Clinically many neurological cases entered into the department. Patients entered the institute on wheel chair and left the department walking with minimal support (hemiplegic, paraplegia, quadriplegia, Guillian barre syndrome, post head injury sequels, cerebral palsy Erb's palsy) many Erb's palsy (unilateral, bilaterally) have recovered to normal, persons with restricted movements of neck, back, extremities were made comfortable with magic of physiotherapy . For example of unique case where a paediatric had developed hip knee flexion tightness due to continuous usage of diaper (15 days old baby) referred from SVRR , paediatrics department. The baby was treated with techniques of physiotherapy and was back to normal. Parents left the department with smile in their face and enjoying the normal kicking movements of their baby.

**Third Phase: Crawling Phase**

Within two years (1993-1995) the patient developed so much of attachment with the department. till date the patients are in touch with her and with depart. even after 25 years. Later, in 1995 the academic carrier was started which she was not interested to take up. As an youngster she felt that she needs to regulate, sacrifice her time for clinical side and wanted to be an example for the the student community. Having lot of passion for clinicals, but officially she was forced take the charge as academician. She developed continuous student interaction personally, academically, clinically and as guardian in all issues made her to develop the passion towards academic set up. With lot of up and down experiences in the academic set up administrative field she learnt what life is.

A young bud started blooming with all experiences which made her walk forward upgrading herself as well as the institute as one of the best physiotherapy colleges in India as well as in abroad.



Dr. K. Madhavi (middle) with students of first batch (1995) of Post Graduate Diploma in Physiotherapy .

Staying under the foot hills of lord Venkateswara, she believes every step she achieved is with blessing and order of Lord Balaji. She now wants to take her steps towards research and also wants to make the college self sustainable in future with professionalism. **SEVEN STEPS (S – Serve with Sincerity, E –Encourage, Enthusiasm, Commitment, hard work, V-Vision, E-Energy, N–Novelty to step up the best she can do to the institute.**

This is the 25 years of travel; she started from North West corner of the campus to South West corner of the campus (present physiotherapy college). Which gives the message that sustained hard work and committed service brings fruitful results.

From the clinical set up as a foundation, the department (**sitting to standing**) has also spread its branches to the academic side and developed significantly over the years. (started with PG diploma in physiotherapy to Ph.D).

Clinically: Department has established itself and developed from physically immobilized to physically mobile.

Academically – Alumni of college have spread from Andhra to America in all aspects.

Physiotherapy has to walk, run independently, financially with fund raising. Department is slowly making an effort to reach research uplift in the college.

- P** – Passion, Commitment towards the profession.
- H**- Hard work honesty, loyalty.
- Y**- Yielding
- S** – Strong mind / sincerity
- I** – Initiative
- O** – Overall development
- T** – Teaching
- H** – Healing
- E** – Education
- R** - Research
- A** – Associated
- P** – Professionals
- Y** – Years (successful)

**Dr. K. Madhavi, Principal,  
College of Physiotherapy, SVIMS.**

## Aging- The ravages of time

When we observe the profile of diseases in different medical specialities what really stands out is the preponderance of non-communicable diseases, most of which are degenerative in nature- bad knees, loose teeth, poor vision, weak heart, diabetes, high blood pressure, stooped back, poor memory. A lot of this has to do with aging related wear and tear and accumulation of minor imperfections in various organs.

In nature death due to old age is the exception rather than the rule- as most deaths occur at a young age itself due to infectious disease or predation. Thus in the forest you are more likely to be eaten up by a lion or tiger or consumed by malaria rather than die a “natural” death. Till the 1920s people in India expected only to live into the 40s. One would be considered “old” in the fifth decade of life. Women rarely would have experienced menopause. Present lifespan of nearly 70 years has been made possible only through better nutrition and advances in medical care.

Interestingly diseases of degenerative nature first appear in the 40s-50s: whether it be coronary artery disease, menopause, osteoporosis etc. That raises the tantalizing possibility; is the human body designed to live only for four or five decades. Are we stretching it out too long. Let us study this postulate. As per Darwin’s theory, evolution occurs as a result of a struggle for survival in a resource limited environment. Those with healthy traits survive and transmit their better genes to their offspring. However in this process, only traits which ensure a healthy life up to the end of the reproductive period get transmitted after being selected out (eg. the 4<sup>th</sup> or 5<sup>th</sup> decade in women- after which menopause occurs). Traits which ensure a long fruitful life in old age do ensure longer survival of the individual but do not get transmitted to the next generation as by that time reproductive capacity would be over. Thus evolution does not work towards improvement of post-reproductive life.

Anybody who lights a lamp daily would have noticed the blackening of the lamp itself- lamp black often used as an eye-liner or Kajal . Equally a slow and controlled fire is continuously burning in our body – keeping us warm at 37 degrees Celsius. But however controlled the fire, some misdirected energy generated by this burning of fuel (i.e food) causes the unintended formation of free radicals particularly superoxides in the energy generator of the cell : the mitochondria. Thus the food that we eat sustains us, but also slowly burns us out. And the burnt residue is truly black – like lamp black ; it is called Lipofuscin. So some say emphatically that aging is due to accumulation of free radical damage.

Others say that it is the third law of thermodynamics- in an isolated system, disorder (entropy) always increases with time. Accumulation of microdefects occurs at all levels – from tiny DNA damage to chromosomal telomere shortening to gross loss of knee cartilage . In this, the body is not unlike an old fridge or TV. Whatever be the reason, aging currently seems inevitable. The “Fall of Man” began when he ate the apple from the tree of knowledge. Now a flaming sword guards the Tree of Life in the Garden of Eden that man may not eat there from. But he has always sought immortality and eternal youth The snake stole the plant of immortality from the Gilgamesh in the Sumerian epic. Our own Yayati enjoyed youth for a thousand years and realized the utter futility of rejuvenation. Will man conquer aging? Would it be wise to do so ? Only time will tell.

**Dr.V.Suresh, Professor,  
Dept. of Endocrinology, SVIMS.**



## RESEARCH AND ITS IMPACT ON CLINICAL PERSPECTIVE: SVIMS CONTRIBUTION

Hello dear colleagues. To start with, my association with research at SVIMS began with my appointment in the capacity of Assistant Professor in 2005, following my tenure as Senior resident. As part of the faculty responsibilities, I was entrusted with the precious work of guiding post graduate students and research scholars. I played my role as a guide by way of stimulating the students into research by encouraging them to raise a research question and understand its importance and as co-guide by executing the responsibility entrusted to me. In this way my contribution towards the departmental research consisted of overseeing and participating in the setting up of manual chemical methods which included reagent preparation and method standardization. The methods included ischemia modified albumin (IMA), antioxidant markers such as Vitamin C, enzymes such as catalase, glutathione peroxidase, glutathione reductase, glutathione, superoxide dismutase, myeloperoxidase (MPO), total antioxidant capacity of plasma measured as ferric reducing ability of plasma (FRAP), markers of oxidative damage such as protein carbonyls (PCO) and protein thiols. In addition to these chemical methods, automated and semi automated end point assays for novel and traditional cardiovascular risk factors and adenosine deaminase (ADA) were estimated using commercially available kits.

A few observations of some of the research outcomes are highlighted. ADA an enzyme of the purine metabolism, associated with T lymphocyte activity is a well known biomarker used primarily for diagnosis of tuberculosis in India. ADA has been reported to be elevated in tumor tissue and in blood in malignancies, due to uncontrolled cell proliferation and DNA turnover. We found elevation of serum ADA in gastric cancer which was a stronger predictor of outcome when compared to carcinoembryonic antigen (CEA).<sup>1</sup> ADA is considered as a marker of cell mediated immunity. The link between inflammation and immune response led us to hypothesize the role of ADA as a marker of inflammation. In our study in patients with type 2 diabetes mellitus (T2DM), who were not on any form of treatment, we found elevation of serum ADA levels which had a positive correlation with blood sugar levels.<sup>2</sup> Hence we proposed that ADA estimation being a simple and cost effective tool can be considered as tumor marker and also a inflammatory marker. However the disadvantage is that ADA is sensitive but is not specific.

The FRAP assay includes the participation of many antioxidant molecules such as Vitamin C, Vitamin E, bilirubin and uric acid, with uric acid contributing to 60% of FRAP. In our study in patients on maintenance

hemodialysis, we reported a decrease in intradialytic plasma FRAP levels, attributed to a decrease in uric acid levels due to clearance of uric acid in hemodialysis.<sup>3</sup> We reported the oxidative stress biomarkers serum PCO and IMA elevation in patients with subclinical hypothyroidism.<sup>4</sup> In our study in patients with rheumatoid arthritis, we observed an increase in PCO and a decrease in protein thiols.<sup>5</sup> PCO indicate protein damage which is a stable marker of oxidative stress as the damage produced is found to accumulate over time. Protein thiols are indicative of the antioxidant property of protein, the decrease of which indicates oxidative stress. MPO an enzyme found within circulating neutrophils produces hypochlorous acid during the respiratory burst, used to kill pathogens, and may also produce damage to host tissue structures. Hence MPO is linked to both inflammation and oxidative stress and its elevation may be a preceding event leading to oxidative stress. In our study in patients with coronary artery disease (CAD), MPO, PCO were elevated and FRAP levels were decreased. We found MPO was to be a strong predictor of CAD, and is indicative of plaque instability.<sup>6</sup>

We observed that the dyslipidemia of T2DM became more pronounced with onset of nephropathy, with elevation in Lp(a), lipid ratios and atherogenic indices, which were proposed to be considered as better indicators of atherogenic index. In our study in pediatric obesity, we reported dyslipidemia, oxidative stress, insulin resistance and endothelial dysfunction, which are all components of metabolic syndrome, stressing the importance of screening for cardiovascular risk in obese children and thereby catching them young.<sup>8</sup> This study published in "Indian Pediatrics" journal was well received by the scientific community and subsequently it won the "Dr. Subhashini and Dr. Kamalakar Reddy" gold medal award for best original article awarded by SVIMS university in the SVIMS 25th Anniversary Silver Jubilee celebrations in 2018. These obese children were normoglycemic with presence of insulin resistance. Among the various various insulin resistance indices studied in these children, we found homeostasis model of assessment of Insulin resistance (HOMA- IR) to be a better predictor of insulin resistance.<sup>9</sup> Research is not possible without team work, which I acknowledge with gratitude towards the Institute and department for having given me the opportunity, support and guidance.

**Dr. M. M. Suchitra,  
Assoc. Professor,  
Dept. of Biochemistry,  
SVIMS.**

## TTD BOARD CHAIRMAN ALONG WITH BOARD MEMBERS VISITED SVIMS



Dr.T.S.Ravikumar, SVIMS Director cum VC, felicitating TTD Board Chairman Sri. Putta Sudhakar Yadav garu. TTD Board members Smt. Sudha Narayana Murthy and Sri. Challa Ramachandra Reddy can be seen in the photo

TTD Board Chairman Sri. Putta Sudhakar Yadav garu and TTD Board members Sri. Challa Ramachandra Reddy garu, Smt. Sudha Narayana Murthy garu visited SVIMS on 16.05.2018.

During a meeting, SVIMS Director cum Vice Chancellor Dr. T. S. Ravikumar presented a brief genesis of SVIMS. He underlined the major achievements of SVIMS in the past 25 years and presented the budgetary requirement of the hospital for its development and maintenance.

“SVIMS has been delivering services to the poor for the past 25 year in this region and we extend our support for its further development” said TTD Board Chairman Sri. Putta Sudhakar Yadav garu during the meeting.

## FAILURE MODES & EFFECTS ANALYSES (FMEA) TALK AND WORKSHOP CONDUCTED



Dr.T.S.Ravikumar delivering a talk on Failure Modes & Effects Analysis

Dr. T. S. Ravikumar has been recently nominated to the “Chittur Viswanathan Parvathi Endowed Chair in Healthcare Quality & Patient Safety” by the Academic Senate based on his credentials & commitment to quality / patient safety. Being a leader for Quality and Patient Safety in the organization, he has been organizing series of modules on Patient Safety Curriculum. The first module was on “Escape Fire & the Artful Science of Patient Safety”. A talk & incident modeled workshop on **Failure Modes & Effects Analysis**

(FMEA) was conducted on 19-04-2018. “FMEA is a step-by-step process of identifying all possible failures in a system and working to reduce the failures. Bringing this model of analysis into the healthcare system can improve the preparedness of the faculty and staff and help them act effectively during any contingencies” according to SVIMS Director cum Vice Chancellor, Dr. Ravikumar.

RCA (Root Cause Analysis) is routinely practised in SVIMS now for all mortalities so as to improve patient safety. “RCA is a deductive reasoning process for retrospective look, while FMEA is an inductive reasoning using forward logic” he explained. An audience of 300 healthcare workers consisting of faculty, students, nurses and administrative staff attended the workshop.

## SVIMS TO HOST 19<sup>TH</sup> ANNUAL CONFERENCE OF INDIAN ASSOCIATION OF ENDOCRINE SURGEONS (IAES)



Dr.T.S.Ravikumar, Director cum VC, SVIMS and Prof. N.V.Ramanaiah, Principal, S.V. Medical College releasing the brochure of the conference along with SVIMS faculty.

The 19<sup>th</sup> Annual Conference of the Indian Association of Endocrine Surgeons (IAES) will be held in SVIMS, Tirupati on 28<sup>th</sup> & 29<sup>th</sup> of September, 2018 with the theme being “Promoting Safe Endocrine Surgery”. In a brief meeting held at SVIMS Committee hall by SVIMS Director cum VC, Dr. T. S. Ravikumar, the conference website ([www.iaescon2018.com](http://www.iaescon2018.com)) was launched and brochure of the conference was released in the presence of Prof. N. V. Ramanaiah, Principal, S.V. Medical College, Dr. M. Hanumantha Rao, Principal, Sri Padmavathi Medical College (SVIMS-SPMCW), SVIMS, Registrar, Dr. T.C. Kalawat, Dean, Dr. P.V.L.N Srinivasa Rao, Medical Superintendent, Dr. Alok Sachan, Dr. B. Manilal, Organizing Secretary of the Conference and other professors. About 350 delegates across the country are expected to attend the conference. The Department of Surgical Oncology, General Surgery of SVIMS and The Department of General Surgery of S.V. Medical College are jointly organizing this two day annual conference.

## HANDS ON WORKSHOP ON DEEP BRAIN STIMULATION (DBS) ORGANIZED



Dr.T.S.Ravikumar and Dr.B.C.M. Prasad, HoD, Neurosurgery with Neurosurgery team addressing the press

SVIMS Institute of Neurosciences is one of the institutes of excellence being established along its roadmap. It has conducted a two day symposium and live workshop and on Deep Brain stimulation for Parkinson's disease during 25th & 26th May, 2018. This workshop is first of its kind in the country and SVIMS is the only centre in the state to have a dedicated program designed to mitigate the burden of Parkinson's disease.

**“Interdisciplinary Movement Disorders Program”** as it is called brings Neurologists, Neurosurgeons, Psychiatrists/Psychologists, nursing, physiotherapy, palliative care, geriatrics, imaging experts, neurophysiologist and research scientists under one roof to provide best possible treatment to patients suffering from Parkinson's , relatively at a low cost.

More than 130 delegates have registered to the workshop. The workshop rendered hands on training on DBS patient procedure to the participants which enhanced their learning experience. In the workshop a patient was operated to stimulate specific targets in his/her brain at the operation theatre of SVIMS which was telecasted live in the auditorium by explaining the procedure in detail. Krishna Kumar & Dr. Syam from SCTIMST, Trivandrum along with Dr. Ramesh Chandra and neurosurgery team from SVIMS performed the DBS procedure successfully.

The expert faculty to the conference were Dr. Krishna Kumar & Dr. Syam from SCTIMST, Trivandrum, Dr. Anandh Balasubramaniam from Yashodha Hospitals, Hyderabad, Dr. Kiran Khanapure and Dr.Manjunath from M S Ramaiah Medical College, Bangalore, Dr.Ramesh Chandra and Dr.T.Naveen from SVIMS who shared their wealth of experience in treating DBS.

## COMMUNITY CPR PROGRESS



SVIMS CPR instructor training employees of Heritage Foods Ltd

After successfully training more than 10,000 individuals in CPR by it's 25<sup>th</sup> Anniversary, SVIMS is now aiming to raise this number to 25,000. Taking this aim ahead, on 6<sup>th</sup>, 9<sup>th</sup> and 13<sup>th</sup> April,2018, SVIMS trained 684

students and staff of Emeralds College, Tirupati and 60 employees of Heritage Foods Ltd in CPR under the leadership of SVIMS Director and Vice Chancellor Dr. T. S. Ravikumar.

“It is my goal that every citizen of Tirupati will have the necessary skills, knowledge and readiness to help out any fellow human being requiring life saving procedure before the appropriate medical help arrives” commented Dr. T. S. Ravikumar, Director and Vice-Chancellor, SVIMS.

## PATHOLOGY GOLD CHAIR ORATION CONDUCTED



Dr. Anitha S. Bhaduri being felicitated during the oration program.

“The Second Balaji Gold Medal Oration” was organized by the Department of Pathology on 11-06-18 at Sri Padmavathi Auditorium, SVIMS. Dr. T. S. Ravikumar was the Chief Guest of the program. Dr. Anitha S. Bhaduri, Consultant Histopathologist & Cytologist, PD. Hinduja Hospital & Research Centre, Mumbai was the orator of the program.

Anitha S. Bhaduri, delivered oration on **Accreditation in Histopathology- A journey to self audit and quality**. “Histopathological examination requires a step-wise process that includes macroscopic, microscopic, histochemical, immuno histochemical, molecular analyses that result in a comprehensive final interpretation” according to Dr. Anitha.

She discussed about the accreditation of Histopathology lab, the ISO standards that an organization should maintain to establish Histopathology lab. “ The standards of the lab must comply with ISO 15189 and external audit for every 18 months will be carried by authorized experts” said Dr.Anitha.

Dr.Aruna Prayaga, HoD, Pathology, Dr.P.V.L.N.Srinivasa Rao, Dean, SVIMS, Dr.V. Siva Kumar, Senior Professor and HoD, Nephrology were present during the program.

## NATIONAL WORKSHOP ON CELL CULTURE TECHNIQUES CONDUCTED



Dr.T.S.Ravikumar, Director cum VC, SVIMS releasing the Workshop Manual

A 9 day National workshop from 20-04-18 to 28-04-18, on **Basics of Cell Culture Techniques** organized by Bio-technology Department of SVIMS was conducted at Sri Padmavathi Auditorium. Dr. Dwaipayan Sen, Assoc. Prof., Vellore Institute of Technology (VIT), Vellore, was the Chief Guest of the workshop. Dr. T. S. Ravikumar, SVIMS Director-cum-VC was the Chief Patron, Dr. P.V.L.N. Srinivasa Rao, Dean, SVIMS, was the patron and Dr. P.V.G.K. Sarma, HoD & Associate Professor, Dept. of Bio- technology was the convener of the workshop.

The workshop introduced young researchers who are working on animal/human cell biology to cell culture techniques. Candidates working to start cell culture facility in their universities/organization received a practical understanding about Cell Culture Techniques as the workshop provided hands on training.



Dr. Dwaipayan Sen gave a guest lecture on “From cells to stem cells: The Journey” He started with introduction of stem cells and their therapeutic applications in the field of regenerative medicine. He also introduced the various strategies to increase survivability of transplanted cells at the site of injury. Expert faculty from different institutions participated in the workshop and shared their experience and knowledge in cell culture techniques.

## INTERNATIONAL CONFERENCE ON LYMPHEDIMA ORGANIZED



SVIMS Physiotherapy department faculty with the guest faculty during the International Conference on Lymphedema.

SVIMS, College of physiotherapy and Lymphatic Education and Research Network, Grace Physiotherapy Clinic, jointly organised international conference on **Lymph edema and its management**.

“Lymph edema is the major complication which is seen in number of post infected cases, post traumatic and post-cancer cases. Thus a Multidisciplinary team (with Physician, nursing, counselor, and physiotherapist.) approach is essential to treat Lymphedema. Till today faradism under pressure, leg elevation have been the choice of treatment. With latest developments, the complete decongestive therapy where the technique describes the different levels of pressure to be applied at different levels of edema, gives fruitful results” says Dr.Madhavi, Principal, College of Physiotherapy.

The conference focused on multi-disciplinary team approach and latest developments in treating lymphedema which not only saves patients’ lives but also help lead a good quality of life.

The expert faculty for the conference were **Prof.Chritine Moffat**, University of Mottingham, **Susan Norregaard RN**, DH Denmark, **Dr. S. B. Gorgia**, President SATHI, **Dr. Balasubramian**, SRMC & RI, **Mr. T. V. Gnanasekar**, Grace Physiotherapy & rehabilitation center.

## HAYAGREEVA QUIZ COMPETITION TO MEDICAL STUDENTS HELD



Dr.M.Hanumantha Rao, Principal, SPMCW, presenting awards to the winners of Hayagreeva Quiz competition

State level quiz competition for MBBS students “Hayagreeva-2018” was conducted on 27-04-2018 at SVIMS- Sri Padmavathi Medical College for Women. Department of Physiology organized the quiz competition. Dr. Sharan B. Singh, HoD, Physiology Department was the organizing secretary of the quiz competition. Students from 12 Medical Universities from the state participated in the competition in which students of SVIMS-SPMC(W) stood first. Students of PMSIMS and students of Sri Venkateswara Medical College, Tirupati stood in 2nd and 3rd places respectively.

## CME ON VECTOR BORNE DISEASE CONDUCTED

A CME on Vector borne diseases was organized jointly by Department of Community Medicine, Microbiology and Rheumatology of SVIMS, SPMCW during 2-4 PM on 19<sup>th</sup> May, 2018 at Sri Padmavathi Auditorium in SVIMS.

During the first session of the CME Dr. Anju D. Ade, Associate Professor, Community Medicine delivered a talk on **Burden and Epidemiology of Dengue and Chikungunya globally**. Subsequently, Clinical management of Dengue & Chikungunya which included diagnostic & treatment algorithms based on current guidelines was presented by Dr. Alladi Mohan, Professor & HOD of General Medicine.

In the next session, Dr. Usha kalawat, Professor of Microbiology described various Bacterial agents causing Vector Borne diseases and gave an update on current Laboratory diagnostic techniques to detect Bacterial Vector Borne diseases. Dr. K. K. Sharma, Professor & HOD of Microbiology further discussed in detail about various viral agents and currently practiced lab diagnostic techniques in diagnosis of Viral Vector Borne diseases. The final session of CME presented by Dr. K. Nagaraj, Professor & HOD, Community Medicine, covered prevention and control of Dengue & Chikungunya, which included programmatic guidelines of National Vector Borne Diseases Control Programme (NVBDCP) and Vector Borne control activities in SVIMS Campus.

## INTERNATIONAL NURSES DAY CELEBRATED



Dr.T.S.Ravikumar, Director cum VC, SVIMS & Nursing Superintendent garlanding the photograph of Florence Nightingale. (right) Nurses of SVIMS taking oath during nurses day.

“Nurses are the pillars of the healthcare system and they can contribute in health system transformation through quality assurance and working with empathy, compassion” said Dr. T. S. Ravikumar during the International Nursing Day celebrations at SVIMS. He asked the nurses to participate actively in the team and contribute to reduce the preventable deaths in the hospital. He remembered the major contributions of Florence Nightingale in transforming health system. “Many of the things that are practiced in the present health system like Root Cause Analysis, Inductive and Deductive reasoning were the contributions of Florence Nightingale” he said. Florence Nightingale pledge was administered to the nursing staff during the program. Nurses felicitated Dr. T. S. Ravikumar for his contributions in improving nurses role and in making SVIMS crack the top 100 rankings in nation.

## WORLD NO TOBACCO DAY ORGANIZED

In a public awareness programme on Tobacco consumption conducted in SVIMS Campus on World No Tobacco Day, Dr. Alladi Mohan, HoD, Department of Medicine, emphasized the global burden and Indian epidemiology of tobacco use and related morbidity and mortality. “Tobacco kills nearly 6 million people each year, of which more than 600,000 people who are exposed to second hand smoke. The number of deaths will increase up to 8 million people by 2030 of which 80% people are from low and middle income countries” he said. Even though pharmacological interventions are available keenness of desire and commitment are the key factors in successfully



Dr. Alladi Mohan addressing the gathering during World No Tobacco Day

quitting smoking he added.

He also presented the tantalizing data on the deadly synergy between TB and Tobacco usage. It is found that Smokers with TB has poorer outcomes and higher mortality when compare with non-smokers with TB. He also presented the observations from his ongoing prospective clinical trial research project at SVIMS where smokers with TB are given counseling and medical assistance to quit smoking in addition to DOTS; and the outcomes are studied between the TB patients who actually quit smoking and those who continue to smoke.

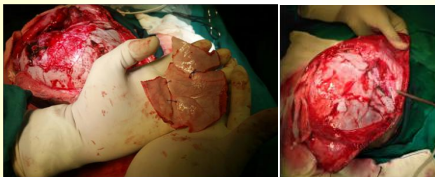
The programme concluded with an interactive session where doctors interacted with the gathering and clarified their doubts on TB.



## Trauma Care at SVIMS

A 7 year old boy who was critically injured in a terrible accident that took place near Mamandur, Renigunta, was admitted to SVIMS on 20/05/2018. Upon arrival at Emergency Department, the boy was unconscious, not moving left side of the body, barely moving right side of the body and was not able to breathe properly. CT scan of the brain showed severe head injury, multiple comminuted compound fracture of skull, X Ray Chest showed bilateral lung contusions and X Ray left thigh showed multiple fractures in thigh bone (femur). An immediate assessment was done by a team of Emergency Physicians, Trauma Surgeons, Neuro surgeons, Cardiothoracic surgeons and Anesthesiologists. He was immediately intubated and kept on mechanical ventilator immediately in view of severe blood loss. A multidisciplinary intervention was immediately planned with the active on site direct intervention of Director cum VC of SVIMS, Dr. T S Ravikumar.

Immediately, the child was planned for a combined life saving Neurosurgical procedure for head injury and Orthopedic intervention for femur fracture in the same sitting was planned.



**Complex Neurosurgical Procedure with brain skull remodelling**

The Child was taken to Operating theatre for coordinated team surgery. Neurosurgical team of doctors, under the leadership of Prof and Head of Dr. B C M Prasad, identified that the skull of the child was shattered on right side with brain matter coming out of the injured scalp, with severe brain injury. The blood clots were removed and damaged brain was removed. Vigorous repair of the skull bone fragments and damaged brain parts were done and cosmetic repair was also done on the operating table. While completion of neurosurgical procedure, Orthopedic team of doctors fixed the fracture of thigh bone. Both the procedures, were completed at about 8 pm.

The child was carefully monitored in the post operative period with a dedicated team of doctors, nursing personnel and physiotherapists.



**Repair of Thigh bone fracture**

## BILATERAL CHOANAL ATRESIA SUCCESSFULLY OPERATED



Doctors of ENT Department, SVIMS successfully operated a girl suffering with **Bilateral Choanal Atresia**.

Bilateral Choanal Atresia is congenital disorder referring to a complete blockage of the posterior side of the nasal passage (choana), usually with abnormal bony or soft tissue. The condition is seen among 1 in 7000- 10,000 births and common in female child. It is sometimes associated with other congenital syndrome. New born babies will not be able to breath properly when nostrils are blocked partially and if they are totally blocked, the baby will be in danger due to asphyxiation and death.

A girl diagnosed with Bilateral Chonal Atresia Disorder at birth received initial treatment and later developed complications and was diagnosed with stenosis of the choana (only 4 mm diameter on left side and 5 mm diameter on right side) resulting in breathing difficulty and retention recreations in nose.

She was referred to SVIMS for treatment. Dr. M. Lakshmi Prathima and team successfully operated the case using modern equipment by endoscopy, drilled and removed the blocked bones and flesh of the nasal passage, providing permanent solution. Now the girl is able to breath without any difficulty.

“People had to go to distant places for the treatment of this disorder. Now SVIMS ENT wing is equipped with skilled doctors & equipment for treating these cases at an affordable cost making it easier for the poor to seek treatment” said Dr. M. Lakshmi Prathima, Professor, ENT department, SVIMS.

There were no post operative complications and the child started to breath on his own and took food normally.

“SVIMS is proud to announce this success was possible due to introduction of innovative concept concept of Trauma team, initiated with the triage system two years ago, and integrated team development on par with Level I trauma centers in developed countries in which, various Medical Specialists from different departments coordinating the treatment of a patient for all life threatening injuries simultaneously with in the golden period” according to Dr. Ravikumar, Director cum Vice Chancellor, SVIMS.

# Salary budget assured for SVIMS

► Sudhakar Yadav along with two board members visited the Institute  
 ► Directed the SVIMS authorities to publicise 24X7 patient care numbers

OUR BUREAU

Tirupati: TTD Trust Board Chairman Putta Sudhakar Yadav accompanied by board members Challa Ramachandra Reddy and Sudha Narayana Murthy visited the Sri Venkateswara Institute of Medical Sciences (SVIMS) hospital on Wednesday. SVIMS Director cum Vice-Chancellor Dr TS Ravikumar presented a brief genesis of SVIMS to them. He underlined the major achievements of SVIMS in the



SVIMS Director Dr TS Ravikumar with TTD Chairman P Sudhakar Yadav and board members Challa Ramachandra Reddy and Sudha Murthy at SVIMS in Tirupati on Wednesday.

ing services to the poor in this region and we extend our support for its further development," Yadav assured. The Chairman and board members expressed concerns about the finances of the SVIMS and promised to provide Rs 50 crore salary budget and Rs 15 crore maintenance budget for the development of the Institute. He asked the SVIMS management to publicise the 24X7 patient care numbers so that the patients can easily avail the services at SVIMS. Board member Sudha Murthy observed that the requirement of salary budget was genuine and a meeting will soon be organised to discuss the matter. SVIMS Registrar Dr TC Kalavat, Dean Dr PVLN Srinivasa Rao, Medical Superintendent Dr M. G. Sube-

# SVIMS in India's top 100 medical varsities list

OUR BUREAU

Tirupati: Sri Venkateswara Institute of Medical Sciences (SVIMS) has got another distinction by securing a place in 100 best medical universities in the country. Noted magazine 'Career 360' has conducted a survey to give these rankings in which SVIMS got AAA rating with 31st rank in the country and 2nd place in the State. The Director and Vice-Chancellor of SVIMS Dr TS Ravikumar has congratulated the faculty on this distinction. He said, "We

# 'Nurses, pillars of healthcare system'

OUR BUREAU

Tirupati: Nurses are the pillars of healthcare system and they can contribute in health system transformation through quality assurance and working with empathy, compassion, observed the Vice-Chancellor and Director of SVIMS Dr TS Ravikumar. Taking part in the International Nursing Day celebrations at SVIMS, he asked the nurses to participate actively in the team and contribute to reduce the preventable deaths in the hospital. He remembered the major contributions of Florence Nightingale in transforming health system. Many of the things that are practiced in the present health system like root cause Analysis, inductive and deductive reasoning were the contributions of Florence Nightingale, he said. Later, pledge

# Expensive DBS surgery cheaper

► Except SVIMS, no hospital in AP performed DBS surgery: Dr BCM Prasad  
 ► Hospitals charge ₹20 lakh for DBS surgery: SVIMS Director  
 ► Live workshop on DBS for Parkinson's disease held

OUR BUREAU

Tirupati: The first ever live workshop on Deep Brain Stimulation (DBS) for Parkinson's disease was held at Sri



SVIMS Director Dr TS Ravikumar addressing the media in Tirupati on Saturday.

specific target in his brain at the operation theatre of SVIMS which was telecast live in its auditorium explaining the procedure in detail to the 130 plus participants across the country.

drum along with Dr Ramesh Chandra and neurosurgery team of SVIMS jointly performed the live DBS procedure for Parkinson's disease successfully, said the Director Dr TS Ravikumar. Speaking to the media, he described the procedure as a major step in SVIMS Neurosurgery department and said that the procedure which was too expensive was available in only a limited number of hospitals. In public sector, such surgeries are not provided generally as it costs about Rs 20 lakh for a surgery which SVIMS can provide at a relatively lower price. He observed that it involves a good expertise as lot of accuracy is important to target the particular area in the brain where the cells are to be stimulated. "We are

maintained. The Head Neurosurgery department, BCM Prasad said that this procedure will be useful for Parkinson's disease and some of such diseases in which an electrode will be sent deep into brain to stimulate the required cell with total accuracy with having any chances of miss the target. The advantage of DBS system will be that there will be no destruction and results can be reversed. Andhra Pradesh, this procedure is not available anywhere else was possible in SVIMS because of the initiative of Dr Ravikumar. The procedure involves lot of planning and every step has to be taken. So far, SVI has performed 10 DBS surgery free of cost. Earlier, Dr Kris

# 'No Tobacco Day' at SVIMS today

Tirupati: Sri Venkateswara Institute of Medical Sciences (SVIMS) will be conducting "No Tobacco Day" on Thursday. The programme will be held at Sri Padmavathi OPD hall of SVIMS in which the SVIMS Director Dr TS Ravikumar will give his valuable message for the public and patients on this occasion. The Head of Medicine department Dr Alladi Mohan will be the convener of this programme, who will give presentation on usage of tobacco and its complications and diseases. A power point presentation and talk by the

# International Yoga Day in SVIMS today

Tirupati: SVIMS will be conducting the International Yoga Day on Thursday at Sri Padmavathi Medical College for Women here. SVIMS doctors, medical students, administrative staff, nursing staff and others will participate in the event. SVIMS has invited Indian Medical Association doctors also to

# SVIMS to conduct workshop on patient safety curriculum



EXPRESS NEWS SERVICE @ Tirupati

THE SVIMS Super Speciality Hospital has proposed to conduct a workshop on patient safety curriculum. For which Director TS has prepared modules which are likely to be implemented in all institutions in the State.

Speaking to Express, Ravikumar said that through Central Education (CME) programme, the patient safety modules would be taken up as subjects among all attending staff, paramedics and others.

"The first module was on 'Escape fire and the arrival of patient safety'. As part of these modules, the SVIMS would conduct a talk & incident modelled workshop on 'Failure Mode Analysis' (FMEA) in the campus," he said. The SVIMS also has FMEA as a step-by-step process of identifying all possible risks in a system.

"Bringing this model of analysis into the healthcare system will improve the effectiveness of the faculty and staff and in turn, the patient safety," Ravikumar said.

# SVIMS ranks 31st in country

EXPRESS NEWS SERVICE @ Tirupati

SRI Venkateswara Institute of Medical Sciences (SVIMS), Tirupati, has got AAAA rating and ranked 31st among India's 100 Best Medical Universities in 2017 in a survey conducted by Careers360. SVIMS has stood second in Andhra Pradesh after Andhra Medical College, Visakhapatnam, which ranked 29th with AAAA rating. SVIMS Director-cum-Vice-Chancellor TS

our goals on a steep trajectory. While rejoicing this milestone, I want all to keep in mind that the best is yet to come."

He also stated that SVIMS should soon figure among the top ten in the country and be branded among the most valuable health systems in India. "SVIMS has initiated several educational innovations vertically and horizontally and implemented integrated curriculum for medical students. It is the only institution, which voluntarily reports Quality & Patient Safety metrics online and makes them available to the public. It remains. It has recently introduced In-time Patient Experience of

# SVIMS to host annual conference of IAES



SVIMS Director Dr TS Ravikumar and others releasing a brochure of the conference in Tirupati on Friday.

OUR BUREAU

Tirupati: Sri Venkateswara Institute of Medical Sciences (SVIMS) to host 19th annual conference of Indian Association of Endocrine Surgeons (IAES) on 28 and 29 September 2018 with the theme being "Promoting safe endocrine surgery".

The Director cum Vice-Chancellor Dr TS Ravikumar released a brochure of the conference in SVIMS on Friday. About 350 delegates from across the country are expected

to attend the conference. Department of Surgical Oncology, General Surgery of SVIMS and Department of General Surgery of SV Medical College are jointly organising the two-day annual conference. Principals of SV Medical College and SP Medical College for Women Prof NV Ramanathaiah and Prof M Hanumantha Rao, SVIMS Registrar Dr TC Kalavat, Dean Dr PVLN Srinivasa Rao, Medical Superintendent Dr Alok Sachan and organising secretary Dr B Manilal were present in the meeting.

# Series of surgeries by SVIMS pull boy from brink of death

● The 7-year-old suffered multiple injuries in a road accident near Benigunta on May 20  
 ● Tanish was discharged on 14th day on June 2 in a normal condition

OUR BUREAU

Tirupati: A team of doctors at Sri Venkateswara Institute of Medical Sciences (SVIMS) has made a 7-year-old boy to smile after he was met with an accident recently there, by taking acute care to global level, says the Director and Vice-Chancellor Dr TS Ravikumar. He was one of the survivors of the tragic four-wheeler accident happened on May 20 near Mannur in Benigunta involving ten victims. Initially, he was mobilised to Ruia Hospital along with co-passengers for initial stabilisation. In view of multiple life-threatening injuries, the sickest of all victims, the boy was shifted to SVIMS emergency unit for tertiary care subsequently.

After investigations, an immediate assessment was done by a team of emergency physicians, trauma surgeons, neurosurgeons, cardiothoracic surgeons and anaesthesiologists. Orthopedicians from BIRRD Hospital were called in. He was intubated and kept on me-

chanical ventilator. Blood was transfused immediately in view of severe blood loss. A multidisciplinary intervention was immediately planned with the active on-site direct intervention of Dr TS Ravikumar.

"The boy was in critical state, with massive complex head injury, spinal cord injury, lung contusions and comminuted fractures on left thigh. While the expected overall outcome was not good, yet we decided to summon all resources and put the best expertise together," opined Dr Ravikumar.

Immediately, the child was planned for a combined lifesaving neurosurgical procedure for head injury and orthopedic intervention on left thigh.

The boy was in critical state with massive complex head injury, spinal cord injury, lung contusions and comminuted fractures on left thigh



Nurses of SVIMS with Tanish on the day of discharge in Tirupati.

two days, the ventilator was discontinued in a step-by-step manner by the team of anaesthesiologists and Tanish started breathing on his own.

There were no post-operative complications. After seven days, the boy started taking normal food. When he was discharged on 14th day on June 2, Tanish was talking normally, smiling and waving good bye, which left a great sense of accomplishment and fulfillment for the entire team, who worked tirelessly. His grand parents broke into tears when the child was talking and smiling again. SVIMS attributed this success to introduction of innovative concept of trauma team, initiated with the triage system two years ago, and integrated team development on par with Level 1

trauma centres in developed countries. Their various medical specialists from different departments coordinated the treatment of a patient for all life-threatening injuries simultaneously with in the golden period, according to the Director Dr Ravikumar. SVIMS team has wished Tanish all the best while discharging.

A team of emergency physicians, trauma surgeons, neurosurgeons, cardiothoracic surgeons and anaesthesiologists and orthopedicians have performed surgeries successfully on par with Level 1

# World Blood Donors Day at SVIMS tomorrow

Tirupati: SVIMS blood bank will organise World Blood Donors Day - 2018 at its Sri Padmavathi auditorium on June 14. The theme for this year Blood donors day is "Be there for someone else. Give Blood - share life". SVIMS Director cum Vice Chancellor Dr TS Ravikumar will inaugurate the programme and Blood bank HoD Dr Srihar Babu will preside the meeting. District Additional DM&HO (A&L) Dr Aruna Sulochana Devi will explain the importance of blood donation. Certificates will be issued to volunteers who conducted blood donation camps and voluntary blood donors.

### SNIPPETS

## 'Pathologists play crucial role in reducing mortality'

**Tirupati:** Pathologists play a crucial role in reducing patients mortality rate by providing accurate lab reports and maintain quality management system, said SVIMS Director cum Vice Chancellor Dr TS Ravikumar. Inaugurating the programme of Balaji Gold medal chair oration on "Accreditation in Histopathology - A journey to self-audit and quality" in Tirupati on Monday, he said that based on the reports given by pathologists, patients get quality treatment. Consultant Histopathologist and Cytologist at PD Hinduja Hospital & Medical Research Centre, Mumbai Dr Anitha S Bathuri participated as Chief guest and 2nd Balaji gold medal chair orator. She explained modern developments in the field of Pathology, quality management system and reports documentation policies. Director Dr Ravikumar felicitated Dr Bathuri and presented the gold medal and citation. Head of the Department of Pathology Dr Aruna K Prayaga, Dr Sreenivasa Rao, Dr Sivakumar, Dr Radhika, Dr Rukmangada and others participated.

# 'Tobacco deaths will increase up to 8 million by 2030'

75% smokers unaware of ill-effects, say doctors

STAFF REPORTER TIRUPATI

While the global tobacco epidemic kills nearly six million people each year, out of which more than 600,000 are exposed to second-hand smoke, the number of deaths would increase up to eight million by 2030, with more than 80% of them hailing from the low and middle-income countries, remarked SVIMS Department of Medicine professor and head Dr. Alladi Mohan.

Speaking during a public awareness programme organised on the occasion of World No Tobacco Day here on Thursday, Dr. Mohan said even though there were pharmacological interventions, it was the smoker's 'keenness of desire and serious commitment' which were key to successfully kick the habit. Presenting data on deadly synergy between tuberculosis and tobacco smoking, he said smokers with TB would have poorer TB outcomes and higher mortality, compared to non-

smokers with TB. Highlighting this year's theme, Tobacco Breaks Hearts. Choose Health, Not Tobacco, Dr. Mohan elucidated the effects of tobacco in the causation of cardiovascular diseases and said nearly 75% of the smokers were unaware of the ill-effects of smoking.

Passive smoking Urging the public to quit smoking, SVIMS-SPMCW principal Dr.M.H. Rao outlined the hazards associated with tobacco smoking, including the various cancers, stroke and heart attacks, among others, whereas SVIMS Department of Medical Oncology head Dr. Kannan stressed the need for promoting awareness in society, especially the effects of passive smoking.

## SVIMS medical camp concludes

By our Staff reporter Tirupati, May 04 Under the aegis of Sri Venkateswara Institute of Medical Sciences a medical camp was organised with the able assistance from Integrated Girijan Development agency for tribals at Paleru in Bangarupalyam mandal, Chittoor District. The patients who attended this medical camp were duly undergone tests related to ECG, blood tests blood pressure tests, sugar tests. The medical camp organisers have distributed medicines to the patients freely. The patients who were referred to SVIMS will be provided free medical tests and they may undergo operations based on the urgency. Around 262 patients with different ailments were attended by the doctors in the Dr.NTR medical camp and 7 persons were referred to SVIMS hospital.

## SVIMS teaches CPR to citizens

**Tirupati:** Sri Venkateswara Institute of Medical Sciences (SVIMS) conducted several training sessions to explain Cardiopulmonary resuscitation (CPR) and how it works to about 40 MNOs of Tirumala Tirupati Devasthanams (TTD) on Monday and Tuesday. The institute has been providing CPR training to the medical officers and citizens of Tirupati since January this year. CPR is a medical procedure which is given to a person who is under cardiac arrest. The whole programme was conducted by Emergency Department faculty of SVIMS under the guidance of Dr Alok Sachan, Medical Superintendent, and Dr M Hanumantha Rao, principal of Sri Padmavathi Medical College for Women.

## స్వీమ్మలో విజయవంతంగా రక్తదాతల దినోత్సవం

**తిరుపతి పార్క్, మే 14 (ప్రత్యక్షాంక)** స్వీమ్మో ఆసుపత్రి డైరెక్టర్ డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన రక్తదాతల దినోత్సవం ప్రారంభం చేయడం విశేషం. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ స్వీమ్మో ఆసుపత్రి డైరెక్టర్ గా పనిచేస్తున్నారు. డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన రక్తదాతల దినోత్సవం ప్రారంభం చేయడం విశేషం. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ స్వీమ్మో ఆసుపత్రి డైరెక్టర్ గా పనిచేస్తున్నారు.

ప్రతి ప్రాంతీయ స్టాండ్స్ అండ్ డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన రక్తదాతల దినోత్సవం ప్రారంభం చేయడం విశేషం. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ స్వీమ్మో ఆసుపత్రి డైరెక్టర్ గా పనిచేస్తున్నారు.



రక్తదాతల దినోత్సవం సందర్భంగా నిర్వహించిన రక్తదాతల దినోత్సవం

## స్వీమ్మోలో సౌర విద్యుత్తు

**తిరుపతి స్వీమ్మో, మే 15 (ప్రత్యక్షాంక):** స్వీమ్మో ఆసుపత్రిలో సౌర విద్యుత్తును ఉపయోగించి పవనశక్తిని విద్యుత్తుగా మార్చే ప్రయోగం చేపట్టారు. ఈ ప్రయోగంలో సౌర విద్యుత్తును ఉపయోగించి పవనశక్తిని విద్యుత్తుగా మార్చే ప్రయోగం చేపట్టారు. ఈ ప్రయోగంలో సౌర విద్యుత్తును ఉపయోగించి పవనశక్తిని విద్యుత్తుగా మార్చే ప్రయోగం చేపట్టారు.

## స్వీమ్మో వైద్య శిబిరం విజయవంతం

**తిరుపతి పార్క్, మే 18 (ప్రత్యక్షాంక)** స్వీమ్మో ఆసుపత్రిలో నిర్వహించిన వైద్య శిబిరం విజయవంతం. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన వైద్య శిబిరం విజయవంతం. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన వైద్య శిబిరం విజయవంతం.

## స్వీమ్మో ఆసుపత్రికి ఎన్ఎఆర్ఎఫ్ సంస్థచే ప్రశంసాపత్రం

**తిరుపతి పార్క్, మే 11 (ప్రత్యక్షాంక)** స్వీమ్మో ఆసుపత్రికి కేంద్ర మానవ వనరుల శాఖనుండి ప్రశంసాపత్రం లభించింది. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన ప్రశంసాపత్రం లభించింది.



డాక్టర్ రవిచంద్రులు స్వీమ్మో ఆసుపత్రికి ప్రశంసాపత్రం

మెరుగైన స్టాండ్స్ పొందడంలో ఆలోచన చేసినందుకు ప్రశంసాపత్రం లభించింది. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన ప్రశంసాపత్రం లభించింది.

## బాలుడికి విజయవంతంగా చికిత్స

**తిరుపతి (అలిపిరి):** రేణుగుంట-మామం దూరు రోడ్డు మాధవం గత నెం 20న జరిగిన రోడ్డు ప్రమాదంలో కర్నూలు జిల్లాకు చెందిన బడుగురు మృత్యువాత పడగా మరో బడుగురు తీవ్రంగా గాయపడ్డారు. గాయ వళ్ల వారిలో తనీష్(7) కూడా ఉన్నారు. అతన్ని స్వీమ్మోకు తరలించిన విజయం విడిచిపెట్టే ప్రమాదంలో బాలుడి తల, ఊపిరితిత్తులు బలమైన గాయాలయ్యాయి. ఎడమకాలు విరిగింది. న్యూరోసర్జరీ విభాగాధిపతి డాక్టర్ బీసీఎం ప్రసాద్ ఆధ్వర్యంలో వైద్య బృందం బట్టి ఆస్పత్రి ఎముకల వైద్య నిపుణుల సహకారంతో చికిత్స అందించారు. అత్యంత క్లిష్ట హింపడంలో బాలుడు కోలుకున్నాడు. ప్రస్తుతం బాలుడి ఆరోగ్యం మెరుగుపడినట్లు స్వీమ్మో డైరెక్టర్ డాక్టర్ టీఎన్ రవిచంద్రులు తెలిపారు. బాలుడిని ఈనెం 2వ తేదీ డిస్చార్జ్ చేసినట్లు ఆయన వెల్లడించారు.

## వోసల్ పట్టణం కంటి శస్త్ర చికిత్సలు

**తిరుపతి (యశోదనగర్), మే 11** స్వీమ్మో ఆసుపత్రిలో కంటి శస్త్ర చికిత్సలు చేస్తున్నారని స్వీమ్మో మేడికల్ సూపర్ సెంటర్ డాక్టర్ ఆలోకినేశన్ తెలిపారు. ఆలోకినేశన్ తిరుపతి ఆలోకినేశన్ పరిశోధనలో కంటి శస్త్ర చికిత్సలు చేస్తున్నారని స్వీమ్మో మేడికల్ సూపర్ సెంటర్ డాక్టర్ ఆలోకినేశన్ తెలిపారు.

## స్వీమ్మో ఆపరేషన్లలో స్వచ్ఛత

**తిరుపతి పార్క్, మే 18 (ప్రత్యక్షాంక)** స్వీమ్మో ఆసుపత్రిలో నిర్వహించిన ఆపరేషన్లలో స్వచ్ఛతను నిర్ధారించారు. ఈ సందర్భంగా డాక్టర్ టి.ఎస్. రావికుమార్ ప్రధాన అధ్యక్షులుగా నిర్వహించిన ఆపరేషన్లలో స్వచ్ఛతను నిర్ధారించారు.

## వోసల్ పట్టణం కంటి శస్త్ర చికిత్సలు

**తిరుపతి (యశోదనగర్), మే 11** స్వీమ్మో ఆసుపత్రిలో కంటి శస్త్ర చికిత్సలు చేస్తున్నారని స్వీమ్మో మేడికల్ సూపర్ సెంటర్ డాక్టర్ ఆలోకినేశన్ తెలిపారు. ఆలోకినేశన్ తిరుపతి ఆలోకినేశన్ పరిశోధనలో కంటి శస్త్ర చికిత్సలు చేస్తున్నారని స్వీమ్మో మేడికల్ సూపర్ సెంటర్ డాక్టర్ ఆలోకినేశన్ తెలిపారు.





### Vaidya Siromani award presented to Dr. Siva Sankar



Dr. Sivasankar receiving "Vaidya Siromani" award from Sri. D. Subramanyam, Rtd. High Court Judge

SVIMS, Chief Medical Officer, Dr.Siva Sankar was awarded "**Vaidya Siromani**" in a meeting organized to present Chittoor Zilla Dashabdi Mahotsava puraskaram by Academy of Grassroots Studies and Research of India (*AGRASRI*) for his tireless service in providing good health care. SVIMS Director cum Vice Chancellor Dr.T.S.Ravikumar congratulated Dr. Sivasankar on this achievement.

### Guinness World Records Certificate Presented to SVIMS Student for Participating in "Mahabrinda Natyam"

SVIMS Physiotherapy College student Y. Sravani (B.PT) participated in "**Mahabrinda Natyam**", the largest Kuchipudi dance performance with 6117 dancers from all over the world which entered Guinness Book of World Records. The dance performance lasted for 13 minutes which has participants from age 5 to 60 years. The Mahabrinda Natyam was part of 5<sup>th</sup> international Kuchipudi dance convention hosted by Department of language and culture, Government of Andhra Pradesh.

Guinness World Records certificate of participation presented to Y. Sravani →



### Sri Nritya Ratna Award to SVIMS Doc



(left) Sri Nritya Ratna award. (right) Dr. Shilpa Kadiyala performing Kuchipudi during the programme.

SVIMS Associate Professor in Radiology, Dr. Silpa Kadiyala received **Sri Nritya Ratna** award from Sri Nrityanjali Academy of Music and Dance on 7<sup>th</sup> May,2018. In commemoration of its 25<sup>th</sup> Annual Celebrations, Sri Nrityanjali Academy of Music and Dance organized a function in Mahati Auditorium, Tirupati on 7<sup>th</sup> May,2018 in which Dr. Silpa gave a fabulous performance owing to which she was conferred this award.

SVIMS Director cum VC Dr.T.S.Ravikumar and HoD Radiology, Dr. A. Y. Lakshmi congratulated Dr. Silpa Kadiyala on her achievement.

### In Remembrance.....

.....Of those who departed for heavenly abode, SVIMS appreciates their contributions.

- Sri. K. Bayya Reddy—Lab Technician Grade-I, Department of Pathology
- Sri.Y. Srinivasulu, RASS worker.
- Smt. Swapna, Staff Nurse, RICU



## SVIMS OPD SERVICES

### GENERAL CLINICS

### SVIMS *Clinic*

DEPARTMENT	DAYS	ROOM	TIMINGS
CARDIOLOGY	MON, WED, FRI	18 & 19	7:00 AM TO 11:00 AM
	TUE, THU, SAT		
C.T. SURGERY	MON, WED, FRI	16 & 17	
	TUE, THU, SAT		
ENDOCRINOLOGY	MON TO SAT	SPMC(W), HOSPITAL	
MEDICINE - I	MON & THU	25 & 26	
MEDICINE - II	TUE & FRI		
MEDICINE - III	WED & SAT		
MEDICINE - IV	MON/WED/ SAT	SPMC(W), HOSPITAL	
MEDICINE - V	TUE/THU/SAT		
MED. GASTROENTEROLOGY	WED & SAT	26	
SUR. GASTROENTEROLOGY	MON TO SAT	41 & 42	
GENERAL SURGERY - I	MON/1ST, 3RD & 5TH FRIDAY	SPMC(W) HOSPITAL	
GENERAL SURGERY - II	TUE/1ST, 3RD & 5TH SATURDAY		
GENERAL SURGERY - III	WED/ 2ND & 4TH FRIDAY		
GENERAL SURGERY - IV	THU /2ND & 4TH SAT		
GENERAL SURGERY - V	FRIDAY		
PLASTIC SURGERY	MON, WED, SAT	30	
ONCOLOGY (SURG)	TUE, THU, SAT	31	
NEUROLOGY	MON, WED, FRI	21, 22, & 23	
	TUE, THU, SAT		
NEUROSURGERY	MON, WED, FRI	27 & 28	
NEPHROLOGY	MON, WED, FRI	35, 36 & 37	
ONCOLOGY (MED)	TUE, THU, SAT	37, 39 & 40	
ONCOLOGY (RT)	TUE, THU, SAT	27, 28	
UROLOGY	MON, WED, FRI	45	
	TUE, THU, SAT	35, 36 & 45	
HAEMATOLOGY	MON TO SAT		
OBSTETRICS & GYNAECOL- OGY	MON TO SAT		
PAEDIATRICS	MON TO SAT		
OPHTHALMOLOGY	MON TO SAT		
E.N.T	MON TO SAT		
DERMATOLOGY	MON TO SAT		
DENTAL	MON TO SAT		
TB & RD	MON TO SAT		

Departments	Days	Room No	Timings
Cardiology	Mon to Sat	6	8.00 am to 11.00 am
C.T.Surgery	Mon to Sat		
Neurology	Mon to Sat	7	
Neurosurgery	Mon/Wed/Fri	8	
Nephrology	Mon/Wed/Fri	9	
Urology	Mon to Sat	10	
Surgical G.E.	Mon to sat	11	
Endocrinology	Mon to Sat	12	
Medicine	Mon to Sat	13	
Medical Oncology	Tue/Thu/Sat	14	
Radiation Oncology	Tue/Thu/Sat	15	
Surgical Oncology	Tue/Thu/Sat	16	

### SUNDAY SPECIAL CLINICS

DEPARTMENTS	DAYS	ROOM NO	TIMINGS
BREAST CLINIC	MONDAY	38	7.00 AM - 11.00 AM
CHEST CLINIC	MON & THU	25 & 26	
JUVENILE DIABETIC CLINIC	2ND SAT	SPMC(W), HOSPITAL	
PAED. ENDOCRINOLOGY	TUESDAY	SPMC(W), HOSPITAL	2.00 PM - 2.30 PM
RHEUMATOLOGY CLINIC	MON/WED/ FRI	31	7.00 AM - 11.00 AM
SPEECH THERAPY	MON TO SAT	24	8.00 AM - 4.00 PM
MHC	MON TO SAT	25	7.00 AM - 11.00 AM
PSYCHIATRY	MON TO SAT	SPMC(W), HOSPITAL	8.00 AM - 4.00 PM
GERIATRIC	WED & SAT	25 & 26	7.00 AM - 11.00 AM
VASCULAR CLINIC (ARTERIAL DISEASE)	WEDNESDAY	16	12.00 PM
DEEP VEIN	FRIDAY	16	12.00 PM
CLINIC FOR ADVANCED LUNG DISORDERS	FRIDAY	25	2.00 PM - 4.00 PM
THYROID CLINIC	MONDAY	SPMC(W), HOSPITAL	9 AM TO 12 NOON
GROWTH	TUESDAY	SPMC(W), HOSPITAL	2.00 PM - 4.00 PM
DIABETIC CLINIC	WEDNESDAY	SPMC(W), HOSPITAL	9 AM TO 12 NOON
FOOT CLINIC	FRIDAY	SPMC(W), HOSPITAL	
OBESITY CLINIC	SATURDAY	SPMC(W), HOSPITAL	

### EVENING SPECIAL CLINICS

Departments	Days	Room No	Registration Timings
Cardiology	Mon-Sat	18 & 19	03:00 pm - 04:00 pm



## SRI BALAJI AROGYA VARAPRASADINI SCHEME

Sri Balaji Arogya Vara Prasadini Scheme was started in the year 1994 by SVIMS, to accomplish the goal of making available sophisticated medical technology to every individual at an affordable cost and also to conduct research activities in the field of Medical Research. A donor can donate an amount of Rs.1,000/ - or multiples thereof, to this institution and Tirumala Tirupati Devasthanams in turn will contribute an equal matching Grant. This entire money is being put in fixed deposit in a nationalized bank and the interest accrued on it will be utilized for providing free medical services to the poor and the needy and also for carrying out medical research activities.

### TAX EXEMPTION

Donations to Sri Balaji Arogya Vara Prasadini Scheme are exempted from payment of Income Tax @ one and half (i.e@150%) to the donation made under section 35(1)(ii) of I.T. Act, 1961.

### DONATIONS CAN BE SENT TO

All donations should be sent by Demand Draft drawn in favour of The Director, Sri Venkateswara Institute of Medical Sciences, Tirupati – 517 507 , A.P., India or in favour of The Executive Officer, Tirumala Tirupati Devasthanams, Tirupati-517 507, A.P., India.

Give us a call



0877-2287777

Mail us



svimsdirector@yahoo.com

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