

# ANNUAL REPORT

## 2014



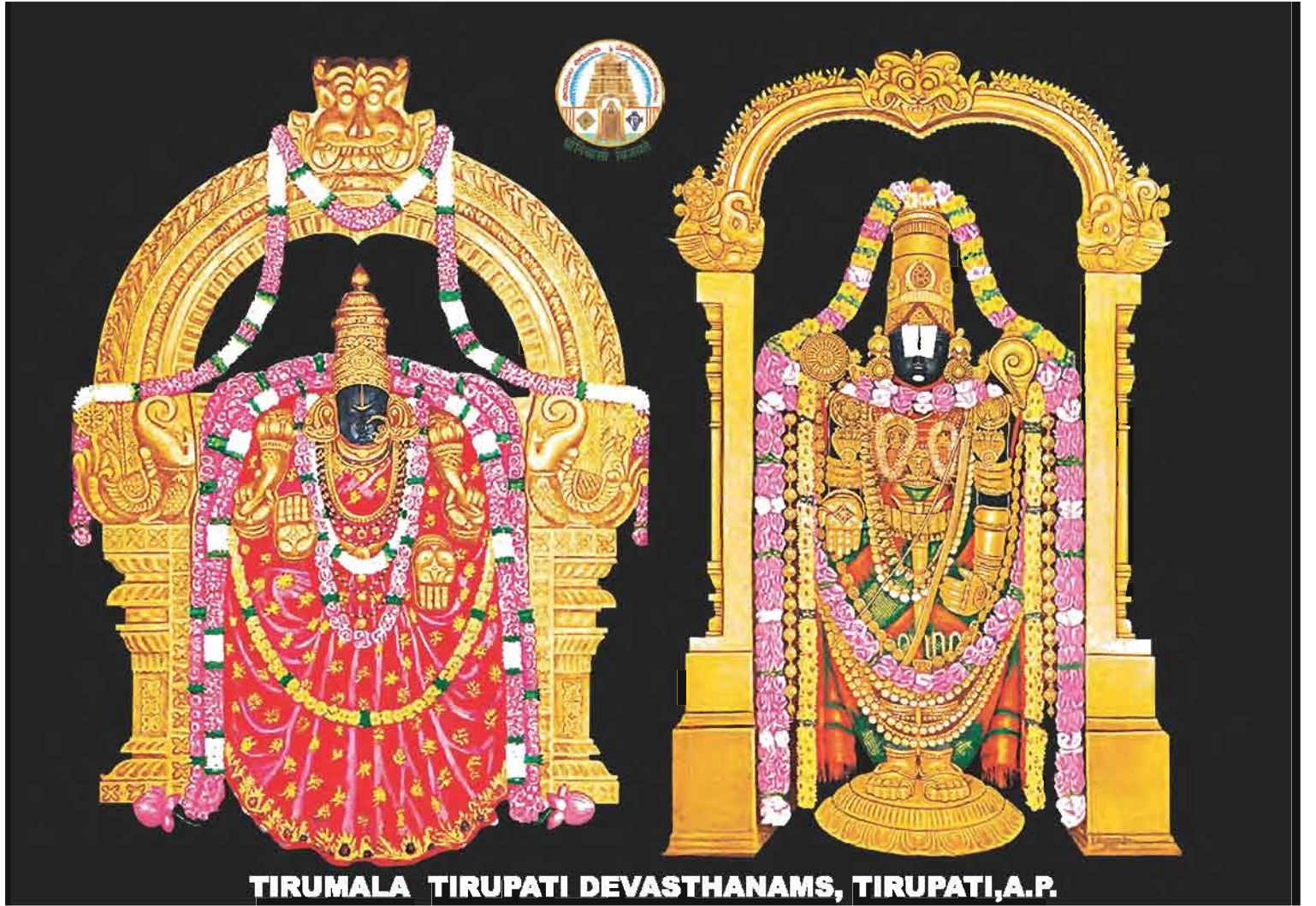
SRI VENKATESWARA  
INSTITUTE OF MEDICAL SCIENCES



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

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

TIRUMALA TIRUPATI DEVASTHANAMS, TIRUPATI



**TIRUMALA TIRUPATI DEVASTHANAMS, TIRUPATI, A.P.**



## మంగళాచరణము मङ्गलाचरणम्

श्रीनिवासो विजयते

శ్రీనివాసో విజయతే

समस्तजननीं वन्दे चैतन्यस्तन्यदायिनीम् ।

श्रेयसीं श्रीनिवासस्य करुणामिव रूपिणीम् ॥ (दयाशतकम्-६)

సమస్తజననీం వందే చైతన్యస్తన్యదాయినీమ్ ।

శ్రేయసీం శ్రీనివాసస్య కరుణామివ రూపిణీమ్ ॥ (దయాశతకమ్-6)

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

गुरोर्धीताखिलवैद्यविद्यः पीयूषपाणिः कुशलः क्रियासु ।

गतस्पृहो धैर्यधरः कृपालुः शुद्धोधिकारी भिषगीदृशः स्यात् ॥ (सुभाषितसुधारत्रभाण्डागारे)

గురోరధీతాఖిలవైద్యవిద్యః పీయూషపాణిః కుశలః క్రియాసు ।

గతస్పృహో ధైర్యధరః కృపాళుః శుద్ధోధికారి భిషగీదృశః స్యాత్ ॥ (సుభాషితసుధారత్నభాణ్డాగారే)

గురువు దగ్గరనుండి సమస్త వైద్యవిద్యలను అభ్యసించినవాడు, అమృతహస్తాడు, కార్యకుశలుడు, నిస్పృహుడు, దైర్యవంతుడు, దయాగుణం కలవాడు, మానసిక శుద్ధికలవాడు - ఇటువంటి అర్హతకలవాడే నిజమైన వైద్యుడు.

शरीरे जर्झरीभूते व्याधिग्रस्ते कलेबरे ।

औषधं जाह्नवी तोयं वैद्यो नारायणो हरिः ॥ (सुभाषितरत्नभाण्डागारे)

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 ।

प्रभावर्यस्वरौदार्यं देहेन्द्रियबलं परम् ॥

వాక్సిద్ధిం ప్రణతిం కాంతిం లభతే నా రసాయనాత్ ॥ (చరకసंहిత-అధ్యాయ-2, పాద:-2, శ్లోకౌ-౭,౮)

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



*It gives me a great pleasure to once again share my thoughts with you through our annual report for the year 2014. We set out our mission to make quality healthcare accessible to all. I would like to thank you all for your unstinting support in our journey so far. I am also happy to share with you that in the year gone by, our SVIMS has witnessed a further maturing of processes and systems aligned towards delivering better healthcare to our patients across the State of Andhra Pradesh.*

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

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

*Overall, this has been an immensely satisfying year. We have accomplished much as a Medical Institution and University of excellence and have set the stage for the next phase of growth. I would once again like to extend my very special thanks to all of you and look forward to your continued commitment to the future of healthcare. We are happy to share the progress, activities and initiatives at SVIMS during the period 1 January to 31 December 2014.*

**Dr B. Vengamma  
DIRECTOR-CUM-VC**

## VISION

To see that SVIMS emerges as one of the top medical institutions of the Nation and to ensure that SVIMS becomes at par with AIIMS (New Delhi).

## MISSION

- \* *To provide quality health care services and facilities for the community, promote wellness, relieve suffering.*
- \* *To restore health as swiftly, safely and humanely as it can be done, consistent with the best service of the highest order for all concerned.*
- \* *To participate in the Social health programmes for creation of healthier lives within the community.*
- \* *To provide health care services which contribute to the physical, psychological, social and spiritual well being of the patients which SVIMS serves in a fiscally responsible manner.*



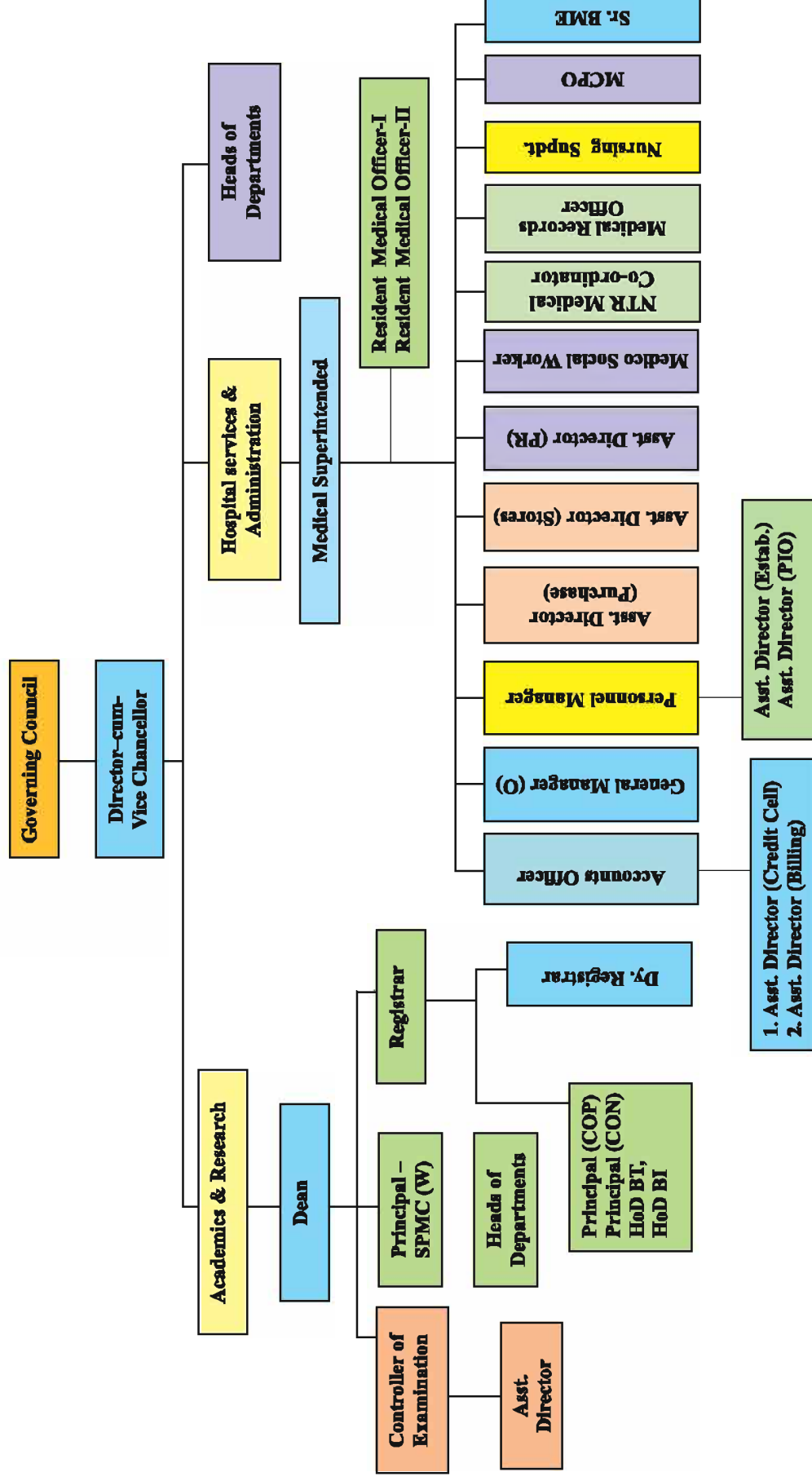


## Objectives of the Institute

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 develop patterns of teaching in postgraduate level and in super specialities so as to set a high standard of medical education.
- ◆ to provide for training in paramedical and allied fields, particularly in relating to super-specialities.
- ◆ to function as a referral hospital.
- ◆ to provide for postgraduate teaching and conduct of research in the relevant disciplines of modern medicine and other allied sciences, including inter-disciplinary fields of physical and biological sciences.

## ORGANIZATIONAL SETUP



## CONTENTS

| <b>I</b> | <b>Patient care services &amp; Academic activities</b>            | <b>Page No.</b> |
|----------|---|-----------------|
| 1.1      | Out-patient and in-patient services .....                         | 1               |
| 1.2      | Emergency services .....  | 6               |
| 1.3      | Dr NTR Vaidya Seva Scheme .....                                   | 6               |
| 1.4      | Sri Venkateswara Pranadana Scheme .....                           | 8               |
| 1.5      | Rural health camps .....  | 11              |
| 1.6      | Medical Camps .....   | 11              |
| 1.7      | Epilepsy Camps .....  | 11              |
| 1.8      | Revised National Tuberculosis Control Program (RNTCP) .....       | 12              |
| 1.9      | Integrated Counselling and Testing Centre (ICTC) .....            | 12              |
| 1.10     | Infection Control Committee .....                                 | 12              |
| 1.11     | Mortality Review Meeting .....                                    | 12              |
| 1.12     | Review Meetings .....   | 12              |
| 2.0      | Academic activities .....   | 13              |
| 2.1      | Courses offered .....   | 13              |
| 2.2      | Constituent Colleges .....  | 14              |
| 2.3      | Basic Life Science .....  | 15              |
| 2.4      | Students enrollment .....   | 16              |
| 2.5      | Scholarships .....  | 19              |
| 2.6      | Hostels .....   | 19              |
| 2.7      | Quarters .....  | 19              |
| 3.0      | Examination Activities .....                                      | 20              |
| 4.0      | Establishment Section .....                                       | 28              |
| 5.0      | New initiatives .....   | 33              |
| 6.0      | Enhanced service at SVIMS .....                                   | 34              |
| 7.0      | Recognitions for SVIMS contributions .....                        | 35              |
| 7.1      | Awards .....  | 35              |
| 7.2      | Orations delivered .....  | 38              |
| 7.3      | Honors & Key assignments .....                                    | 38              |
| 7.4      | Award of meritorious certificates to the employees of SVIMS ..... | 39              |
| 8.0      | Visitors to SVIMS .....   | 40              |
| 9.0      | Activities at SVIMS .....   | 41              |
| 9.1      | Convocation .....   | 41              |
| 9.2      | Institute day celebrations .....                                  | 42              |
| 9.3      | Orations .....  | 43              |
| 9.4      | Guest lectures & Seminars .....                                   | 45              |



|            |   |     |
|------------|---|-----|
| 9.5        | Academic programme calendar for the year 2015 .....   | 48  |
| 9.6        | Academic committees .....   | 49  |
| 9.7        | Events at SVIMS .....   | 65  |
| 9.8        | Other activities .....  | 71  |
| 9.9        | Sports report .....   | 72  |
| <b>II</b>  | <b>Human Resource Development</b>   |     |
| 1.0        | Degrees conferred .....   | 75  |
| 2.0        | Training to the students of other institutions .....  | 79  |
| <b>III</b> | <b>Conferences / Workshops / CMEs / Clinical meetings /Clinico Pathological correlation</b> |     |
| 1.0        | Conferences .....   | 88  |
| 2.0        | Workshops .....   | 89  |
| 3.0        | CME Programmes .....  | 91  |
| 4.0        | Clinical meetings .....   | 97  |
| 5.0        | Clinico pathological correlation .....  | 105 |
| <b>IV</b>  | <b>Research</b>   |     |
| 1.0        | Abstracts of the publications .....   | 106 |
| 2.0        | Research projects .....   | 151 |
| 3.0        | Journal of Clinical and Scientific Research .....   | 156 |
| <b>V</b>   | <b>Finance &amp; Accounts</b>   |     |
| 1.0        | Institute finance .....   | 157 |
| 2.0        | Balance sheet .....   | 157 |
| 3.0        | Concessions given to the patients .....   | 158 |
| 4.0        | Donations received .....  | 158 |
| 5.0        | Grants received from Tirumala Tirupati Devasthanams during 2013-14 .....                    | 164 |
| 6.0        | Equipments donated .....  | 164 |
| <b>VI</b>  | <b>Departmental Information</b>   |     |
| 1.0        | Anaesthesiology .....   | 165 |
| 2.0        | Anatomy .....   | 169 |
| 3.0        | Biochemistry .....  | 170 |
| 4.0        | Bioinformatics .....  | 174 |
| 5.0        | Biotechnology .....   | 179 |
| 6.0        | Cardiology .....  | 185 |
| 7.0        | Cardiothoracic Surgery .....  | 192 |
| 8.0        | Community Medicine .....  | 198 |
| 9.0        | Dental Surgery .....  | 200 |
| 10.0       | Emergency Medicine .....  | 201 |
| 11.0       | Endocrinology .....   | 202 |
| 12.0       | Forensic Medicine .....   | 205 |
| 13.0       | General Surgery .....   | 206 |

|             |                                      |     |
|-------------|--------------------------------------|-----|
| 14.0        | Haematology .....                    | 208 |
| 15.0        | IHBT .....                           | 209 |
| 16.0        | Medical Oncology .....               | 213 |
| 17.0        | Medicine .....                       | 216 |
| 18.0        | Microbiology .....                   | 222 |
| 19.0        | Nephrology .....                     | 225 |
| 20.0        | Neurology .....                      | 228 |
| 21.0        | Neurosurgery .....                   | 233 |
| 22.0        | Nuclear Medicine .....               | 236 |
| 23.0        | Obstetrics & Gynecology .....        | 239 |
| 24.0        | Ophthalmology .....                  | 240 |
| 25.0        | Otorhinolaryngology .....            | 241 |
| 26.0        | Paediatrics .....                    | 242 |
| 27.0        | Pathology .....                      | 243 |
| 28.0        | Pharmacology .....                   | 249 |
| 29.0        | Physiology .....                     | 250 |
| 30.0        | Radiodiagnosis .....                 | 251 |
| 31.0        | Radiotherapy .....                   | 255 |
| 32.0        | Surgical GE .....                    | 257 |
| 33.0        | Surgical Oncology .....              | 260 |
| 34.0        | Urology .....                        | 263 |
| 35.0        | College of Nursing .....             | 266 |
| 36.0        | College of Physiotherapy .....       | 272 |
| <b>VII</b>  | <b>Central Facilities</b>            |     |
| 1.0         | Computer centre .....                | 279 |
| 2.0         | Central library .....                | 279 |
| 3.0         | Central research laboratory .....    | 281 |
| 4.0         | Right to information act (RTI) ..... | 281 |
| 5.0         | Animal house .....                   | 282 |
| 6.0         | Balamithra creche .....              | 282 |
| 7.0         | Engineering division .....           | 283 |
| 8.0         | Purchase section .....               | 290 |
| <b>VIII</b> | <b>Statutory bodies</b> .....        | 294 |
| <b>IX</b>   | <b>Administrative set-up</b> .....   | 296 |



# **I Patient care services & Academic activities**



# I Patient care services & Academic activities

## 1.1 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 like epilepsy clinic, hypertension clinic, prosthetic valve clinic, diabetes clinic are 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 as an emergency 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)

| Department                 | Days                        | Room No.   |
|----------------------------|-----------------------------|------------|
| Cardiology                 | Monday to Saturday          | 18, 19     |
| Cardiothoracic Surgery     | Monday to Saturday          | 16, 17     |
| Endocrinology              | Monday to Saturday          | 39, 40     |
| Medicine                   | Monday to Saturday          | 25, 26     |
| Surgical Gastro-enterology | Monday to Saturday          | 41, 42     |
| Medical Gastro enterology  | Tuesday, Thursday, Saturday | 37         |
| General Surgery            | Monday to Saturday          | 30, 31, 32 |
| Neurology                  | Monday to Saturday          | 21, 22, 23 |
| Neurosurgery               | Monday, Wednesday, Friday   | 27, 28     |
| Nephrology                 | Monday, Wednesday, Friday   | 35, 36, 37 |
| Oncology-Medical           | Tuesday, Thursday, Saturday | 29, 32     |
| Oncology-Surgical          | Tuesday, Thursday, Saturday | 30         |

| Department               | Days                        | Room No.                          |
|--------------------------|-----------------------------|-----------------------------------|
| Psychiatry               | Monday to Saturday          | 1 <sup>st</sup> floor new block   |
| Radiotherapy             | Tuesday, Thursday, Saturday | 27, 28                            |
| Urology                  | Monday to Saturday          | 35, 36, 45                        |
| Haematology              | Monday to Saturday          | Ground floor extn. block          |
| Obstetrics & Gynaecology | Monday to Saturday          | 45                                |
| Ophthalmology            | Monday to Saturday          | 1 <sup>st</sup> floor extn. block |
| Dermatology              | Monday to Saturday          | „                                 |
| Paediatrics              | Monday to Saturday          | „                                 |
| Dental Surgery           | Monday to Saturday          | Ground floor extn. block          |
| Otorhinolaryngology      | Monday to Saturday          | „                                 |
|                          | <b>Sunday holiday</b>       |                                   |

### Special clinics

| Clinic                   | Days                        | Room No.                             | Timings          |
|--------------------------|-----------------------------|--------------------------------------|------------------|
| Breast clinic            | Monday                      | 29                                   | 7.00 - 11.00 am. |
| Chest clinic             | Monday, Wednesday, Friday   | 25,26                                | 7.00 - 11.00 am. |
| Juvenile diabetes clinic | 2 <sup>nd</sup> Saturday    | 39, 40                               | 7.00 - 11.00 am. |
| Paed. Endocrinology      | Tuesday                     | 39, 40                               | 2.00 - 2.30 pm.  |
| Rheumatology clinic      | Tuesday, Thursday, Saturday | 25, 26                               | 7.00 - 11.00 am. |
| Speech therapy           | Monday to Saturday          | 1 <sup>st</sup> floor<br>Extn. Block | 9.00 - 4.00 pm.  |
| Master health check-up   | Monday to Saturday          | 25                                   | 7.00 - 11.00 am. |

### Evening special clinics

| Department | Days                      | Room No.   | Timings         |
|------------|---------------------------|------------|-----------------|
| Cardiology | Monday to Saturday        | 18, 19     | 3.00 - 4.00 pm. |
| Neurology  | Monday, Wednesday, Friday | 21, 22, 23 |                 |

### Sunday free clinics

| Clinic                  | Days                                     | Room No. | Timings         |
|-------------------------|--|----------|-----------------|
| Endocrinology           | 2 <sup>nd</sup> Sunday                   | 39, 40   | 7.00 - 11.00 am |
| Epilepsy clinic         | 1 <sup>st</sup> & 3 <sup>rd</sup> 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 quick services.

#### 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

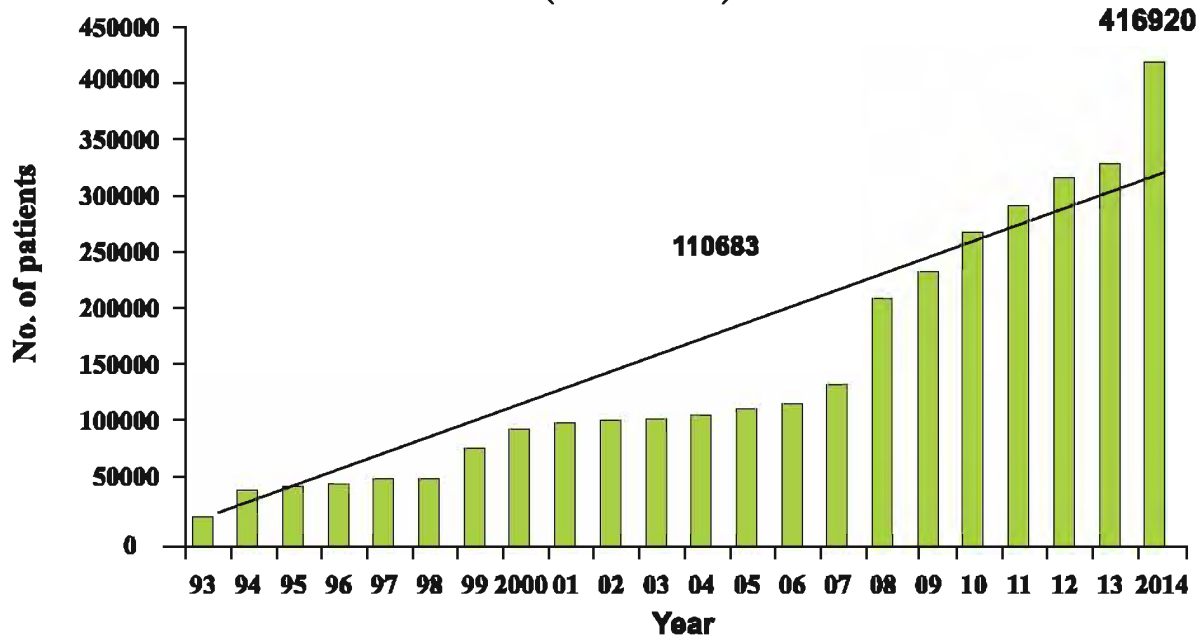
##### Note:

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 dates.

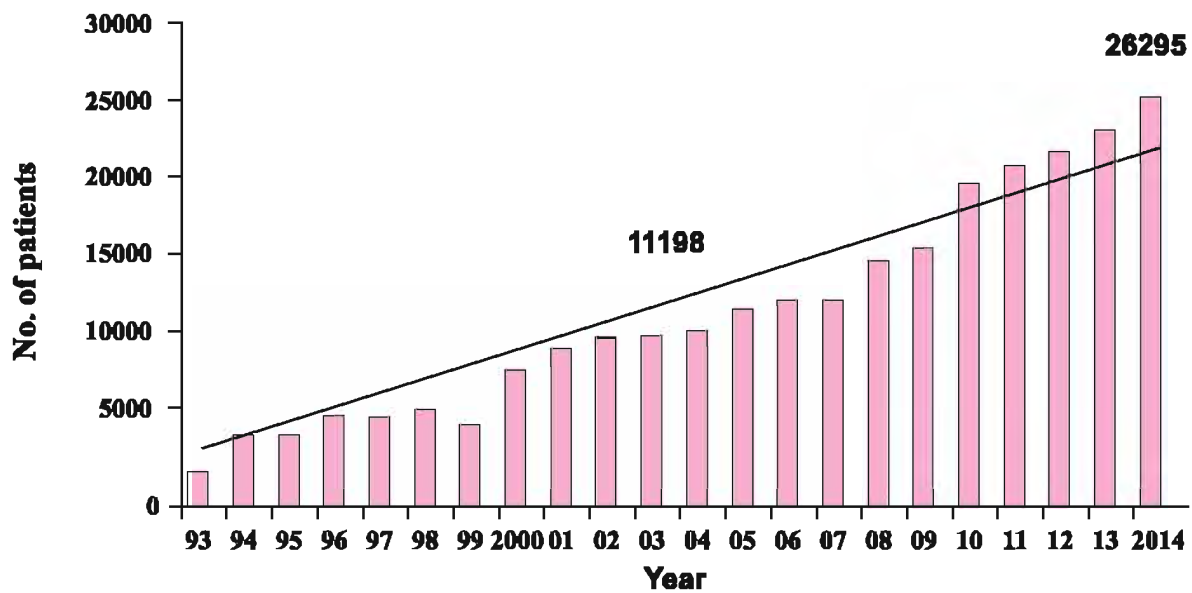
#### Dept. Name with keyword

|                  |        |                    |       |
|------------------|--------|--------------------|-------|
| Cardiology       | -card  | Medicine           | -med  |
| CT Surgery       | -ct    | General Surgery    | -gs   |
| Endocrinology    | -endo  | Medical Oncology   | -mo   |
| Gastroenterology | -ge    | Surgical Oncology  | -so   |
| Neurology        | -neuro | Radiation Oncology | -ro   |
| Neurosurgery     | -ns    | Haematology        | -haem |
| Nephrology       | -neph  | Breast Clinic      | -bc   |
| Urology          | -uro   |                    |       |

**Yearly flow of out-patients**  
(1993 - 2014)



**Yearly flow of in-patients**  
(1993 - 2014)





### Laboratory-wise investigation statistics (1993 - 2014)

| S.No. | Department   | No. of Investigations |
|-------|--|-----------------------|
| 01    | Biochemistry                                       | 5521230               |
| 02    | Haematology  | 4662677               |
| 03    | Radiology  | 1053460               |
| 04    | Microbiology                                       | 1002949               |
| 05    | Pathology  | 1030000               |
| 06    | Blood bank   | 862835                |
| 07    | Cardiology   | 767774                |
| 08    | Endocrinology                                      | 386696                |
| 09    | Dialysis procedures                                | 161443                |
| 10    | Neurology  | 59652                 |
| 11    | Gastroenterology                                   | 43147                 |
| 12    | Nuclear medicine                                   | 26317                 |
| 13    | Respiratory Laboratory<br>(Department of Medicine) | 19376                 |
| 14    | Uroflowmetry                                       | 15168                 |
| 15    | Cardiothoracic Surgery                             | 13792                 |
|       | <b>Total</b>                                       | <b>1,56,26,516</b>    |

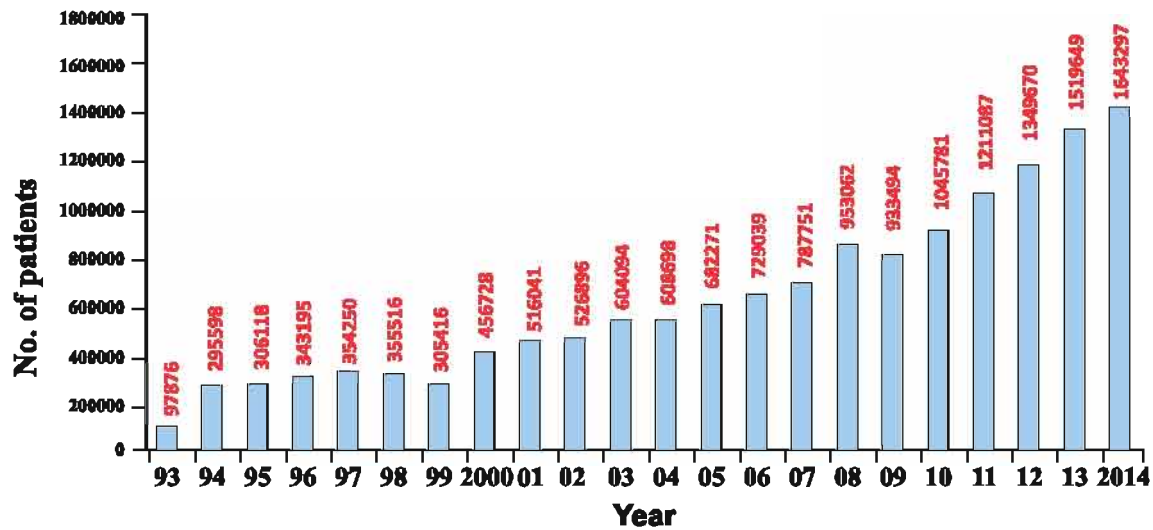
### Laboratory-wise investigation statistics (2014)

| S.No. | Department   | No. of Investigations |
|-------|--|-----------------------|
| 01    | Biochemistry                                       | 525275                |
| 02    | Haematology  | 503687                |
| 03    | Microbiology                                       | 129430                |
| 04    | Radiology  | 111244                |
| 05    | Blood bank   | 95150                 |
| 06    | Pathology  | 107746                |
| 07    | Cardiology   | 84067                 |
| 08    | Endocrinology                                      | 44595                 |
| 09    | Dialysis procedures                                | 25924                 |
| 10    | Neurology  | 4454                  |
| 11    | Gastroenterology                                   | 4054                  |
| 12    | Nuclear medicine                                   | 3525                  |
| 13    | Respiratory Laboratory<br>(Department of Medicine) | 3170                  |
| 14    | Uroflowmetry                                       | 976                   |
|       | <b>Total</b>                                       | <b>16,43,297</b>      |

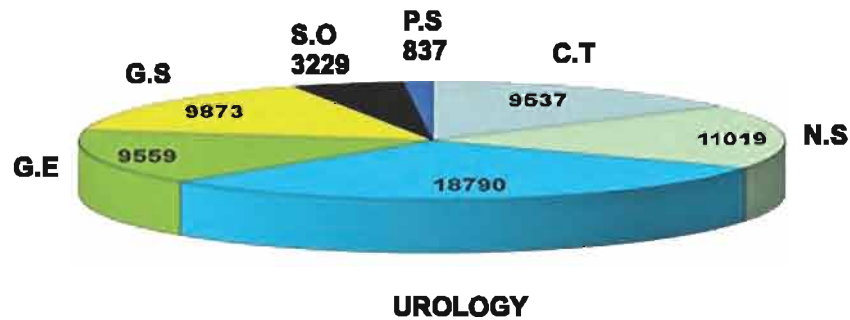
### Vital statistics Comparison with 2013 & 2014

| No | Vital statistics                  | 2013  | 2014  | %    |
|----|-----------------------------------|-------|-------|------|
| 1  | Bed occupancy rate                | 69.74 | 77.81 | ↑ 12 |
| 2  | Average length of stay            | 8.03  | 7.75  | ↓ 4  |
| 3  | Gross death rate                  | 6.56  | 5.40  | ↓ 18 |
| 4  | Net death rate                    | 3.10  | 2.94  | ↓ 5  |
| 5  | Monthly Average Bed Turnover rate | 3.28  | 3.49  | ↑ 6  |
| 6  | Daily Average Inpatient census    | 464   | 488   | ↑ 8  |

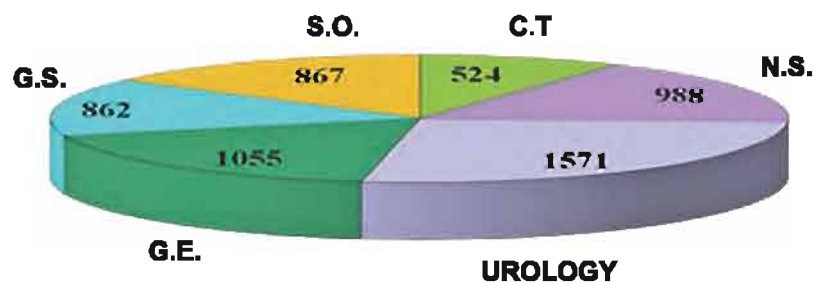
**Year-wise investigations No. of patients  
(1993 -2014)**



**Total No. of surgeries  
(1993 – 2014)**



**Surgeries for the year 2014**



## 1.2 Emergency services

The 30-bedded emergency medicine department is well-equipped with monitors, ventilators etc, and works round-the-clock under the supervision of the HOD, Dept. of Emergency Medicine. All the emergency cases are admitted into emergency medicine and later transferred to the ICU/specialty care.



**Emergency Ward**

## 1.3 Dr NTR Vaidya Seva Scheme

The Government of A.P. has implemented Sri Rajiv Aarogyasri Health Insurance Scheme in the state. The scheme was implemented in SVIMS w.e.f. September, 2007 in order to provide access to patients below poverty line to multi specialty health care. The scheme provides coverage for treatment of diseases of heart, lung, liver, bowel, pancreas, kidney, neurosurgery, pediatric congenital malformations, burns, post-burn contracture surgeries for functional improvement, prosthesis (artificial limbs), cancer treatment (surgery, chemotherapy, radiotherapy) and polytrauma (including cases covered under MV act). After separation of Andhra Pradesh & Telangana states, the name of the scheme has been changed to Dr NTR Vaidya Seva Scheme as per the abstract from Health, Medical & Family Welfare (I.1) dept. dt: 17.12.2014.



**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 Medical co-ordinator   | - 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 with Chief Medical Co-ordinator, 04 Medical Co-ordinators, 01 Public relations officer, 01 Office superintendent, 03 Pharmacists, 24 Data entry operators and 02 Bed side assistants apart from the Aarogyamithras of the trust.

The Dr NTR Vaidya Seva Scheme review committee meetings are held regularly on every 1<sup>st</sup> and 3<sup>rd</sup> Thursday of each month. The institution is regularly conducting camps as per the schedule. The public relations department of SVIMS in consultation with district Co-ordinator 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' 2014)

| S. No. | Period       | No. of camps conducted | No. of patients screened | No. of patients referred |
|--------|--------------|------------------------|--------------------------|--------------------------|
| 1      | 2007         | 19                     | 4952                     | 391                      |
| 2      | 2008         | 83                     | 15822                    | 1307                     |
| 3      | 2009         | 65                     | 12265                    | 893                      |
| 4      | 2010         | 48                     | 8220                     | 560                      |
| 5      | 2011         | 48                     | 9319                     | 376                      |
| 6      | 2012         | 18                     | 16407                    | 600                      |
| 7      | 2013         | 35                     | 11223                    | 433                      |
| 8      | 2014         | 38                     | 10470                    | 366                      |
|        | <b>Total</b> | <b>354</b>             | <b>88678</b>             | <b>4926</b>              |

**OP & IP statistics (Unit-wise flow)**

(Aug' 2007 – Dec' 2014) Unclaimed  
(Cashless Transactions)

| Unit                      | Unclaims                   |             |            |                      |
|---------------------------|----------------------------|-------------|------------|----------------------|
|                           | OP Total<br>(New & repeat) | Inpatients  |            | Grand total<br>OP&IP |
|                           |                            | Total       | Expi-red   |                      |
| Cardiology                | 59590                      | 4828        | 31         | 64418                |
| Neurology                 | 7923                       | 12          | 8          | 7935                 |
| Cardiothoracic Surgery    | 10448                      | 643         | 20         | 11091                |
| Neurosurgery              | 8623                       | 284         | 15         | 8907                 |
| Nephrology                | 29930                      | 16          | 2          | 29946                |
| Urology                   | 22048                      | 152         | 2          | 22200                |
| Surgical Oncology         | 15628                      | 103         | 1          | 15731                |
| Medical Oncology          | 23708                      | 153         | 8          | 23861                |
| Surgical Gastroenterology | 27331                      | 240         | 10         | 27571                |
| General surgery           | 5309                       | 94          | --         | 5403                 |
| Plastic surgery           | 299                        | 35          | 1          | 334                  |
| Radiotherapy              | 7099                       | 174         | 6          | 7273                 |
| Casualty                  | 1689                       | 6           | --         | 1695                 |
| Medicine/ Critical care   | 274                        | 10          | 9          | 284                  |
| <b>Total</b>              | <b>219899</b>              | <b>6750</b> | <b>113</b> | <b>226649</b>        |

**Surgeries conducted under Dr NTR Vaidya  
Seva Scheme (Aug' 2007 – Dec' 2014)**

| Period       | Cardiothoracic Surgery | Neurosurgery | Urology     | Surgical Oncology | Surgical G.E | General Surgery | Plastic surgery | Total       |
|--------------|------------------------|--------------|-------------|-------------------|--------------|-----------------|-----------------|-------------|
| 2007         | 5                      | 11           | 2           | 4                 | 3            | 0               | 0               | 25          |
| 2008         | 529                    | 633          | 225         | 128               | 272          | 68              | 36              | 1891        |
| 2009         | 483                    | 541          | 292         | 245               | 491          | 110             | 59              | 2221        |
| 2010         | 375                    | 539          | 252         | 314               | 516          | 98              | 68              | 2162        |
| 2011         | 427                    | 484          | 472         | 318               | 463          | 103             | 41              | 2308        |
| 2012         | 617                    | 393          | 509         | 440               | 548          | 146             | 2               | 2655        |
| 2013         | 675                    | 364          | 601         | 509               | 658          | 183             | 0               | 2990        |
| 2014         | 575                    | 349          | 522         | 649               | 949          | 198             | 0               | 3242        |
| <b>Total</b> | <b>3686</b>            | <b>3314</b>  | <b>2875</b> | <b>2607</b>       | <b>3900</b>  | <b>906</b>      | <b>206</b>      | <b>1749</b> |

**OP & IP statistics (Unit-wise flow)**

(Aug' 2007 – Dec' 2014) Claim

| Unit                      | Claims       |             |                       |              |
|---------------------------|--------------|-------------|-----------------------|--------------|
|                           | IP           |             | follow-up for medical | Grand total  |
|                           | Total        | Expired     | Total                 |              |
| Cardiology                | 8732         | 276         | 16092                 | 24824        |
| Neurology                 | 7171         | 373         | 8145                  | 15316        |
| Cardiothoracic Surgery    | 3683         | 243         | 4077                  | 7760         |
| Neurosurgery              | 3316         | 205         | 1080                  | 4396         |
| Nephrology                | 2519         | 86          | 198                   | 2717         |
| Urology                   | 2975         | 15          | 245                   | 3220         |
| Surgical Oncology         | 2605         | 27          | --                    | 2605         |
| Medical Oncology          | 15035        | 50          | --                    | 15035        |
| Surgical Gastroenterology | 3901         | 204         | 28                    | 3929         |
| General Surgery           | 1006         | 27          | 202                   | 1208         |
| Plastic Surgery           | 206          | 2           | --                    | 206          |
| Radiotherapy              | 7536         | 69          | --                    | 7536         |
| Medicine / Critical care  | 1205         | 329         | 35                    | 1240         |
| <b>Total</b>              | <b>59890</b> | <b>1906</b> | <b>30102</b>          | <b>89992</b> |



The institute is continued to stood in **first place under Dr NTR Aarogya Seva Programme** in the entire state under “Best Performing Government Hospital” category. The Director-cum-Vice Chancellor received the award from the Hon'ble Chief Minister of Andhra Pradesh at Hyderabad for the achievement and services rendered by the institute during the meeting held on 30<sup>th</sup> October 2014.

#### 1.4 Sri Venkateswara Pranadana Scheme

The scheme which was launched in November 2001 by Tirumala Tirupati Devas thanams, aims at providing succour to the needy and suffering 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, thalas semia 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 - 2014

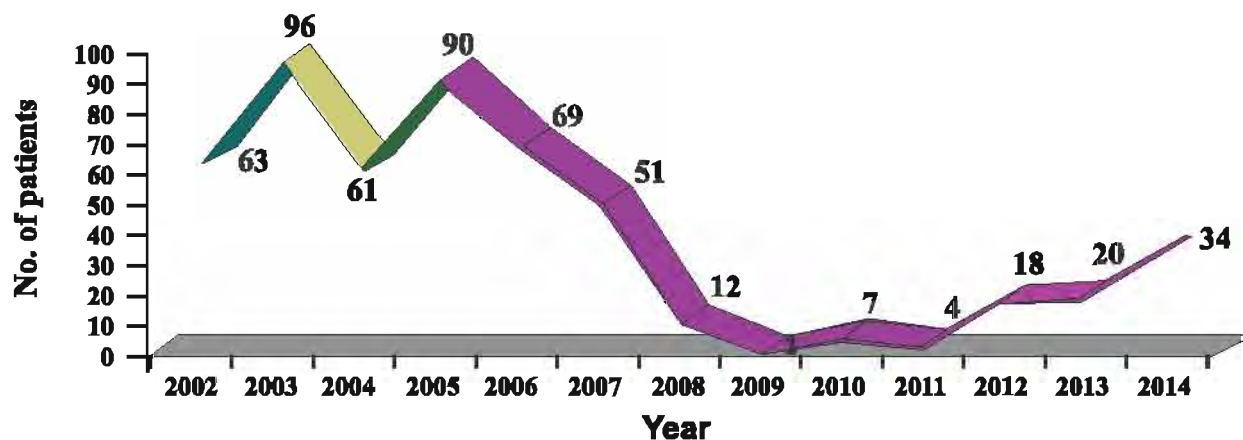
| Unit  | New admissions | Repeat admissions | OP (N)     | OP (R)    | Total admissions | Total expired | Mortality rate (%) |
|---|----------------|-------------------|------------|-----------|------------------|---------------|--------------------|
| Cardiology                                    | 83             | 0                 | 0          | 0         | 83               | 0             | 0.00               |
| Cardiothoracic Surgery                        | 3              | 0                 | 8          | 0         | 11               | 0             | 0.00               |
| Surgical G.E.                                 | 24             | 0                 | 4          | 0         | 28               | 4             | 14.29              |
| Neurology                                     | 42             | 0                 | 0          | 0         | 42               | 7             | 16.67              |
| Neurosurgery                                  | 464            | 14                | 0          | 0         | 478              | 3             | 0.63               |
| Nephrology                                    | 135            | 202               | 0          | 0         | 337              | 11            | 3.26               |
| Medical Oncology                              | 33             | 612               | 73         | 19        | 737              | 1             | 0.14               |
| Radiotherapy                                  | 15             | 36                | 47         | 1         | 99               | 0             | 0.00               |
| Urology                                       | 41             | 1                 | 0          | 0         | 42               | 4             | 9.52               |
| General Surgery                               | 0              | 0                 | 0          | 0         | 0                | 0             | 0.00               |
| Surgical Oncology                             | 15             | 0                 | 103        | 20        | 138              | 2             | 1.44               |
| Haematology                                   | 02             | 65                | 0          | 0         | 67               | 0             | 0.00               |
| Medicine                                      | 25             | 0                 | 2          | 0         | 27               | 2             | 7.41               |
| <b>Patients referred from other hospitals</b> |                |                   |            |           |                  |               |                    |
| BIRRD Hospital                                | 4              | 0                 | 0          | 0         | 4                | 0             | 0.00               |
| SVRR Govt. General Hospital                   | 1              | 0                 | 0          | 0         | 1                | 0             | 0.00               |
| Govt. Maternity Hospital                      | 2              | 0                 | 0          | 0         | 2                | 0             | 0.00               |
| <b>Total</b>                                  | <b>889</b>     | <b>930</b>        | <b>237</b> | <b>40</b> | <b>2096</b>      | <b>34</b>     | <b>1.62</b>        |



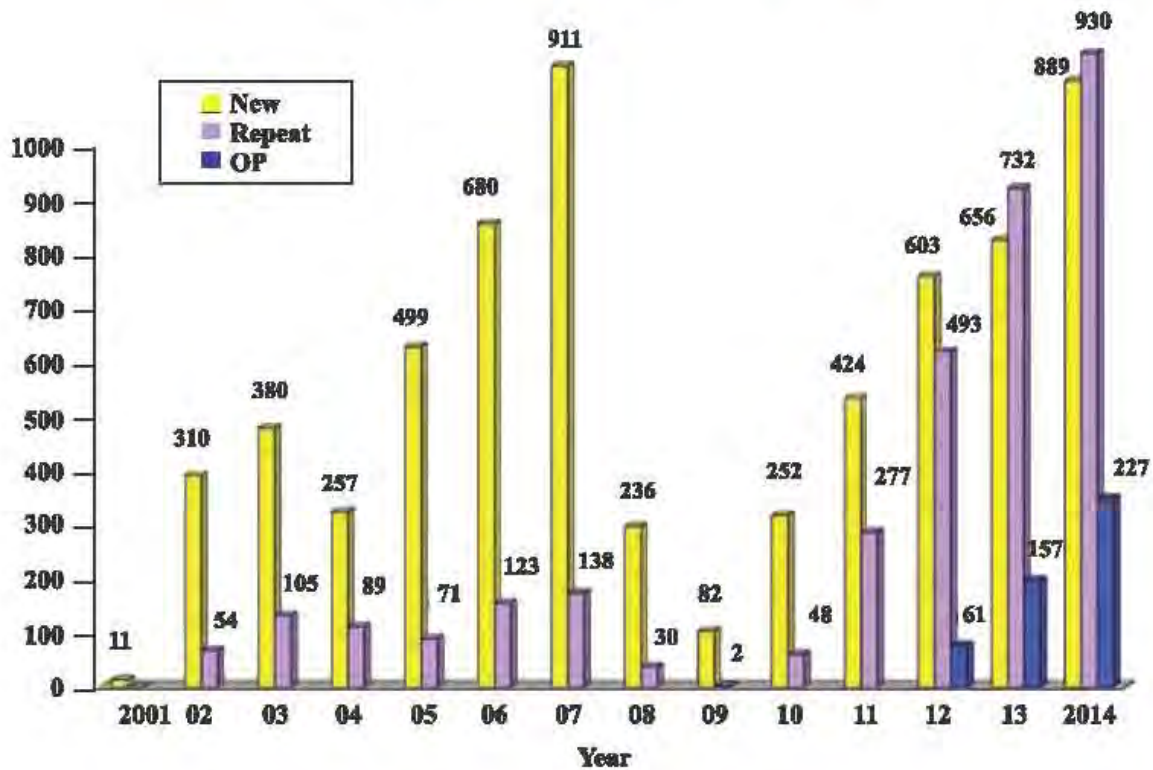
**Patients benefited under Sri Venkateswara pranadana scheme  
(November 2001-December 2014)**

| Unit  | New admissions | Repeat admissions | OP (N)     | OP (R)    | Total admissions | Total expired | Mortality rate (%) |
|---|----------------|-------------------|------------|-----------|------------------|---------------|--------------------|
| Cardiology                                    | 1048           | 25                | 0          | 0         | 1073             | 5             | 0.47               |
| Cardiothoracic Surgery                        | 1796           | 119               | 8          | 0         | 1923             | 103           | 5.36               |
| Surgical G.E.                                 | 103            | 05                | 12         | 0         | 120              | 12            | 10.00              |
| Urology                                       | 203            | 22                | 1          | 0         | 226              | 8             | 3.54               |
| Nephrology                                    | 631            | 397               | 1          | 0         | 1029             | 45            | 4.37               |
| Neurology                                     | 219            | 0                 | 1          | 0         | 220              | 33            | 15.00              |
| Neurosurgery                                  | 1765           | 52                | 1          | 0         | 1818             | 23            | 1.27               |
| Medical Oncology                              | 206            | 2134              | 159        | 30        | 2529             | 6             | 0.24               |
| Radiotherapy                                  | 32             | 91                | 78         | 1         | 202              | 0             | 0.00               |
| General Surgery                               | 7              | 0                 | 0          | 0         | 7                | 0             | 0.00               |
| Surgical Oncology                             | 21             | 0                 | 172        | 23        | 216              | 2             | 0.93               |
| Haematology                                   | 13             | 199               | 0          | 0         | 212              | 0             | 0.00               |
| Medicine                                      | 52             | 0                 | 8          | 0         | 60               | 6             | 10.00              |
| <b>Patients referred from other hospitals</b> |                |                   |            |           |                  |               |                    |
| BIRRD Hospital                                | 29             | 1                 | 0          | 0         | 30               | 1             | 3.33               |
| SVRR Govt. General Hospital                   | 11             | 0                 | 0          | 0         | 11               | 1             | 9.09               |
| Govt. Maternity Hospital                      | 54             | 0                 | 0          | 0         | 54               | 13            | 24.07              |
| <b>Total</b>                                  | <b>6190</b>    | <b>3045</b>       | <b>441</b> | <b>54</b> | <b>9730</b>      | <b>258</b>    | <b>2.65</b>        |

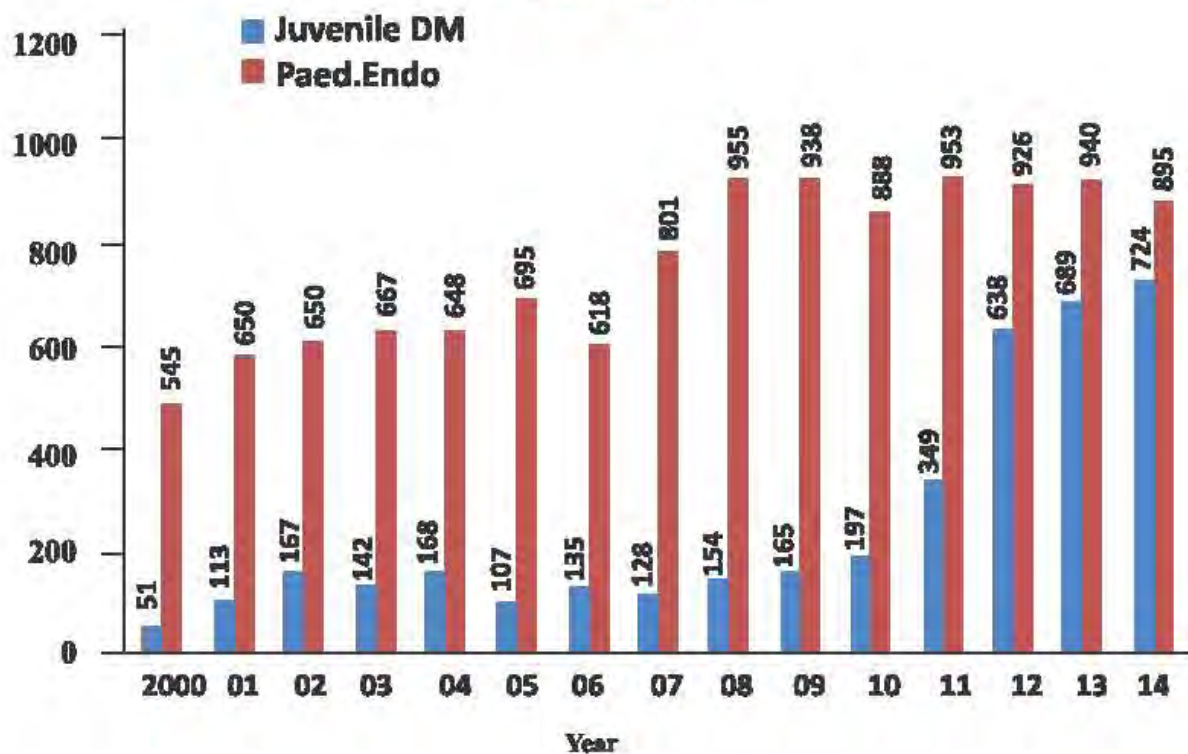
**Paediatric Pranadana cases  
(2002 - 2014)**



### Sri Venkateswara Pranadana cases (November 2001-December 2014)



### Paediatric Endocrinology & Juvenile diabetes cases (2000 - 2014)



## 1.5 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 held and number of patients screened for the years 1993- 2014 is furnished below:

### Rural Health Camps (1993 - 2014)

| Year         | Camps      | Patients      |
|--------------|------------|---------------|
| 1993         | 7          | 3341          |
| 1994         | 6          | 2251          |
| 1995         | 5          | 1886          |
| 1996         | 3          | 1512          |
| 1998         | 4          | 1214          |
| 1999         | 5          | 1363          |
| 2000         | 5          | 3902          |
| 2001         | 7          | 4258          |
| 2002         | 12         | 4043          |
| 2003         | 4          | 1055          |
| 2004         | 5          | 3143          |
| 2005         | 24         | 10444         |
| 2006         | 19         | 7345          |
| 2007         | 37         | 13647         |
| 2008         | 86         | 23058         |
| 2009         | 68         | 14168         |
| 2010         | 58         | 12094         |
| 2011         | 56         | 13899         |
| 2012         | 20         | 7933          |
| 2013         | 40         | 13996         |
| 2014         | 44         | 12893         |
| <b>Total</b> | <b>515</b> | <b>157445</b> |

## 1.6 Medical Camps

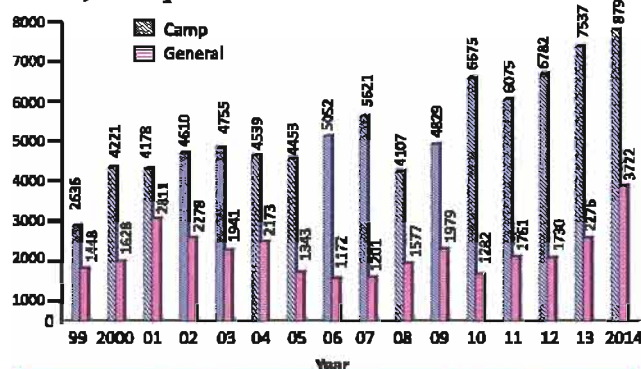
The institute organizes regular monthly free camps in order to benefit the poor. The patients are provided free consultation and drugs required for one month treatment. The statistics of the patients benefited in the camps during the year 2014 are as follows:

### Medical Camps - 2014

| S. No. | Camp                     | Day                                      | No. of camps | No. of patients treated |
|--------|--------------------------|--|--------------|-------------------------|
| 1      | Epilepsy Camps           | 1 <sup>st</sup> & 3 <sup>rd</sup> Sunday | 24           | 8791                    |
| 2      | Diabetic Camps           | 2 <sup>nd</sup> Sunday                   | 12           | 824                     |
| 3      | Hypertension & PVC Camps | Last Sunday                              | 12           | 6078                    |
| 4      | Juvenile Diabetic Camps  | 2 <sup>nd</sup> Saturday                 | 12           | 724                     |
| 5      | Rural Camps              |  | 44           | 12893                   |

## 1.7 Epilepsy Camps:

The Department of Neurology, SVIMS under the leadership of Dr B. Vengamma started free epilepsy camp on every 3<sup>rd</sup> Sunday. From 20<sup>th</sup> February 1999 till December 2014, 191 camps were conducted and 84861 patients were benefited. The patients are provided free medicines with the financial assistance of Americares, USA, SVIMS & Tirumala Tirupati Devasthanams through Sri Venkateswara Pranadana Scheme. So far, the medicines worth of Rs.1,49,77,980.93/- were distributed. In the year 2014, 8791 patients were benefited.



On the occasion of completion of 15 years noble service to the needy by Indian Epilepsy Association, Tirupati chapter and Friends of SVIMS society, Tirupati, a public awareness programme, was organised on 16 February 2014.



### 1.8 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 31.12.2014, 4716 patients were provided free treatment for TB.

### 1.9 Integrated Counselling and Testing Centre (ICTC)

Under the Department of Medicine, the ICTC centre was established on 02-02-2010 under this facility, the HIV affected patients are provided investigations, free of cost. As on 31-12-2014, 31427 patients were tested and 719 sero positive patients were referred to ART Centre at SVRR Govt. General Hospital, Tirupati for further treatment

### 1.10 Infection Control Committee

The Infection Control Committee was constituted in the year 2010 and has been operating from January 2010. This has had a definite impact on the prevention and control of Hospital acquired 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 gets suggestions and opinion from the personnel and take decisions to solve the problems.

In the year 2014, there had been a marked reduction in overall Ventilator Associated Pneumonia rates to an average of 42% when compared with the previous years and a gradual reduction in Methicillin Resistant Staphylococcus from 61% in the year 2010 to a low of 16.3% in 2014. This is in marked contrast to the scenario prevalent in other Indian Hospitals where the rate is 41%.

In 2014 we have achieved the distinction of 80-81% hand hygiene compliance rates among a cross section of the hospital staff while world

wide the compliance rate is only about 40%.

This shows the success in the control of Hospital acquired infections. The implementation of various appropriate and effective infection control measures reduced the overall antibiotic resistance of various organisms.

### 1.11 Mortality Review Meeting

The Mortality review meetings are conducted twice in a month i.e. on 1<sup>st</sup> Tuesday and 3<sup>rd</sup> Wednesday at 3.00 p.m. Dr B. Govindanarayan, R.M.O. acts as co-ordinator. The expired cases identified under medical care are reviewed by Dr Alok Sachan, Dept. of Endocrinology and Surgical cases are identified by Dr V. Venkata Rami Reddy, Dept. of Surgical Gastroenterology. 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.

### 1.12 Review Meetings

| S. No. | Nature of Meeting                      | Meeting Schedule   |
|--------|--|--|
| 1.     | Weekly review meeting and grand rounds | Every Tuesday (9-11 am)                                      |
| 2.     | Infection control committee            | 1 <sup>st</sup> Tuesday (3-4 pm)                             |
| 3.     | NTR Vaidya Seva review meeting         | 1 <sup>st</sup> & 3 <sup>rd</sup> Thursday (4-5 pm)          |
| 4.     | Meeting with Administrative Heads      | 2 <sup>nd</sup> Wednesday (3-4 pm)                           |
| 5.     | Meeting with Faculty heads             | 2 <sup>nd</sup> Friday (3- 4 pm)                             |
| 6.     | Sri Venkateswara Pranadana meeting     | 4 <sup>th</sup> Thursday (11-12 noon)                        |
| 7.     | Institute Ethical committee meeting    | 2 <sup>nd</sup> Monday (3-4 pm)                              |
| 8.     | Transfusion committee meeting          | 1 <sup>st</sup> Friday (3 – 4 pm)                            |
| 9.     | Mortality review meeting               | 1 <sup>st</sup> Tuesday & 3 <sup>rd</sup> Wednesday (3-4 pm) |



## 2.0 Academic activities

Sri Venkateswara Institute of Medical Sciences is offering various academic programmes as per the objectives of the institute established under Act No.12 of 1995. Accordingly, the institute is offering academic programmes in the field of medical sciences in super-specialties, broad-specialties, para medical and allied health sciences.

At present, the institute is offering 65 academic programmes through SVIMS, Sri Padmavathi Medical College for Women, College of Physiotherapy and College of Nursing.

The total student's strength in the campus is 1251.

## 2.1 Courses offered

| Faculty         | Courses                     | No. of seats | Dur. (Yrs) |
|-----------------|-----------------------------|--------------|------------|
| Modern Medicine | <b>MBBS</b>                 | 150          | 5 ½        |
|                 | <b>Broad-specialties</b>    |              |            |
|                 | MD-Medicine                 | 04           | 3          |
|                 | - Pathology                 | 02           |            |
|                 | - Biochemistry              | 01           |            |
|                 | - Microbiology              | 01           |            |
|                 | - Anaesthesiology           | 08           |            |
|                 | - IIBT                      | 01           |            |
|                 | - Radiotherapy              | 02           |            |
|                 | - Radiodiagnosis            | 02           |            |
|                 | - Nuclear Medicine          | 02           |            |
|                 | - Emergency Medicine        | 02           |            |
|                 | <b>Super-specialties</b>    |              |            |
|                 | DM-Cardiology               | 04           | 3          |
|                 | -Nephrology                 | 02           |            |
|                 | -Endocrinology              | 02           |            |
|                 | -Medical Oncology           | 02           |            |
|                 | -Neurology                  | 03           |            |
|                 | MCh- Cardiothoracic Surgery | 04           |            |
|                 | -Neurosurgery               | 03           |            |
|                 | -Urology                    | 04           |            |
|                 | -Surgical Oncology          | 02           |            |
|                 | -Surgical Gastroenterology  | 01           |            |

|                               |  |     |     |
|-------------------------------|--|-----|-----|
|                               | <b>Post-doctoral fellowships</b>   |     |     |
|                               | - Surgical Gastroenterology  | 03  | 1   |
|                               | - Cardiac Anaesthesia  | 02  |     |
|                               | - Neuro Anaesthesia  | 02  |     |
|                               | - Critical Care  | 02  |     |
|                               | <b>Certificate courses</b>   |     |     |
|                               | - Blood Banking & Transfusion Medicine   | 06  | 1   |
|                               | - Critical care  | 02  |     |
| <b>Basic Medical Sciences</b> | <b>Postgraduate courses</b>  |     |     |
|                               | - MSc Medical Anatomy  | 02  | 3   |
|                               | - MSc Medical Physiology   | 02  |     |
|                               | - MSc Medical Microbiology   | 03  |     |
|                               | - MSc Medical Biochemistry   | 03  |     |
| <b>Nursing</b>                | - BSc Nursing  | 100 | 4   |
|                               | - MSc Nursing in the specializations of Child health, Obstetrics & Gynaecology, Community health, Medical Surgical and Psychiatry. | 30  | 2   |
|                               | - Specialized Nursing in Cardiology  | 05  | 1   |
|                               | - Specialized Nursing in Cardiothoracic Surgery  | 05  | 1   |
|                               | - Peritoneal Dialysis Nursing  | 02  | 1   |
|                               | - Certificate Course in Dialysis Nursing   | 02  | 1   |
| <b>Allied health sciences</b> | - BPT  | 50  | 4 ½ |
|                               | - MPT in the specializations of Orthopaedics, Neurology, Cardiothoracic & Sports   | 12  | 2   |
|                               | - BSc Medical Laboratory Technology (MLT)  | 20  | 3   |
|                               | - BSc Anaesthesiology Technology(AT)   | 12  | 3   |
|                               | - BSc Neuropsychology Technology (NPT)   | 02  | 3   |
|                               | - BSc Urology Technology (UT)  | 02  | 3   |
|                               | - BSc Radiography & Imaging Technology (RIT)   | 09  | 3   |
|                               | - BSc Dialysis Technology (DT)   | 06  | 4   |
|                               | - BSc Nuclear Medicine Technology (NMT)  | 02  | 4   |
|                               | - BSc ECG & Cardiovascular Technology (CVT)  | 06  | 4   |

|  |  |    |   |
|--|--|----|---|
|  | BSc Cardiac Pulmonary Perfusion Technology(CPPT) | 02 | 3 |
| <b>Life Sciences</b>                   | MSc Biotechnology                                | 15 | 2 |
|  | MSc Bioinformatics                               | 15 | 2 |
|  | MSc Cardiovascular Technology                    | 02 | 2 |
| <b>PG Dip. in Para medical Courses</b> | Medical Records Science                          | 08 | 2 |
|  | Dialysis Technology                              | 08 | 2 |
|  | Cardiac Perfusion Technology                     | 02 | 2 |
|  |  |    |   |
| <b>Dip. courses</b>                    | Radiotherapy Technology (DRT)                    | 04 | 2 |

## 2.2 Constituent colleges

### i) SVIMS, Sri Padmavathi Medical College for Women

The Government of India granted permission for starting of Sri Padmavathi Medical College for Women with 150 intake w.e.f 2014-15 academic year vide letter No.U.12012/793/2014-ME(P-II), dt:08-08-2014 by Ministry of Health and Family welfare. The admissions are made for the academic year 2014-15 as per the G.O.Ms. No.120, dt:23.08.2014, HM & FW(C1) Dept. Accordingly, Dr NTR University of Health Sciences, Vijayawada conducted counselling for 85% of the seats (127) in the ratio of 85:15 (local : UR) through merit basing on EAMCET ranking and 15% i.e 23 seats got filled with NRI quota by issuing a notification by the Institute on merit cum means basis.

The Orientation programme for the 1<sup>st</sup> batch of MBBS students was held on 15.09.2014. Dr Murali Babu Rao, Prof. of Cardiology (Retd) addressed the freshers. The Hon'ble Minister for Health and Medical Education Dr Kamineni Srinivas was also addressed the 1<sup>st</sup> batch of MBBS students on 17.09.2014.



### *Progress in construction of the college building of SVIMS Sri Padmavathi Medical College for Women as on 31.12.2014*

The APMSIDC, Hyderabad granted the contract for construction of the Medical college building to Tracks and Towers Ltd, Hyderabad with an estimated budget of 34.55 crores for G, I & II floor of the building. An amount of 13.25 crores was spent up to 31.12.2014. The 1<sup>st</sup> phase of the building is likely to be handing over for occupation in April/May 2015. The 2<sup>nd</sup> phase tender for 3<sup>rd</sup> floor is under process.



### *Progress of the construction of the Girls hostel as on 31.12.2014.*

As per the orders of Director of Medical Education, Govt. of A.P, the Institute for pregnant women developed by APMSIDC with NRHM funds shall be handed over to Sri Padmavathi Medical College for Women for running Obstetrics and Gynaecology & Paediatric departments on temporary basis. Once the hospital building is completed (with in a span of two years) this new building would be handed over to SVMC/ SVRRGGH, Tirupati and existing Maternity hospital block will be handed over to Sri Padmavathi medical college under SVIMS .

### ii) 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. 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.





### **iii) 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 12 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.



## **2.3 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 are absorbed in industrial organizations, who are leaders in production of drugs, vaccines, etc. The students are selected in various national level examinations like, Biotechnology Consortium India Ltd. (BCIL), Council of Scientific and Industrial Research (CSIR), Graduate Aptitude Test in Engineering (GATE), Indian Council of

Medical Research (ICMR) etc. The intake of students for MSc Biotechnology is 15 in each academic year.

### **ii) Bioinformatics**

The Department of Bioinformatics was established in 2003. SVIMS is first of its kind to start PG course in Bioinformatics in Andhra Pradesh. The Department of Biotechnology (DBT), Ministry of Science and Technology has approved the Bioinformatics centre, Bioinformatics infrastructure facility. The centre has undertaken research projects sanctioned by DBT. It has four positions of studentship/raineeship sponsored by DBT. The intake of students for MSc Bioinformatics is 15 in each academic year.



### Permission and recognition for the courses by MCI

#### i) New Courses permitted from 2014-15 academic year

- MBBS - Sri Padmavathi Medical College for Women with 150 MBBS admissions  
 MD - Emergency Medicine with intake of 02 seats  
 MD - Nuclear Medicine with intake of 02 seats

#### ii) Inspections held

MCI inspections were held for the following academic programmes:

| S. No | Name of the course      | Purpose of the inspection          | Date          | Result                                    |
|-------|-------------------------|------------------------------------|---------------|---|
| 1.    | MD- Nuclear Medicine    | For permission to start the course | 06.12.2013    | 02 seats permitted                        |
| 2.    | MD - Emergency Medicine | For permission to start the course | 13.12.2013    | 02 seats permitted                        |
| 3.    | MD- Anaesthesiology     | For enhancement of seats           | 09.01.2014    | enhanced from the existing 04 to 08 seats |
| 4.    | MBBS                    | For letter of permission (LOP)     | 29-30.05.2014 | permitted for intake of 150 MBBS (women)  |
| 5.    | DM-Medical Oncology     | For recognition of seats           | 23.07.2014    | awaited                                   |
| 6.    | MCh- Surgical Oncology  | For recognition of seats           | 29.07.2014    | awaited                                   |
| 7.    | MCh- Surgical GE        | For recognition of seats           | 02.08.2014    | awaited                                   |

### 2.4 Students enrollment for the academic year 2014-15

The University received 3536 applications for various courses and 519 students were admitted on the basis of merit in the entrance test conducted by the University / qualifying examination. The academic calendar started in August, 2014 for all the courses except PG Medical (MD) courses in June and MBBS course in September 2014.

For the academic year 2014-15, 519 students were admitted against 549 seats offered in various academic programmes with enrollment of 95% is as follows.

#### 1. Modern Medicine

| S. No | Course          | Intake | OC |    | BC |    | SC |    | ST |    | PHC |   | Minority |   | Total |     | Total No. of students admitted |
|-------|-----------------|--------|----|----|----|----|----|----|----|----|-----|---|----------|---|-------|-----|--------------------------------|
|       |                 |        | M  | F  | M  | F  | M  | F  | M  | F  | M   | F | M        | F | M     | F   |                                |
| 01.   | MBBS            | 150    | -  | 67 | -  | 52 | -  | 19 | -  | 07 | -   | - | -        | 5 | -     | 150 | 150                            |
| 02.   | PG courses      | 25     | 4  | 7  | 3  | 3  | 2  | 2  | 1  | 1  | 2   | - | -        | 1 | 12    | 14  | 26                             |
|       | Anaesthesiology | 08     | 1  | 4  | -  | -  | 1  | 1  | -  | -  | -   | - | -        | 1 | 2     | 6   | 08                             |
|       | Biochemistry    | 01     | -  | -  | -  | -  | -  | -  | -  | 1  | -   | - | -        | - | -     | 1   | 01                             |
|       | Microbiology    | 01     | -  | 1  | -  | -  | -  | -  | -  | -  | -   | - | -        | - | -     | 1   | 01                             |
|       | Medicine        | 04     | 1  | 1  | -  | 1  | -  | -  | 1  | -  | -   | - | -        | - | 2     | 2   | 04                             |
|       | Pathology       | 02     | -  | -  | 2  | -  | -  | -  | -  | -  | -   | - | -        | - | 2     | -   | 02                             |



|     |                            |            |           |           |           |           |          |           |          |          |          |          |          |          |           |            |            |
|-----|----------------------------|------------|-----------|-----------|-----------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|-----------|------------|------------|
|     | IHBT                       | 01         | -         | -         | -         | -         | -        | 1         | -        | -        | -        | -        | -        | -        | -         | 1          | 01         |
|     | Radiotherapy               | 02         | 1         | -         | -         | 1         | -        | -         | -        | -        | -        | -        | -        | -        | 1         | 1          | 02         |
|     | Radio-diagnosis            | 02         | -         | 1         | -         | -         | -        | -         | -        | -        | 2        | -        | -        | -        | 2         | 1          | 03         |
|     | Nuclear Medicine           | 02         | -         | -         | 1         | 1         | -        | -         | -        | -        | -        | -        | -        | -        | 1         | 1          | 02         |
|     | Emergency Medicine         | 02         | 1         | -         | -         | -         | 1        | -         | -        | -        | -        | -        | -        | -        | 2         | -          | 02         |
| 03. | <b>DM courses</b>          | <b>13</b>  | <b>8</b>  | <b>1</b>  | <b>3</b>  | <b>-</b>  | <b>1</b> | <b>-</b>  | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>12</b> | <b>1</b>   | <b>13</b>  |
|     | Cardiology                 | 04         | 3         | 1         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 3         | 1          | 04         |
|     | Neurology                  | 03         | 2         | -         | -         | -         | 1        | -         | -        | -        | -        | -        | -        | -        | 3         | -          | 03         |
|     | Nephrology                 | 02         | 1         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 2         | -          | 02         |
|     | Endocrinology              | 02         | 1         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 2         | -          | 02         |
|     | Medical Oncology           | 02         | 1         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 2         | -          | 02         |
| 04. | <b>MCh courses</b>         | <b>14</b>  | <b>5</b>  | <b>-</b>  | <b>5</b>  | <b>-</b>  | <b>1</b> | <b>-</b>  | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>11</b> | <b>-</b>   | <b>11</b>  |
|     | Cardiothoracic Surgery     | 04         | -         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 1         | -          | 01         |
|     | Neurosurgery               | 03         | 2         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 3         | -          | 03         |
|     | Urology                    | 04         | 2         | -         | 1         | -         | 1        | -         | -        | -        | -        | -        | -        | -        | 4         | -          | 04         |
|     | Surgical Oncology          | 02         | -         | -         | 2         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 2         | -          | 02         |
|     | Surgical GE                | 01         | 1         | -         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 1         | -          | 01         |
| 05. | <b>PDF</b>                 | <b>05</b>  | <b>2</b>  | <b>2</b>  | <b>1</b>  | <b>-</b>  | <b>-</b> | <b>-</b>  | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>3</b>  | <b>2</b>   | <b>05</b>  |
|     | Neuro anesthesia           | 02         | -         | 1         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | -         | 1          | 01         |
|     | Critical care              | —          | -         | -         | 1         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 1         | -          | 01         |
|     | Cardiac anesthesia         | —          | -         | -         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | -         | -          | -          |
|     | Surgical GE                | 03         | 2         | 1         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | 2         | 1          | 03         |
| 06. | <b>Certificate courses</b> | <b>08</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b> | <b>-</b>  | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b>  | <b>-</b>   | <b>-</b>   |
|     | IHBT                       | 06         | -         | -         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | -         | -          | -          |
|     | Critical care              | 02         | -         | -         | -         | -         | -        | -         | -        | -        | -        | -        | -        | -        | -         | -          | -          |
|     | <b>Total Students:</b>     | <b>215</b> | <b>19</b> | <b>77</b> | <b>12</b> | <b>55</b> | <b>4</b> | <b>21</b> | <b>1</b> | <b>8</b> | <b>2</b> | <b>-</b> | <b>-</b> | <b>6</b> | <b>38</b> | <b>167</b> | <b>205</b> |

## 2. PhD Programmes

| S. No. | Course                 | Intake    | OC |          | BC |   | SC       |   | ST       |   | PHC |   | Minority |   | Total    |          | Total No. of students admitted |
|--------|------------------------|-----------|----|----------|----|---|----------|---|----------|---|-----|---|----------|---|----------|----------|--------------------------------|
|        |                        |           | M  | F        | M  | F | M        | F | M        | F | M   | F | M        | F | M        | F        |                                |
| 07.    | <b>PhD</b>             | <b>03</b> | -  | 1        | -  | - | 1        | - | 1        | - | -   | - | -        | - | 2        | 1        | <b>03</b>                      |
|        | Biochemistry           | 02        | -  | 1        | -  | - | -        | - | 1        | - | -   | - | -        | - | 1        | 1        | 02                             |
|        | Bioinformatics         | 01        | -  | -        | -  | - | 1        | - | -        | - | -   | - | -        | - | 1        | -        | 01                             |
|        | <b>Total students:</b> | <b>03</b> | -  | <b>1</b> | -  | - | <b>1</b> | - | <b>1</b> | - | -   | - | -        | - | <b>2</b> | <b>1</b> | <b>03</b>                      |

## 3. Life sciences, paramedical and allied health sciences courses

| S. No. | Course                                 | Intake | OC |    | BC |    | SC |    | ST |   | PHC |   | Minority |   | Total |    | Total No. of students admitted |
|--------|--|--------|----|----|----|----|----|----|----|---|-----|---|----------|---|-------|----|--------------------------------|
|        |  |        | M  | F  | M  | F  | M  | F  | M  | F | M   | F | M        | F | M     | F  |                                |
| 08.    | BSc (N)                                | 100    | 1  | 9  | 5  | 41 | 2  | 27 | 3  | 5 | 1   | 1 | 1        | 4 | 13    | 87 | 100                            |
| 09     | BPT                                    | 50     | 2  | 11 | 8  | 12 | 1  | 7  | 1  | 2 | -   | - | -        | 6 | 12    | 38 | 50                             |
| 10.    | BSc (Para medical)                     | 61     | 7  | 5  | 9  | 17 | 5  | 8  | 2  | 2 | 1   | - | 1        | 4 | 25    | 36 | 61                             |
|        | AT                                     | 12     | 1  | 2  | 2  | 2  | 3  | 1  | 1  | - | -   | - | -        | - | 7     | 5  | 12                             |
|        | MLT                                    | 20     | 1  | -  | 3  | 7  | 2  | 2  | -  | 1 | 1   | - | -        | 3 | 7     | 13 | 20                             |
|        | CVT                                    | 06     | 2  | 1  | -  | 2  | -  | 1  | -  | - | -   | - | -        | - | 2     | 4  | 6                              |
|        | NPT                                    | 02     | -  | -  | 1  | -  | -  | 1  | -  | - | -   | - | -        | - | 1     | 1  | 2                              |
|        | UT                                     | 02     | -  | 1  | -  | -  | -  | 1  | -  | - | -   | - | -        | - | -     | 2  | 2                              |
|        | RIT                                    | 09     | 1  | 1  | 3  | 2  | -  | 1  | 1  | - | -   | - | -        | - | 5     | 4  | 9                              |
|        | N MT                                   | 02     | 1  | -  | -  | -  | -  | 1  | -  | - | -   | - | -        | - | 1     | 1  | 2                              |
|        | D T                                    | 06     | 1  | -  | -  | 2  | -  | -  | -  | 1 | -   | - | 1        | 1 | 2     | 4  | 6                              |
|        | CPPT                                   | 02     | -  | -  | -  | 2  | -  | -  | -  | - | -   | - | -        | - | -     | 2  | 2                              |
| 11.    | MSc (N)                                | 30     | -  | 7  | 2  | 12 | -  | 8  | -  | - | -   | - | -        | 1 | 2     | 28 | 30                             |
| 12.    | MPT                                    | 12     | 3  | 1  | 1  | 4  | 2  | -  | -  | 1 | -   | - | -        | - | 6     | 6  | 12                             |
| 13.    | MSc                                    | 32     | 4  | 1  | 1  | 1  | 2  | 2  | -  | 1 | -   | - | -        | - | 7     | 5  | 12                             |
|        | Biotechnology                          | 15     | 4  | -  | 1  | -  | 2  | 1  | -  | - | -   | - | -        | - | 7     | 1  | 8                              |
|        | Bioinformatics                         | 15     | -  | 1  | -  | 1  | -  | 1  | -  | 1 | -   | - | -        | - | -     | 4  | 4                              |
|        | Cardiovascular Technology              | 02     | -  | -  | -  | -  | -  | -  | -  | - | -   | - | -        | - | -     | -  | -                              |
| 14.    | MSc Medical                            | 10     | 1  | -  | 4  | 1  | 2  | 1  | -  | - | 1   | - | -        | - | 8     | 2  | 10                             |
|        | Anatomy                                | 02     | 1  | -  | -  | -  | 1  | -  | -  | - | -   | - | -        | - | 2     | -  | 02                             |
|        | Physiology                             | 02     | -  | -  | 1  | -  | 1  | -  | -  | - | -   | - | -        | - | 2     | -  | 02                             |
|        | Biochemistry                           | 03     | -  | -  | 2  | 1  | -  | -  | -  | - | -   | - | -        | - | 2     | 1  | 03                             |
|        | Microbiology                           | 03     | -  | -  | 1  | -  | -  | 1  | -  | - | 1   | - | -        | - | 2     | 1  | 03                             |
| 15.    | Specialized Nursing                    | 12     | -  | -  | 5  | 5  | 2  | -  | -  | - | -   | - | -        | - | 7     | 5  | 12                             |
|        | Cardiac Nursing                        | 05     | -  | -  | 3  | -  | 2  | -  | -  | - | -   | - | -        | - | 5     | -  | 05                             |
|        | Cardiothoracic Nursing                 | 05     | -  | -  | 1  | 4  | -  | -  | -  | - | -   | - | -        | - | 1     | 4  | 05                             |
|        | Peritoneal Dialysis Nursing            | 02     | -  | -  | 1  | 1  | -  | -  | -  | - | -   | - | -        | - | 1     | 1  | 02                             |
| 16.    | PG Dip. in Para medical courses:       | 18     | 2  | 1  | 3  | 3  | 3  | 3  | 2  | - | -   | - | 1        | - | 11    | 07 | 18                             |
|        | Cardiac pulmonary Perfusion Technology | 02     | -  | 1  | -  | -  | 1  | -  | -  | - | -   | - | -        | - | 1     | 1  | 02                             |
|        | Dialysis Technology                    | 08     | 2  | -  | 3  | 1  | -  | 2  | -  | - | -   | - | -        | - | 5     | 3  | 08                             |
|        | Medical Records Science                | 08     | -  | -  | -  | 2  | 2  | 1  | 2  | - | -   | - | 1        | - | 5     | 3  | 08                             |

| S. No.                      | Course                              | Intake     | OC        |            | BC        |            | SC        |           | ST        |           | PHC      |          | Minority |           | Total      |            | Total No. of students admitted |
|-----------------------------|-------------------------------------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|------------|------------|--------------------------------|
|                             |                                     |            | M         | F          | M         | F          | M         | F         | M         | F         | M        | F        | M        | F         | M          | F          |                                |
| 17.                         | Diploma in Para medical disciplines | 06         | 2         | -          | 1         | 1          | 1         | -         | 1         | -         | -        | -        | -        | -         | 5          | 1          | 06                             |
|                             | Radiotherapy Technology             | 04         | 1         | -          | 1         | 1          | 1         | -         | -         | -         | -        | -        | -        | 3         | -          | 1          | 04                             |
|                             | Dialysis Nursing                    | 02         | 1         | -          | -         | -          | -         | -         | 1         | -         | -        | -        | -        | 2         | -          | -          | 02                             |
| <b>Total Students:</b>      |                                     | <b>331</b> | <b>22</b> | <b>35</b>  | <b>39</b> | <b>97</b>  | <b>20</b> | <b>56</b> | <b>9</b>  | <b>11</b> | <b>3</b> | <b>1</b> | <b>3</b> | <b>15</b> | <b>96</b>  | <b>215</b> | <b>311</b>                     |
| <b>GRAND TOTAL (1+2+3)=</b> |                                     | <b>549</b> | <b>42</b> | <b>113</b> | <b>52</b> | <b>152</b> | <b>25</b> | <b>77</b> | <b>11</b> | <b>19</b> | <b>3</b> | <b>1</b> | <b>3</b> | <b>21</b> | <b>136</b> | <b>383</b> | <b>519</b>                     |

## 2.5 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 academic year 2013-14, an amount of Rs.1,67,96,246/- was released to the beneficiaries as detailed below:

| S. No.       | Student Category | No. of students benefited | Amount sanctioned (₹) |
|--------------|------------------|---------------------------|-----------------------|
| 01.          | SC               | 226                       | 69,63,100.00          |
| 02.          | ST               | 38                        | 11,10,480.00          |
| 03.          | BC               | 254                       | 53,82,344.00          |
| 04.          | EBC              | 130                       | 32,74,100.00          |
| 05.          | Minority         | 34                        | 66,222.00             |
| <b>TOTAL</b> |                  | <b>682</b>                | <b>1,67,96,246.00</b> |

For the year 2014-15, the Government fixed the ceiling limit of the annual parental income to Rs. 2,00,000/- for SC, ST categories and Rs. 1,00,000/- for BC, EBC & Minority categories to become eligible to apply for scholarship. 80% - 90% of the students admitted have submitted their applications online to the respective welfare authorities for sanction of scholarship.

## 2.6 Hostels

The University provides hostel facility for boys, girls and resident doctors. The accommodation available and occupied for the year 2014 is furnished below:

| S. No.       | Name of the Hostel                 | No. of Rooms | No. of students accommodated |
|--------------|------------------------------------|--------------|------------------------------|
| 01.          | PG Doctors Hostel block-I          | 28           | 27                           |
| 02.          | PG Doctors Hostel 50 block –II     |              | 50                           |
| 03.          | Boys Hostel Block-I                | 45           | 182                          |
| 04.          | Girls Hostel Block-I (BIRRD)       | 25           | 107                          |
| 05.          | Girls Hostel Block- II (Choultry)  | 40           | 137                          |
| 06.          | New Girls Hostel Block-III         | 46           | 238                          |
| 07.          | New Girls Hostel for MBBS students | 56           | 105                          |
| 08.          | NRI students block (Guest house)   | 12           | 06                           |
| 09.          | Residents Quarters                 | 20           | 20                           |
| <b>Total</b> |                                    | <b>316</b>   | <b>872</b>                   |

## 2.7 Quarters

The Institute provides accommodation for teaching and non-teaching staff with in the campus. The accommodation available and occupied for the year 2014 is furnished below:

| S. No.       | Name of the Quarters                              | No.        | No. of staff accommodated |
|--------------|---|------------|---------------------------|
| 01.          | Faculty quarters (old blocks - I, II, III)        | 19         | 18                        |
| 02.          | Professor quarters – south block                  | 12         | 12                        |
| 03.          | Assistant Professors Middle block                 | 16         | 16                        |
| 04.          | Assistant Professors North block                  | 16         | 16                        |
| 05.          | Non-Teaching staff quarters (4 blocks of 12 each) | 48         | 46                        |
| <b>Total</b> |   | <b>111</b> | <b>108</b>                |

### 3.0 Examination Activities

The examination section conducts both University and entrance examinations. The entrance examinations include those for admission to Postgraduate Medical courses – Broad Specialty (MD), Super specialty (DM/MCh), Master of Physiotherapy (MPT), MSc Nursing, MSc - Life sciences i.e. Biotechnology & Bioinformatics and MSc (Medical) in Anatomy, Physiology, Biochemistry and Microbiology courses. The University examinations include periodic and final examinations for MD, DM/ MCh, MPT, MSc Nursing, MSc (Life sciences), MSc (Medical), BPT, BSc Nursing, BSc Paramedical courses etc.

The examination section has role in awarding degrees, organizing the Institute convocation and also in conducting selection tests for employment. The details of entrance examinations, university examinations conducted, PhDs awarded and the best outgoing students for the academic year 2013-14 are as follows:

#### 3.1 Examination results (Regular and Supplementary)

The results of the final year examinations conducted during the period from August 2013 to July 2014 are as follows:

| Name of the course                           | Number of students appeared |          | Number of students passed |          | Percentage of pass |          |
|--|-----------------------------|----------|---------------------------|----------|--------------------|----------|
|  | Jan/Feb                     | Jun/July | Jan/Feb                   | Jun/July | Jan/Feb            | Jun/July |
| <b>DM/MCh Courses</b>                        | 01                          | 22       | 01                        | 22       | 100                | 100      |
| <b>MD Courses</b>                            | -                           | 08       | -                         | 08       | -                  | 100      |
| <b>Postgraduate</b>                          |                             |          |                           |          |                    |          |
| Master of Physiotherapy                      | -                           | 12       | -                         | 12       | -                  | 100      |
| MSc Nursing                                  | 01                          | 28       | 01                        | 28       | 100                | 100      |
| MSc Medical courses                          | -                           | 08       | -                         | 08       | -                  | 100      |
| MSc Biotechnology                            | 01                          | 16       | 00                        | 16       | 00                 | 100      |
| MSc Bioinformatics                           | -                           | 08       | -                         | 08       | -                  | 100      |
| <b>Undergraduate</b>                         |                             |          |                           |          |                    |          |
| Bachelor of Physiotherapy                    | 21                          | 37       | 15                        | 29       | 71.42              | 78.37    |
| BSc Nursing                                  | 09                          | 93       | 09                        | 93       | 100                | 100      |
| BSc Paramedical                              | 08                          | 42       | 06                        | 36       | 75                 | 85.71    |
| B.Sc. Physician Assistant                    | 05                          | 05       | 01                        | 05       | 20                 | 100      |
| <b>Diploma/Certificate</b>                   |                             |          |                           |          |                    |          |
| PG Diploma in Para Medical Technical courses | -                           | 08       | -                         | 08       | -                  | 100      |
| Certificate course in Specialized nursing    | -                           | 10       | -                         | 10       | -                  | 100      |
| Diploma in Radiotherapy                      | -                           | 03       | -                         | 03       | -                  | 100      |



### 3.2 Best outgoing students

| Course             | Name  |
|--------------------|---|
| DM                 | Dr M.Arun<br>(Endocrinology)                        |
| MCh                | Dr C. Surya Prakash Reddy ( Genito Urinary Surgery) |
| MD                 | Dr Y.Naresh<br>(Biochemistry)                       |
| MSc ( Nursing)     | Ms K.Padma  |
| MPT                | Ms M.Harshitha                                      |
| MSc (Medical)      | Ms B.Indumathi                                      |
| MSc Biotechnology  | Ms E.Madhurekha                                     |
| MSc Bioinformatics | Mr V.Siva Krishna                                   |
| BSc ( Nursing)     | Ms M.Lokeswari                                      |
| BPT                | Ms V.Meena  |
| BSc (Paramedical ) | Mr T.Kalyan Sai                                     |

### 3.3 Medals awarded

- I) Dr G.Subramanyam & Dr Sunitha Subramanyam Medal for the year 2013 & 2014
- Dr M.Arun, DM Endocrinology – 2014 (First among the students of all D.M courses)
  - Dr C. Surya Prakash Reddy, MCh Genito Urinary Surgery-2014 (First among the students of all M.Ch courses).
  - Dr Y.Naresh , MD Biochemistry – 2014 (First among the students of all M.D courses).
  - Ms M. Lokeswari, BSc Nursing – 2014
  - Ms V.Meena, Bachelor of Physiotherapy – 2013
- ii) Late Dr P.Subrahmanyam, IAS Medal for the year 2014
- Mr.V.Siva Krishna, M.Sc. Bioinformatics (First among the students of all Life Sciences)

- iii) Faculty, College of Physiotherapy Medal for the year 2014
- Ms.M.Harshitha, Master of Physiotherapy

### 3.4 Medals instituted

- Dr Subhashini Yaturu, USA has donated US \$ 16000 towards awarding “Prof. N. Ramachandra Rao Gold Medal” to be awarded to the “Best Outgoing Postgraduate Junior Resident in MD (Medicine) w.e.f. the year 2015. Prof. N. Ramachandra Rao is a Former Professor of Medicine, Kurnool Medical College, Kurnool and a legendary physician.
- Dr V. Jayaram & Smt. Lalitha Jayaram had donated Rs. 25000/- towards awarding a “Medal” for the student who stood first in the 1<sup>st</sup> year MBBS Examinations w.e.f. the year 2015.

### 3.5 Entrance Examination results

| Sl. No | Name of the entrance examination                             | Date of Examination | No. of candidate appeared |
|--------|--|---------------------|---------------------------|
| 1      | PG Medical (MD) courses                                      | 09.02.2014          | 1239                      |
| 2      | DM Cardiology  | 25.06.2014          | 81                        |
| 3      | DM Endocrinology   | 25.06.2014          | 31                        |
| 4      | DM Neurology   | 25.06.2014          | 38                        |
| 5      | DM Nephrology  | 25.06.2014          | 32                        |
| 6      | DM Medical Oncology  | 25.06.2014          | 19                        |
| 7      | MCh Genito Urinary surgery                                   | 25.06.2014          | 51                        |
| 8      | MCh Neurosurgery   | 25.06.2014          | 15                        |
| 9      | MCh Surgical Oncology  | 25.06.2014          | 78                        |
| 10     | MCh Cardiothoracic Surgery                                   | 25.06.2014          | 1                         |
| 11     | MCh Surgical Gastroenterology                                | 25.06.2014          | 41                        |
| 12     | MSc Nursing  | 06.07.2014          | 86                        |
| 13     | Master of Physiotherapy                                      | 06.07.2014          | 16                        |
| 14     | MSc courses /P.G.Diploma in Para – Medical Technical courses | 06.07.2014          | 93                        |

### 3.6 Details of the thesis / dissertation completed

| Name of the course | Name of the student  | Title of thesis/Dissertation  |
|--------------------|----------------------|---|
| PhD                | A.Viswanath Reddy    | A prospective randomized controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers  |
|                    | K.Vivekanand         | Study of the structure and functioning of referral mechanism of patients receiving treatment and records linkage under Revised National Tuberculosis Control Programme (RNTCP) of Government of India |
|                    | I.Vani Priyadarshini | Identification of common drug targets, drug molecules and vaccine candidates against causative organisms of infective endocarditis using in silico methods  |
| MD Anaesthesiology | Dr A.Lava Kumar      | The effects of dexmedetomidine on haemodynamic response to tracheal intubation and anaesthetic requirements; double blind and prospective randomized controlled study                                 |
|                    | Dr K.G.Sree Hari     | Effect of 4% gelatin and dextran-40 on blood sugar levels during surgery under subarachnoid block   |
|                    | Dr J.Chaitanya       | Comparative evaluation of 2% lignocaine viscous gargling and intravenous lignocaine for insertion of laryngeal mask airway (LMA)  |
| MD Biochemistry    | Dr Naresh Yajamanam  | Clinical utility of salivary parameters in diagnosis and monitoring of Renal failure  |

|   |                        |   |
|---|------------------------|---|
| MD<br>Medicine                                  | Dr N.Sowgandhi         | Prevalence of aetiologic overlap between rheumatoid arthritis and pyogenic arthritis, pyoderma gangrenosum and acne (PAPA) syndrome   |
|   | Dr N.Dinesh Kumar      | Prevalence of human immunodeficiency virus infection in incident Tuberculosis cases   |
| MD<br>Microbiology                              | Dr G.L.S.Sumanth Kumar | A study to evaluate the sensitivity and specificity of ELISA taking indirect immunofluorescence as reference test in detecting autoantibodies related to connective tissue disorders and further differentiating them by western blot                     |
| MD Immuno<br>Haematology &<br>Blood Transfusion | Dr B.Suresh Babu       | Prevalence of unexpected antibodies in the antenatal women attending the government maternity hospital, Tirupati  |
| DM<br>Cardiology                                | Dr A.Vidyasagar        | Assessment of RV function by 2D and 3D Echocardiography, before and after ASD Device closure  |
|   | Dr C.Siva Sankara      | The prognostic significance of NT-Pro BNP, 3D LA volume and LV dyssynchrony in patients with acute ST Elevation Myocardial Infraction (STEMI) undergoing Primary Percutaneous Intervention (PCI)  |
|   | Dr M.Boochibabu        | Study of the relationship between metabolic syndrome score and Angiographic severity of coronary artery disease   |
|   | Dr K.P. Ranganayakulu  | Plasma N- Terminal pro B-Type Natriuretic peptide levels as a marker of adequacy of valvotomy in patients with rheumatic mitral stenosis  |
| D.M Medical<br>Oncology                         | Dr V.Venkata Sampath   | A prospective randomized study comparing traditional fluoropyrimidine based single agent or doublet regimens versus epirubicin based versus taxane based protocols and exploring surrogate markers for response evaluation in advanced gastric carcinomas |
|   | Dr K.Sudheer Reddy     | Assessment of Hematologic, cytogenetic and molecular response to imatinib mesylate in chronic myeloid leukemia  |
| DM<br>Endocrinology                             | Dr M.Arun              | Prevalence of islet autoimmunity among patients with Type2 diabetes mellitus  |
|   | Dr A.Sailaja           | Effects of thyroid hormone replacement on HbA <sub>1c</sub> levels in nondiabetic subjects with overt hypothyroidism  |
| DM<br>Neurology                                 | Dr M.Sudhakar Rao      | A Study of Aetiology, clinical presentation, management and outcome in patients presenting with status epilepticus  |
|   | Dr J.Varadaraja        | A Study of In-hospital medical and neurological complications and outcome in patients with acute stroke   |

|  |                          |   |
|--|--------------------------|---|
|  | Dr Rama krishna          | The spectrum of inflammatory demyelinating diseases of the central nervous system   |
| D.M Nephrology   | Dr B.Varalakshmi Devi    | Study of plasma osteopontin levels in patients with acute kidney injury requiring dialysis  |
| MCh CT Surgery   | Dr K.H. Raghavendra      | The impact of left atrial size reduction in patients undergone mitral valve surgery   |
| MCh Genito Urinary Surgery                               | Dr A.Ramprasad Reddy     | A prospective study on assessment of post emphysematous pyelonephritic kidney function by radionuclide scan after initial conservative management   |
|  | Dr A.Ganesh              | Comparison of prevalence and pathological characteristics of prostate cancer between patients with PSA levels of 2.6 to 4ng/ml and those with PSA greater than 4ng/ml with benign prostatic examination |
|  | Dr C.Surya Prakash Reddy | A prospective observational study on effectiveness of prognostic factors influencing disease free survival in renal cell carcinoma  |
|  | Dr Y.L.Sreeranga         | Assessment of changes in contralateral renal parenchymal volume after unilateral nephrectomy  |
| MCh Neurosurgery   | Dr A.Sanjeev Kumar       | Functional outcome of autologous stem cell transplantation in patients with complete spinal cord injury   |
|  | Dr M.Abdul Ameen         | Outcome and management of spinal tuberculosis according to severity at a tertiary referral centre   |
| MCh Surgical Oncology                                    | Dr N.Raghu Vamsi         | Comparison of outcome with or without prophylactic central node dissection in differentiated thyroid cancers  |
|  | Dr A.Ramesh              | Laparoscopic Vs open radical hysterectomy in case of carcinoma cervix patients  |
| MCh Surgical Gastroenterology                            | Dr K.Radha Krishna       | Prospective randomized study comparing Billroth II with Braun anastomosis versus Roux-En-Y reconstruction after radical distal gastrectomy for gastric cancer   |
| MSc Nursing in Medical & Surgical Nursing Specialization | Ms B. Anuradha           | A study to assess the factors affecting therapeutic compliance among hypertensive patients attending hypertension clinic SVIMS, Tirupati  |
|  | Ms G.Anusha              | A study to assess the effectiveness of pre operative teaching programme on anxiety levels among patients undergoing cardiac surgery, at cardiothoracic ward, SVIMS, Tirupati                            |
|  | Ms S.Deepthi             | A study to assess the knowledge on cardiac rehabilitation among myocardial infarction patients admitted in cardiology ward, SVIMS, Tirupati   |
|  | Ms K.Lakshmi Bhavani     | A study to assess the quality of life among post myocardial infarction patients, attending cardiology OPD, SVIMS, Tirupati  |



|   |                      |   |
|---|----------------------|---|
|   | Ms U.Lathasree       | A study to assess the knowledge on prevention of coronary artery disease among patients underwent coronary angiography with normal coronaries at cardiology ward, SVIMS, Tirupati   |
|   | Ms K.Padma           | A study to assess the level of knowledge on diet among patients with coronary artery disease attending cardiology OPD, SVIMS, Tirupati  |
| <b>MSc Nursing in Child Health Nursing Specialization</b>     | Mr K.Chaitanya       | A Study to evaluate the effectiveness of structured teaching programme on bronchopneumonia among mothers of under five children in S.V.R.R.G.G.H Tirupati   |
|   | Ms S.Chottima        | A Study to assess the level of anxiety & coping strategies among EAMCET exam appearing students at selected colleges of Tirupati, with a view to develop an information booklet on EAMCET exam Anxiety & Relaxation techniques. |
|   | Ms R.Divya Madhuri   | A comparative study to assess the knowledge of mothers regarding home management of selected childhood illnesses among toddlers residing in selected urban & rural areas of Tirupati  |
|   | Ms J.Jagadeeswari    | An assessment of nutritional status of preschool children in selected rural Anganwadi centres of Tirupati   |
|   | Ms A.Leelavathi      | A Comparative study to assess the attitude of mothers and fathers towards girl child in selected areas of Tirupati  |
|   | Ms J.Sambhitha       | A Comparative study to assess knowledge attitude and knowledge on practices regarding diet during selected childhood illnesses among mothers of under fives of urban & rural areas Tirupati                                     |
| <b>MSc Nursing in Community Health Nursing Specialization</b> | Ms C.Karunasri       | A study to assess the knowledge regarding domestic waste management among women at selected urban areas Tirupati  |
|   | Ms M.Manjula         | A study to assess the knowledge on selected aspects of newborn care among third trimester primigravida mothers, at MCH centre, Tirupati   |
|   | Mr K.Naga Venkat     | A study to assess the level of knowledge regarding transmission and prevention of lymphatic filariasis among adults in selected urban slum Tirupati   |
|   | Mr D.Rajkumar        | A study to assess the level of knowledge on Hepatitis-B among adolescents in selected rural government junior colleges Tirupati   |
|   | Mr M.Suleman Shareef | A study to assess the knowledge regarding cataract among adults in selected areas of Tirupati   |
|   | Ms J.Mahathi         | A comparative study to assess academic achievement motivation among secondary school students in urban and rural areas of Tirupati  |

|   |                        |  |
|---|------------------------|--|
| MSc Nursing in Psychiatry Nursing Specialization                  | Ms V.Padma             | A study to assess the parental attachment & self esteem among adolescents of selected colleges, Tirupati   |
|   | Ms C.Reddemma          | A comparative study to assess the level of depression among elderly men and women residing at selected old age home, Tirupati  |
|   | Ms U.Suhasini          | A study to assess the level of stress and coping among mothers of children with hearing impairment in selected institution for deaf in, Tirupati   |
|   | Mr K.Vasanth Kumar     | A study to assess the burden among caregivers of schizophrenic clients in SVRRGGH, Tirupati  |
| MSc Nursing in Obsteric and Gynaecological Nursing Specialization | Ms G.Manoranjani       | A study to assess the effectiveness of STP on PPIUCD (Post Placental Intrauterine contraceptive device) among Primigravida mothers in selected MCH centre tirupati                           |
|   | Ms K.Meena             | A study to assess the effectiveness of STP on life style modifications among post menopausal woman in selected rural areas, Tirupati   |
|   | Ms K.Sandhya Rani      | A study to assess the knowledge regarding eclampsia among multipurpose health workers (F) at selected PHCs, Tirupati   |
|   | Ms K.Sobha             | A study to evaluate the effectiveness of structured teaching programme on pelvic floor exercises in prevention of urinary incontinence among premenopausal woman in selected areas, Tirupati |
|   | Mr G.Sravan Reddy      | A study to assess the effectiveness of structured teaching programe on polycystic ovary syndrome among adolescent girls in a selected college Tirupati                                       |
|   | Ms J. Venkatalakshumma | A study to assess the effectiveness of structured teaching programme regarding infertility among degree students at a selected college, Tirupati   |
| MSc Anatomy   | Ms K.Vishnu Priya      | Comparative dermatoglyphic patterns in mentally retarded and normal children   |
| MSc Biochemistry  | Ms B.Indumathi         | Study of ischemia modified albumin and adenosine deaminase levels in early stages of chronic kidney disease stage – I and II   |
|   | Mr S.Naresh            | Measurement of Thyroid Hormones in saliva  |
|   | Mr M.Ramesh Babu       | Evaluation of assay for Ischaemia modified albumin (IMA) using albumin cobalt binding (ACB) assay for automation   |
| MSc Physiology  | Ms P.Pravalika         | Study of pulmonary function tests in women exposed to Biomass Fumes  |
|   | Mr G.Indra Kumar       | Orthostatic Hypotension in Diabetics   |
| MSc Microbiology  | Mr N.Vishnuteja        | The study of procalcitonin levels in Blood of Leptospirosis cases  |
|   | Ms P.Vidyasagarika     | Vancomycin MIC of Enterococcus showing reduced zone of inhibition by disk diffusion method   |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>MSc<br/>Biotechnology</b>  | Ms S.Anusha         | Identification and characterization of alcohol dehydrogenase from <i>Staphylococcus aureus</i> ATCC12600   |
|                               | Ms K.Desamma        | Cloning, expression and characterization of protein tyrosine phosphatase (PTP) gene from <i>Staphylococcus aureus</i> ATCC12600  |
|                               | Mr B.Guma           | Differentiation of Human CD34+ stem Cells into Oligodendrocytes  |
|                               | Mr P.Hari Prasad    | Cloning, expression and characterization of NAT gene from <i>Staphylococcus</i> ATCC12600  |
|                               | Ms R.Haritha        | In vitro differentiation of reticulocytes from Erythropoietin (EPO) Induced CD34 <sup>+</sup> ve stem cells  |
|                               | Ms E.Madhu Rekha    | Identification of Glut2 transporter gene expression in differentiated beta cells obtained from human hematopoietic stem cells.   |
|                               | Mr N.Naveen Kumar   | To study the expression of PDX1 gene in differentiated beta cells from Human CD34+ cells   |
|                               | Ms M.Nirmala        | Cloning, Expression and Characterization of Pyruvate decarboxylase gene from <i>Staphylococcus aureus</i> ATCC12600  |
|                               | Ms V.Padmavathi     | Differentiation of human CD34+ stem cells into cardiomyocytes  |
|                               | Ms P.Priya          | Identification and characterization of Penta peptide ligase from <i>staphylococcus aureus</i> ATCC12600  |
|                               | Ms M.N.Priyanka     | Quantitative real time PCR analysis to assess the expression of Surfactant proteins B and C in In vitro differentiated type II pneumocytes culture obtained from human CD34+ cells.          |
|                               | Mr G.Roopesh        | Expression and characterization of reticulocytes specific marker $\beta$ -Globin gene from Erythropoietin (EPO) induced CD 34 <sup>+</sup> ve stem cells.                                    |
|                               | Mr G.D.Sarath Kumar | In vitro characterization of <i>Staphylococcus aureus</i> biofilms and identification of FnbA gene its involvement in biofilm formation.   |
|                               | Mr G.Soma Sekhar    | Synthesis and Characterization of Silver Nanoparticles using <i>Bacillus subtilis</i> and <i>Bacillus anthracis</i> its effect on the antibiofilm activity of <i>Staphylococcus aureus</i> . |
| <b>MSc<br/>Bioinformatics</b> | Ms V.Shravani       | Identification and Characterization of Peptidyl deformylase from <i>Staphylococcus aureus</i> ATCC12600  |
|                               | Mr B.Bhaskar        | Identification of novel inhibitor molecules for acyltransferase of <i>Leptospira interrogans</i> through virtual screening   |
|                               | Mr M.Charan kumar   | Discovery of novel inhibitors by virtual screening against thymidylate synthase of <i>Helicobacter pylori</i>  |
|                               | Mr N.Sivakumary     | Discovery of novel inhibitors by virtual screening against GTP pyrophosphokinase of <i>Neisseria meningitidis</i> serogroup B (strain MC58).   |

|  |                   |   |
|--|-------------------|---|
|  | Mr N.Narasimhulu  | Identification of novel inhibitor molecules for choloylglycine hydrolase of <i>Enterococcus faecalis</i> through virtual screening. |
|  | Mr S.Parveen      | Molecular docking strategies to explore novel inhibitors against alpha-2,3-sialyltransferase of <i>Neisseria meningitidis</i>       |
|  | Mr V.Siva Krishna | In silico identification of novel inhibitors against putative sortase of <i>Streptococcus pneumoniae</i> .                          |
|  | Ms N.Sushmitha    | Designing of novel inhibitors for DNA processing chain A of <i>Haemophilus influenzae</i> type b KW20Rd.                            |
|  | Mr M.L.Varaprasad | Identification of novel inhibitors for inositol monophosphatase of <i>Staphylococcus Aureus</i> through virtual screening.          |

#### 4.0 Establishment section

Human Resource is a combination of quantitative and qualitative assessment of human beings. The Establishment Section (HR Department) in SVIMS is involved in payroll administration, managing salaries, providing benefits and incentives, evaluating performance, resolving disputes and communicating with all employees at all levels. Other activities include providing effective policies, procedures, guidelines and support, maintaining personnel records of all employees.

The following are the activities and programs initiated by the department in the year 2014 with statistics of the workforce.

Teaching staff -311 (including Faculty, Residents and Tutors), Non Faculty – 303 (including Non teaching, paramedical, nursing and administrative staff), and Outsourcing staff -1124 (Skilled, Semiskilled and Unskilled) are rendering services to patients

#### Recruitment & Selection Process:

The success of an Institute depends to an extent as to how efficient, experienced and capable employees are procured and recruited. Advertisement is a key part of the recruitment process. Notification for recruitment of Faculty (Medical) were published in leading national newspapers, institute's website and in India Medical Times website. Recruitment for non-faculty posts were also published in national newspaper. Effective screening and selection has been regarded as the most important function of HRD. As such, the applications received were scrutinized by a "Scrutiny Committee" comprising Senior Professors and administrative heads.

#### Selection committee for appointment of Faculty

As per section 19(1) of SVIMS Draft Service Rules, all faculty vacancies meant to be filled by direct recruitment shall be appointed only after selection by a selection committee referred under section 22 of the Act constituted for the purpose, by the appointing authority.

The Selection Committee for appointment of faculty is as follows:

- The Director-cum-Vice Chancellor
- Principal Secretary to Government, HM & FW department or his nominee.
- One External Expert from the speciality concerned.
- Dean of the faculty as convenor.
- One honorary consultant to be nominated by the Director



### **Selection committee for appointment of Non-Faculty**

As per section 19(2) of SVIMS Draft Service Rules, all non-faculty vacancies meant to be filled by direct recruitment shall be appointed only after selection by a selection committee consisting of:

- a. The Director-cum-Vice Chancellor
- b. Head of Department concerned.
- c. One External Expert from the concerned subject, nominated by the Director
- d. A representative of the Executive Officer of the T.T.Ds.
- e. The Registrar (the Convener of the Selection Committee)

Interviews for the posts of Faculty (Medical) and Non-faculty were conducted by the Selection Committee. The Selection Committee meeting was held twice in the year 2014 i.e. from 07-01-2014 to 10-01-2014 and 18-09-2014 to 19-09-2014.

### **The following faculty joined in the year 2014**

| S.No. | Name of the Faculty     | Designation         | Department               |
|-------|-------------------------|---------------------|--------------------------|
| 1.    | Dr V.S.R.Anjaneyulu     | Professor           | Anaesthesiology          |
| 2.    | Dr J.Vasudeva Reddy     | Professor           | Anatomy                  |
| 3.    | Dr P.Subhash            | Professor           | Otorhinolaryngology      |
| 4.    | Dr P.V.Rama Subba Reddy | Professor           | General Surgery          |
| 5.    | Dr Satya Rao            | Professor           | Neurology                |
| 6.    | Dr A.Arumugam           | Professor           | Paediatrics              |
| 7.    | Dr T.Asha               | Professor           | Pathology                |
| 8.    | Dr B.Santhamma          | Professor           | Pharmacology             |
| 9.    | Dr G.Parvathi           | Professor           | Physiology               |
| 10.   | Dr N.Khadervalli        | Associate Professor | Community Medicine       |
| 11.   | Dr N.Subba Rao          | Associate Professor | Medical Oncology         |
| 12.   | Dr Meenakshi Jain       | Associate Professor | Obstetrics & Gynaecology |
| 13.   | Dr K.R.Subhash          | Associate Professor | Pharmacology             |
| 14.   | Dr N.Sharvani           | Associate Professor | Physiology               |
| 15.   | Dr C.Sreekanth          | Assistant Professor | Anatomy                  |
| 16.   | Dr M.Venkataramulu      | Assistant Professor | Anatomy                  |
| 17.   | Dr V.S.Kiranmayi        | Assistant Professor | Biochemistry             |
| 18.   | Dr C.Siva Sankara       | Assistant Professor | Cardiology               |
| 19.   | Dr A.Vidya Sagar        | Assistant Professor | Cardiology               |
| 20.   | Dr M.Boochi Babu        | Assistant Professor | Cardiology               |
| 21.   | Dr K.P.Ranganayakulu    | Assistant Professor | Cardiology               |
| 22.   | Dr D.S.Sujith Kumar     | Assistant Professor | Community Medicine       |
| 23.   | Dr Lalith Meesala       | Assistant Professor | Community Medicine       |
| 24.   | Dr P.Vanipriya          | Assistant Professor | Dental Surgery           |
| 25.   | Dr A.Surekha            | Assistant Professor | Dermatology              |
| 26.   | Dr A.Sailaja            | Assistant Professor | Endocrinology            |
| 27.   | Dr M.Arun               | Assistant Professor | Endocrinology            |
| 28.   | Dr S.B.Amarnath         | Assistant Professor | Otorhinolaryngology      |

|     |                           |                        |                           |
|-----|---------------------------|------------------------|---------------------------|
| 29. | Dr K.Jyothi Prasad        | Assistant Professor    | Forensic Medicine         |
| 30. | Dr G.S.R.Hareesh          | Assistant Professor    | General Surgery           |
| 31. | Dr S.Venkat Reddy         | Assistant Professor    | Medical Gastroenterology  |
| 32. | Dr V.Venkata Sampath      | Assistant Professor    | Medical Oncology          |
| 33. | Dr K.Sudheer Reddy        | Assistant Professor    | Medical Oncology          |
| 34. | Dr B.Varalakshmi Devi     | Assistant Professor    | Nephrology                |
| 35. | Dr M.Sudhakar Rao         | Assistant Professor    | Neurology                 |
| 36. | Dr J.Varadaraja           | Assistant Professor    | Neurology                 |
| 37. | Dr A.Sanjeev Kumar        | Assistant Professor    | Neurosurgery              |
| 38. | Dr S.R.Sree Gouri         | Assistant Professor    | Obstetrics & Gynaecology  |
| 39. | Dr J.Malathi              | Assistant Professor    | Obstetrics & Gynaecology  |
| 40. | Dr K.Vijaya Chandra Reddy | Assistant Professor    | Pharmacology              |
| 41. | Dr D.Raziya               | Assistant Professor    | Physiology                |
| 42. | Dr B.Shivanandh           | Assistant Professor    | Psychiatry                |
| 43. | Dr Radhakrishna           | Assistant Professor    | Surgical Gastroenterology |
| 44. | Dr N.Raghuvamsi           | Assistant Professor    | Surgical Oncology         |
| 45. | Dr A.Ramesh               | Assistant Professor    | Surgical Oncology         |
| 46. | Dr G.N.Charitha           | Sr.Resident            | Anatomy                   |
| 47. | Dr N.Harini Devi          | Lecturer / Sr.Resident | Biochemistry              |
| 48. | Dr V.Ravindranath Tagore  | Sr.Resident            | Otorhinolaryngology       |
| 49. | Dr A.B.Naveen Kumar       | Sr.Resident            | General Surgery           |
| 50. | Dr N.Geetha Rani          | Sr.Resident            | Obstetrics & Gynaecology  |
| 51. | Dr K.Swathi               | Sr.Resident            | Ophthalmology             |
| 52. | Dr V.Sudarasana Varma     | Sr.Resident            | Paediatrics               |
| 53. | Mr.K.Thyagaraju           | Tutor                  | Anatomy                   |
| 54. | Dr N.Manikanta Reddy      | Tutor                  | Anatomy                   |
| 55. | Dr M.K.Lalitha Kumari     | Tutor                  | Anatomy                   |
| 56. | Mr.D.Kishore Naick        | Tutor                  | Anatomy                   |
| 57. | Mrs.K.Swathi              | Tutor                  | Physiology                |
| 58. | Ms.K.Pujitha              | Tutor                  | Physiology                |
| 59. | Ms.M.Hari Priya           | Tutor                  | Physiology                |

**Non-Faculty Regular Appointments 2014**

| S.No. | Name                  | Designation   | Department             |
|-------|-----------------------|---|------------------------|
| 1     | B. Deepa              | Laboratory Technologist Grade-II  | Microbiology           |
| 2     | S. Roopa Naik         |   | Endocrinology          |
| 3     | D Kumar               |   | Biochemisty            |
| 4     | P. Ramamurthy         |   | Microbiology           |
| 5     | C. S. Yagalahta       |   | Pathology              |
| 6     | G. Jayalalitha        |   |                        |
| 7     | C. Sailaja            |   |                        |
| 8     | J. Ananda Reddy       |   | Biochemisty            |
|       |                       | Pathology   |                        |
| 9     | K. Sridevi            | Laboratory Technologist Grade-II (Blood Bank)                           | Trasfusion Medicine    |
| 10    | Y. Varalakshmi        |   |                        |
| 11    | K. Shoba Rani         |   |                        |
| 12    | B. Geetha             |   |                        |
| 13    | N. Lokesh Babu        | Cath Lab Technician/<br>Cardiovascular Technologist Grade-II (Invasive) | Cardiology             |
| 14    | K. Parvathi           | ECG Technician Grade-III  |                        |
| 15    | C. Venkataramana      |   |                        |
| 16    | B. Reddi Radhika      |   |                        |
| 17    | S. Radha Kumari       | Lab Assistant Grade-III   | Medicine               |
| 18    | K. Lakshminarayana    | Anaesthesia Technologist Grade- II                                      | Anaesthesia            |
| 19    | A. Latha              |   |                        |
| 20    | M. Chenna Rao         |   |                        |
| 21    | Y. Suresh Kumar Reddy | Radiographer Grade-II   | Radiology              |
| 22    | K. Sridevi            |   |                        |
| 23    | I. Narendra Kumar     |   |                        |
| 24    | L. Thanuja            |   |                        |
| 25    | T. Anusha             | Dark Room Assistant   |                        |
| 26    | G. Pavani             | Biomedical technician/<br>Instrument Mechanic Grade-II                  | Biomedical Engineering |
| 27    | B. Komala             | Neurophysiology Technologist Grade-II/EEG Technologist Grade-II         | Neurology              |
| 28    | G. Satish             | Dialysis Technologist Grade-II  | Nephrology             |
| 29    | V. Jayaramaiah        | Driver  | General Manager (o)    |
| 30    | G. Satish Kumar       |   |                        |
| 31    | P. Rajaesh Babu       |   |                        |
| 32    | B. Chandra Babu       |   |                        |
| 33    | A. Sailaja            | Radio pharmacist  | Nuclear Medicine       |
| 34    | K. Sasikala           | Radiation Oncology Technologist   | Radiotherapy           |
| 35    | A. Sreenivasa Raghava | Lecturer in Radiological Physics/<br>Radiological Physicist             |                        |
| 36    | S. Bala Raju          |   |                        |
| 37    | M. Sangeetha          |   |                        |
| 38    | J. Anitha Kumari      |   |                        |

## Performance Management System

Performance Management 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 feed back. The probation of the employees are 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 include 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. The following are the recipients of the meritorious certificates.

### Promotions

A 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. A promotion is a form of recognition for employees who make significant and effective work contribution and raises the status of the employee.

The following staff have been promoted in the year 2014.

### Paramedical Staff

| S.No. | Name of the Staff | Promoted as | Department |
|-------|-------------------|-------------|------------|
| 01    | U.Mohan           | CVT Gr.I    | Cardiology |
| 02    | Y.Pushpalatha     | „           |            |
| 03    | M.Radhika         | „           |            |
| 04    | D.K.Ushasree      | „           |            |

### Non-Paramedical Staff

| S.No. | Name of the Staff | Promoted as    | Department           |
|-------|-------------------|----------------|----------------------|
| 01    | M.L.Govindarajulu | Superintendent | Billing section      |
| 02    | K.Bhupal          | „              | Arogyasri department |
| 03    | V.Lokeswara Reddy | „              | College of Nursing   |
| 04    | P.Nagaprasuna     | „              | Accounts section     |

## Employee Welfare Measures

- i) Sanctioned “Punya kshetra bhara bruthi” @ Rs.500/- per month to the retired non-faculty employees.
- ii) The age of Superannuation is enhanced from 58 to 60 years at par with TTD.



## 5.0 New initiatives

1. Free Bus service facility was introduced for transportation of patients and their attendants w.e.f 23.01.2014. This facility is available during OPD timings from 7:00 a.m-1:00 p.m. to pick up and drop them from Mahathi auditorium to the hospital.



2. On the occasion of Vaikunta Ekadasi during 10-13, January, 2014 at Tirumala, a free medical camp was initiated by deputing the medical team.
3. On the occasion of completion of 15 years of services by Friends of SVIMS Society and Indian Epilepsy association, free meal programme was started to all the epilepsy patients attending for OPD services in SVIMS w.e.f 16.02.2014 on all Sundays



4. Tirumala Tirupati Devasthanams introduced Annadanam scheme w.e.f 16.10.2014 to provide free meal to all the patients and their attendants (lunch and dinner).



5. The Hon'ble Prime Minister launched Swachh Bharat program, India's biggest ever cleanliness drive by encouraging wide participation of employees and school and college students of India in this event. This programme was inaugurated by the Hon'ble Minister for Health and Family Welfare in the premises on 01.11.2014. It was decided to conduct programs on every Saturday for improving sanitation, for creating awareness among the public on health, cleanliness etc.



6. Jeevandhara pharmacy run by Indian Red cross society was started w.e.f 09.11.- 2014 in order to supply the generic drugs @10 to 20% of the cost of the branded drugs available in the market.



7. **Online entrance exam for PG medical admissions:** For the first time in the states of Andhra Pradesh and Telangana the online entrance examination was conducted on 09.02.2014 for admissions to PG medical courses at four centers i.e. Tirupati, Vijayawada, Visakhapatnam and Hyderabad simultaneously. The Institute received an award for achieving excellence and raising the bar in maintaining the examination standards in Medical Education by World Education Summit 2014 held at New Delhi on 08.08.2014



## 6.0 Enhanced services at SVIMS

### 1. Improvement of OPD services

Four kendrams (Help Desks) were started at various OPD areas for guiding the patients and streamlining the patient flow for consultation. Additionally four request and billing counters were started for quick generation of investigative requests and for generation of bills.

### 2. Improvement of NTR Vaidya Seva Scheme

In order to meet to increase in the workload of patients and for modernization under NTR Vaidya Seva Scheme, the existing work stations were enhanced from 4 to 10.

### 3. Establishment of Employees Health Scheme (EHS)

Separate cell was established in the OPD

block to cater to the needs of employees and their dependents to avail hospital services under employees health scheme of Govt. of A.P.

### 4. Organ transplantation registration:

The authorization committee of Jeevandan (Cadaver transplantation), Govt. of A.P. inspected the Institute on 20.07.2014 and granted permission to carry out Cadaveric organ transplantation under Jeevandhan scheme for a period of 5 years i.e 2014-2019.

### 5. Renewal of recognition as SIRO by DSIR, Govt. of A.P:

The department of scientific and industrial research (DSIR), Govt. of India accorded renewal of recognition to the Institute as Scientific and Industrial Research Organization (SIRO) for the period 01.04.2014 to 31.03.2017.

### 6. Upgradation of Virology:

The ICMR, Govt. of India approved for establishing VDL (Medical college level) in the Institute with sanction of 1.5 crores under Dr Usha Kalawat, Assoc. Prof., Dept. of Microbiology.

### 7. Expansion of Medical gases room:

The existing medical gas room was further extended with additional constructed area of 1000 sqft, to decongest the facilities like aircompressor with vacuum tank with 1000 Lts capacity (3 nos) and other fixtures to avoid the risk of fire and injury. In the extended building N<sub>2</sub>O manifold, O<sub>2</sub> manifold alarm system, stock maintenance of B-type, N<sub>2</sub>O, CO<sub>2</sub>, O<sub>2</sub> bulk cylinders will be made.



## **7.0 Recognition for SVIMS contribution**

### **7.1 Awards**

1. Dr B. Vengamma, Senior Professor, Dept. of Neurology and Director-cum-VC was awarded the following:

- a. "World Education Award 2014" for technology in Testing and Assessments in Higher Educational Institutions awarded by 4<sup>th</sup> digital Learning World Education Summit 2014 at New Delhi.
- b. "Best Performing Government Hospital under Dr NTR Aarogya Seva Programme" by Government of Andhra Pradesh by the Chief Minister of Andhra Pradesh at Ravindrabharathi Auditorium Hyderabad on 30<sup>th</sup> October 2014.

c. "Bharathamuni Kalarathna Award of 2014" in the medical field for recognition of service to humanity by Bharathamuni Arts Academy at Madanapalli on 21<sup>st</sup> November 2014.

2. Dr Abha Chandra, Professor and Head, Department of Cardiothoracic Surgery was awarded the "Godrej Karai Oration" by the Indian Association of Cardiovascular and Thoracic Surgeons which was delivered at the 61<sup>st</sup> Annual Conference of Indian Association of Cardiovascular and Thoracic Surgeons at Hyderabad during 19-22 February 2015.

3. Dr D. Rajasekhar, Professor & Head, Department of Cardiology was awarded the following

- a. "Prestigious fellowship" of FSCAI by the Society of Coronary Angiography and Interventions (SCAI), USA.
- b. Won the Second Prize for "Real world experience of primary PCI in 1000 STEMI patients in Indian scenario at tertiary care centre" in the award session for free papers in the 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014)

held at Tirupati during 19-21 September 2014.

4. Dr K.Madhavi, Professor and Principal i/c, College of Physiotherapy, was awarded "Achievement Award" by Physiocon – 2014. National Level Conference held at Swatantra Institute of Physiotherapy & Rehabilitation, Rajahmundry, A.P during 7-8 March 2014.

5. Dr P. Sudha Rani, Professor, Principal i/c, College of Nursing awarded "Meritorious Education Excellence Award" by Global society for Health & Educational Growth, Delhi on July 2014.

6. Dr V. Venkatarami Reddy, Department of Surgical Gastroenterology was awarded for the following

- a. Won the Best Poster Award at IHPBA India 2014, Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association, National conference held at Mumbai in January 2014.
- b. "Fellowship of Indian Association of Gastroenterologists (FIAGES)" during IAGES 2014 held at Chennai in February 2014.

7. Dr K. Radha Krishna, Department of Surgical Gastroenterology was awarded Travel Bursary for Master Class in Liver Diseases held during 31<sup>st</sup> January - 2<sup>nd</sup> February 2014.

8. Dr V A Kiran Kumar, Department of Neuro surgery received 1<sup>st</sup> prize for poster presentation on "Primary spinal primitive Neuroectodermal tumors – a series of 5 cases" in 21<sup>st</sup> annual conference of the APNSA, "APNEUROCON 2014" at Tirupati during 21-22 June 2014.

9. Dr Rashmi Patnayak, Department of Pathology, won the 3<sup>rd</sup> Prize in "Ganne Subbala-kshmi Endowment Award for Young Scientist" in the 32<sup>nd</sup> IAPMAP State Chapter conference 2014

at Mahabubnagar during 12 - 14 September 2014 for presenting paper on "Utility of Immuno histochemistry in demonstrating Helicobacter pylori".

10. Dr M. Arun, Senior Resident Postgraduate student in DM (Endocrinology) was adjudged runner-up in "Dr Subhashini and Dr Kamalakara Reddy Endowment Endocrinology Quiz" on 10<sup>th</sup> February 2014.

11. Dr M. Arun, Senior Resident Post graduate student in DM (Endocrinology) was awarded First prize in quiz conducted at BDA Update on Diabetes at Tirupati on 24<sup>th</sup> August 2014.

12. Dr P. Shalini, Senior Resident Post graduate in DM (Endocrinology) was awarded "Second prize" in quiz conducted at BDA Update on Diabetes at Tirupati on 24<sup>th</sup> August 2014.

13. Dr A. Vamsidhar, Senior Resident Postgraduate in DM (Cardiology) won Third Prize for "Incremental prognostic value of NT pro BNP levels in acute pulmonary embolism" in the award session for free papers in the 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) held at Tirupati during 19-21 September 2014.

14. Dr K. Naresh, Senior Resident Post graduate in DM (Cardiology) won the Best Poster award for "Predictive value of D-Dimer levels and tissue Doppler mitral annular systolic velocity for detection of Left atrial appendage thrombus in patients with mitral stenosis in sinus rhythm" in 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) held at Tirupati during 19-21 September 2014.

15. Dr M. Brahmeswara Rao, Senior Resident Postgraduate in MCh (Surgical Gastroenterology) was awarded Travel Bursary and won Best Poster Award at 24<sup>th</sup> National conference of IASG (IASGCON 2014) held at Ahmedabad during 3-5 October 2014.

16. Dr P. Satish Babu, Senior Resident Postgraduate in MCh (Urology) received best free paper award at APSOGUS-2014, Kakinada during 12-14 November 2014 on "The effects of TURP on morbidity and mortality in patients with non-dialysis requiring renal insufficiency".

17. Dr Khaja Naseeruddin, Junior Resident Postgraduate in MD (Radio-diagnosis) was awarded 2<sup>nd</sup> prize in poster presentation on "Role of Computed Tomography in Evaluation and Prediction of Outcome in Traumatic Brain Injury" at A.P. Neurocon 2014, Tirupati during 21-22 January 2014.

18. Dr N. Sowgandhi, Junior Resident Postgraduate in MD (Medicine) won the Best Paper Award for the paper titled "Study of aetiologic overlap between rheumatoid arthritis and PAPA syndrome" at the 69<sup>th</sup> Annual Conference of the Association of Physicians of India (APICON 2014) held at Ludhiana during 20-23 February 2014.

19. Dr Sameera K, Junior Resident Postgraduate in MD (Pathology) got 1<sup>st</sup> Prize in Poster in Allied Specialty in "AP NEUROCON -2014" at SVIMS on 22<sup>nd</sup> June 2014.

20. Dr S.V.R. Raja Sekhar, Junior Resident Postgraduate in MD (Pathology) was awarded "Professor Rajendra Prasad Award" best paper in Neuro-allied Specialities in 21<sup>st</sup> annual conference of the Andhra Pradesh Neuroscientists Association (APNEUROCON) 2014 at SVIMS during 21-22 June 2014.

21. Dr P. Sumanth Reddy, Junior Resident Postgraduate in MD (Medicine) won the First Prize (Cash Prize of `5000/-) for the paper titled "A study of 116 patients requiring mechanical ventilation in medical intensive care unit (MICU)" in the Free Paper (Platform) session at the Free paper Award Session in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association



of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.

22. Dr Sai Neelima Challa, Junior Resident Postgraduate in MD (Medicine) won the Second Prize (Cash Prize of `1000/-) for the paper titled "A study of 134 patients with acute exacerbation of chronic obstructive pulmonary disease" in the Free Paper (Poster session) in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.

23. Dr P. Suneetha, Junior Resident Post graduate in MD (Medicine) won the Consolation Prize ((Cash Prize of ` 1000/-) for the paper on "Comparision of DAS28, CDAI , HAQ-DI and RAPID3 as tools to assess disease activity in patients with rheumatoid arthritis" in the Free Paper (Platform) session in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.

24. Dr K. Sameera, Junior Resident Post graduate in MD (Pathology) got 1<sup>st</sup> Prize in "Quiz" in CME on Central Nervous System infections, Organised by Department of Pathology 2014 at SVIMS, Tirupati on 26<sup>th</sup> October 2014.

25. Dr S.M. Nayyara Banu, Junior Resident Postgraduate in MD (Anaesthesiology) won First Prize and Second Prize respectively in BAPU - 2014 a National Conference & CME held at SVIMS, Tirupati during 7-8 November 2014.

26. Dr T. Rajasekhar, Junior Resident Post graduate in MD (Anaesthesiology) won Second Prize respectively in BAPU - 2014 a National Conference & CME held at SVIMS, Tirupati during 7-8 November 2014.

27. Hema K, Research Scholar (DST-INSPIRE-

JRF) received Best paper award (3<sup>rd</sup> prize) under young scientist category for paper presentation on "Discovery of potent inhibitors against the pathogen Chlamydia pneumonia" at National conference on Emerging Themes on Microbial Technology at SPMVV University, Tirupati during 22-24 January 2014.

28. Pradeep N, Research Scholar (ICMR-SRF) received best paper award for paper presentation on "E-Pharmacophore based virtual screening to identify lead molecules for GSK-3 $\beta$  induced Alzheimer's disease" at National Seminar on Bioinformatics-2014 at SVIMS, Tirupati during 14 - 15 February 2014.

29. K. Kiran Kumari, Research Scholar in Biotechnology won the best poster award for poster presentation for the paper titled "Manganese induced in cholinergic system and energy metabolism in specific regions of Rat brain: Reversal effect of Vitamin E" at the National Seminar on Bioinformatics, 2014 held at SVIMS, Tirupati during 14 - 15 February 2014.

30. Priyadarshini V, Research Scholar (ICMR-RA) received Best poster award under young scientist category for poster presentation on "Molecular modeling, docking and dynamic studies to identify potent inhibitors for pathogens causing infective endocarditis" in the National Seminar on Present Status and Future Prospects of Modern Biotechnology and Their Applications (PSFPMBA.2014) held at Dravidian University, Kuppam during 27- 29 March 2014.

31. Sandeep Swargam, Research Scholar (ICMR-SRF) received Best poster award for poster presentation on "Exploration of Potential EGFR inhibitors: A combination of energy based pharmacophore modeling, molecular docking analysis at National Seminar on Trends in Biochemistry-2014 at Acharya Nagarjuna University Guntur during 17 - 18 October 2014.

32. Munikumar M, Research Scholar (ICMR-SRF) received best poster award for poster presentation on "Identification of potent inhibitors for RuvA through different docking strategies" at National Seminar on Bioinformatics-2014 at SVIMS, Tirupati during 14 – 15 November 2014.

## 7.2 Orations delivered

1. Dr B. Vengamma, Senior Professor, Department of Neurology delivered

a. "Dr C. Sambasiva Rao Memorial Endowment Lecture" at Indian Medical Association (IMA), Guntur on "Clinical characteristics, biomarkers and predictors of outcome in stroke: SVIMS experience" on 23<sup>rd</sup> February 2014.

b. RSSDI 2005 ORATION' at 'Dicennial Conclave' of 10<sup>th</sup> Annual Conference of Karnataka Research Society for the Study of Diabetes in India (KRSSDI), Mangalore 2014 on "Diabetic Neuropathy: Clinical Spectrum, Diagnostic Delay-SVIMS Experience" at Father Muller Medical College, Mangalore during 6-7 September 2014.

2. Dr P.V.L.N. Srinivasa Rao, Professor and Head, Department of Biochemistry delivered on "Dr R.C. Sita Devi Oration" on the topic "Evolution of clinical chemistry laboratory" at 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India, AMBICON 2014, Tirupati on 14<sup>th</sup> November 2014.

## 7.3 Honors and key assignments

1. Dr B. Vengamma, Senior Professor, Department of Neurology was awarded "Best Performing Government Hospital under Dr NTR Aarogya Seva Programme" by Government of Andhra Pradesh by the Hon'ble Chief Minister of Andhra Pradesh at Hyderabad on 30<sup>th</sup> October 2014.



2. Dr B. Vengamma, Senior Professor, Department of Neurology was awarded "Bharathamuni Kalarathna Award of 2014" in the medical field for recognition of service to humanity by Bharathamuni Arts Academy at Madanapalli on 21<sup>st</sup> November 2014.



3. Dr K.Madhavi, Principal i/c, College of Physiotherapy received fellowship during the annual conference of Indian Association of Physiotherapists on 22<sup>nd</sup> February 2014.



4. Dr B.Vengamma, Director-cum-VC awarded the National Fellowship by National Academy of Medical Sciences (NAMS) for her outstanding contribution in the field of Neurology, at 54<sup>th</sup> Convocation of All India Institute of Medical Sciences, Rishikesh on 18<sup>th</sup> October 2014.



6. Certificate of Appreciation to Blood bank, SVIMS for support and services in the field of HIV/ AIDS during 2013-2014 in Chittoor District on the occasion of World AIDS day from Andhra Pradesh State AIDS Control Society (APSACS), Hyderabad on 1<sup>st</sup> December 2014.

5. Dr P. Siva Shankar, Chief Medical Officer, SVIMS received the "Vaidya Ratna Puraskar" organised by Tirupati Friends Organization (TIFO) at Mahati Auditorium, SVIMS on 23<sup>rd</sup> March 2014.

#### **7.4 Award of meritorious certificates to the employees of SVIMS**

On the eve of 65<sup>th</sup> Republic Day celebrations held on 26.01.2014, the following employees are awarded with meritorious certificates.

| S. No | Name of the Employee   | Designa-tion                      | Department                     |
|-------|------------------------|-----------------------------------|--------------------------------|
| 1     | C. Reddy Vasantha      | Head Nurse                        | Urology - Recovery             |
| 2     | S. Santhana Lakshmi    | Senior Assistant                  | Billing Section                |
| 3     | U.S. Lakshmi Kameswari | Pharmacist Gr.I                   | Stores                         |
| 4     | D.S. Prema Kumari      | Staff Nurse                       | CT Surgery - Post Op           |
| 5     | K. Stella Mary         | ANM                               | Casualty                       |
| 6     | K. Rukminamma          | Staff Nurse                       | Cardiology -ICCU               |
| 7     | M. Sujatha             | Staff Nurse                       | CT Post Operative Ward         |
| 8     | T. Rama Devi           | Staff Nurse                       | Neuro Surgery Recovery         |
| 9     | S. Lakshmi Narayana    | Lab Technician Gr.I               | Biochemistry                   |
| 10    | K.M. Thulasiram        | A.C. Plant-cum-Generator Operator | Engeering Section (Electrical) |



## 8.0 Visitors to SVIMS

1. Dr Ganesh Yadlapalli, Associate Professor, University of Cincinnati Medical School, Cincinnati, Ohio, USA visited the Institute and delivered lecture on Importance of Serum Potassium levels in Blood on 07.02.2014.
2. Dr Kavitha Narayan from Public Health Foundation of India visited the Institute on 18.01.2014 to assess the infrastructure facilities of the institute for starting Regional Institute of Paramedical Sciences (RIPS) under Govt. of India.



*Dr Kavitha Narayan from public Health Foundation of India visited the Institute on 18.01.2014*

3. Sri. A.N.Roy, Advisor to the Governor of Andhra Pradesh visited the institute on 29.05.2014 to understand the patient welfare schemes and services.



4. The Hon'ble Minister for Health and Family Welfare Dr Kamineni Srinivas, visited SVIMS on 13.06.2014 and inaugurated MRI Scanner procured under PMSSY scheme at a cost of Rs.8.3 Crores.



5. The Hon'ble Minister for Medical Education and Family Welfare Dr Kamineni Srinivas, visited the Institute on 20.07.2014 and inaugurated CT Simulator. The Principal Secretary to Govt., Dept. of Health Medical and Family welfare was also present on the occasion.





6. The Hon'ble Minister for Environment & Forests, Science & Technology, Cooperation, Govt. of A.P. Sri B. Gopala Krishna Reddy attended as a Chief Guest on the occasion of World Physiotherapy day on 08.09.2014.



7. The Hon'ble Minister for Health and Medical Education Dr Kamineni Srinivas is seen inaugurating Pentahead Microscope and Flow Cytometer in the Dept. of Pathology , SVIMS on 19.09.2014.



8. Sri C.A. Dhananjaya Reddy, IAS, CEO, Arogyasri Trust visited SVIMS on 21.09.2014 and expressed satisfaction over the services rendered at SVIMS. Dr Kakarla Subba Rao, Former Director, NIMS, Hyderabad and Health Advisor to Govt. A.P visited the institute on 23<sup>rd</sup> December 2014.



9. Dr Kakarla Subba Rao, Former Director, NIMS, Hyderabad and Health Advisor to Govt. A.P visited the institute on 23<sup>rd</sup> December 2014.



## 9.0 Activities at SVIMS

### 9.1 Convocation

The 5<sup>th</sup> Convocation of the Institute was held on 13<sup>th</sup> October 2014 at Mahati Auditorium, Tirupati. Dr M.S.Valiathan, National Research Professor, School of Life Sciences, Manipal University, Manipal delivered the convocation address. Sri. M.G. Gopal, Executive officer, TTD, Dr T. Ravi raju, Dr NTR University of Health Sciences, Vijayawada & Prof. W.Rajendra, Vice chancellor, S.V. Univeristy, shared the dias.





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



The Dignitaries are seen participating in lighting the lamp ceremony



The inauguration of 5<sup>th</sup> convocation. Seen from left to right are Dr B.C.M.Prasad, Dean, SVIMS, Dr T.Raviraju, Vice Chancellor, Dr NTRUHS, Dr B.Vengamma, Director-cum-VC, Dr M.S.Valiathan, National Research Professor, School of Life Sciences, Manipal Univrsity, Sri. M.G. Gopal, Executive officer, TTD, Prof. W.Rajendra, Vice chancellor, S.V. University, Dr V.S.R. Anjaneyulu, Registrar, SVIMS



Prof. M.S.Valiathan addressing the gathering

## 9.2 Institute day celebrations

The 21<sup>st</sup> Anniversary and Unifest celebrations of SVIMS were held on 26.02.2014. Dr Prahlad Kumar, Director of National Tuberculosis Institute and Director General of Health Sciences, Govt. of India was invited as the Chief guest. Sri. K.S.Srinivasa raj, J.E.O, TTD and Sri. M. Venkataramana Hon'ble MLA of Tirupati attended the Celebrations.

The Staff members and their children who participated and excelled in various sports and cultural activities were awarded with trophies / mementos. The students and staff members participated in cultural events to mark the occasion.



Dr Prahlad Kumar is seen addressing the gathering







*Releasing of Annual report-2013 of the University*



*The students participated in cultural activities during the occasion*



*During the Anniversary the students of College of Physiotherapy are receiving winner champion trophy for women cricket.*



*During the Anniversary the students of College of Nursing are receiving the Overall Championship Trophy*

### 9.3 Orations

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 for the year 2014.

1. The 7<sup>th</sup> Annual Balaji Gold Medal Nephrology Chair oration was delivered by Dr Vivekanand Jha, Prof. of Medicine, University of Oxford, Executive Director, George Centre for Global Health, India on 31<sup>st</sup> January 2014 on the topic "Stem cell therapies: hope & hype". The chair was organized by the Dept. of Nephrology.



*Dr Vivekanand Jha was felicitated on the occasion*

2. The 2<sup>nd</sup> Annual Cherukuri Narasimham and Subhadra Devi Neurosurgery Chair Oration was held on 8<sup>th</sup> March 2014. Dr K.V.R. Sastry, Professor & Head, Dept. of Neurosurgery, NIMHANS, Bangalore delivered the oration titled "Head injury mechanism - impact outcome". The oration was organized by the Dept. of Neurosurgery.



*Dr K.V.R. Sastry was felicitated on the occasion*



3. The 4<sup>th</sup> Dr Y. Subhashini & Dr Kamalakhar Reddy Endowment Oration was delivered by Dr M.S. Seshadri, Former Professor & Head, Dept. of Endocrinology, Diabetes and Metabolism, Christian Medical College and Hospital, Vellore on 10<sup>th</sup> March 2014 on the topic "From bedside to research in endocrine practice". The oration was organized by the Dept. of Endocrinology.



*Dr M.S. Seshadri was felicitated on the occasion*

4. The 7<sup>th</sup> Annual Prof. Nalagatla Balakrishna Reddy Endowment oration was delivered by Dr Amit Gupta, Prof. of Nephrology, SGPGI, Lucknow on 27<sup>th</sup> March 2014 on the topic 'Prevention of acute kidney injury'. The oration was organized by the Dept. of Nephrology.



*Dr Amit Gupta was felicitated on the occasion*

5. The 7<sup>th</sup> Cardiology Chair Gold Medal Oration was delivered by Dr Jaganmohan A Tharakan, Prof. of Cardiology & Director, Sree Chitra Tirunal Institute of Medical Sciences & Technology, Trivandrum on 13<sup>th</sup> December 2014 on the topic "Cardiac electrophysiology- past, present & future". The oration was organized by the Dept. of Cardiology.



*Dr Jaganmohan A Tharakan was felicitated on the occasion*

6. The 5<sup>th</sup> Indian Epilepsy Association (IEA), Tirupati Oration in Epileptology was delivered by Dr Pravina U. Shah, Sr. Consulting Neurologist, Mumbai on 26<sup>th</sup> December 2014 on the topic "Holistic management of epilepsy". The oration was organized by the Dept. of Neurology.



*Dr Pravina U. Shah was felicitated on the occasion*

## Orations instituted

An oration was instituted by Dr B. Naganna, Prof. of Biochemistry (Retd), Osmania Medical College, Hyderabad with donation of Rs. 3,45,472/- for conduct of bi-annual oration in the specialty of Biochemistry.



#### 9.4 Guest lectures & Seminars organized

| S.No. | Date                          | Topic   | Speaker  | Department               |
|-------|-------------------------------|---|--|--------------------------|
| 01.   | 08.01.2014<br>&<br>09.01.2014 | Transcatheter aortic value replacement (TAVR)   | Dr Asokan,<br>Asst. Professor<br>Dept. of Radiology<br>Christ Hospital<br>U.S.A  | Radiology                |
|       |                               | Abdominal aortic aneurysm diagnosis & guidelines in management  |  |                          |
|       |                               | Acute pelvic pain   |  |                          |
| 02.   | 06.02.2014                    | Potassium homeostasis in health and disease   | Dr Ganesh Yadlapalli,<br>Associate Professor,<br>University of Cincinnati Medical School,<br>Cincinnati, Ohio, USA                         | Medicine                 |
| 03.   | 14-<br>15.02.2014             | 5 <sup>th</sup> National seminar on Bioinformatics  | Bioinformatics Centre,<br>SVIMS, Tirupati  | Bioinformatics           |
| 04.   | 17.02.2014                    | Facing the challenges in life – through the Bhagavad Gita Way   | Sri Satya Gaura Prabhu,<br>President of Krishna Movement – Hyderabad   | College of Physiotherapy |
| 05.   | 24.02.2014                    | Uncovering RNA virus-host cell interfaces using genetic screens in haploid human cells                        | Dr Kartik Chandran, Assoc. Professor of Microbiology and Immunology, Albert Einstein College of Medicine, of Yeshiva University – New York | Biotechnology            |
| 06.   | 24.02.2014                    | Molecular classification of breast cancer   | Dr Aruna prayaga, Prof. Head, Dept of. Pathology, NIMS, Hyderabad.   | Pathology                |
|       | 25.02.2014                    | Role of cytology in the management of lung carcinoma  |  |                          |
| 07.   | 09.03.2014                    | Towards excellence through work: felicitations to senior paramedics: Happiness & satisfaction work is worship | Dr K.S.Ratnakar, Director, Global Medical Education, Hyderabad.  |                          |
|       |                               | Interactive session change and transformation   | Dr KSS. Hariprasad Sarma, State In-Charge for Veda, SSSSO.   |                          |
|       |                               | Fulfillment   | Dr V. Siva kumar, Professor & Head Nephrology, SVIMS.  |                          |
|       |                               | Attitude perfection & excellence  | Sri Mallesh, Trainer, Alchemy Institute of Management, Hyderabad.  |                          |

|     |            |   |   |                          |
|-----|------------|---|---|--------------------------|
| 08. | 19.08.2014 | Kineosotaping technique for shoulder                              | Dr G. Asha Jyothi, Old student of SVIMS.  | College of Physiotherapy |
| 09. | 01.09.2014 | Art of self discovery   | Sri Bhaktha Vrinda dasa, Speaker, Sunny Vale, USA.  | College of Physiotherapy |
| 10. | 31.10.2014 | Clinical reasoning and decision making ability by physiotherapist | Dr Desikamani, Chief physiotherapist, K.M.C. Hospital, Chennai.   | College of Physiotherapy |
| 11. | 29.11.2014 | Why when and how of research                                      | Dr K.S.Ratnakar, Director, Global Medical Education, Hyderabad  | -                        |
| 12. | 23.12.2014 | Low dose CT screening (lung cancer): An update                    | Dr Sudhakar Naik P, Associate Professor of Radiology, University of Washington School of Medicine, Seattle, U.S.A | Medicine                 |
| 13. | 31.12.2014 | Personality development   | Sri Maharshi Sagar Personality Development Trainer  | College of Physiotherapy |



*Inauguration of 5<sup>th</sup> Seminar on Bioinformatics was held on 15.02.2014*



*Dr Karthik Chandran is felicitated on 24.02.2014 on delivering a lecture.*



*Dr K.S.Ratnakar, Director, Global Medical Education, Hyderabad is seen delivering the lecture on 09.03.2014.*



*Sri Bhaktha Vrinda Dasa is seen delivering a spiritual lecture on 01.09.2014*



*Dr. Asha Jyothi is seen delivering a lecture on 19.08.2014*



*An awareness programme was conducted for faculty and students on "Why, When and How of Research" by the Chief Guest Dr K.S. Ratnakar, Director, Global Medical Education, Hyderabad on 29.11.2014*



*Dr Sudhakar Naik Pipavath, is seen delivering a lecture on 23.12.2014*



*Personality development trainer Maharshi Sagar delivered a guest lecture on Personality development on 31.12.2014*



### 9.5 Academic programme calendar for the year 2015

The academic schedule proposed for the year 2015 for conduct of clinical meetings, CPC, CME, posters presentations, capsule on investigations, quiz programmes is as detailed below:

| [1] SATURDAY'S CLINICAL MEETING |  |  | [2] THURSDAY'S CLINICAL MEETING |   |   | [3] CLINICAL PATHOLOGICAL CORRELATION (CPC)/<br>CLINICO RADIOLOGICAL CORRELATION (CRC)  |                  |                  |
|---------------------------------|--|--|---------------------------------|---|---|---|------------------|------------------|
| Date                            | Research Presentation<br>8:00 to 8:45 am | Spotters Presentation<br>8:45 to 9:00 am | Date                            | Case / Topic<br>Presentation<br>3:00 to 3:45 pm | Capsule on an<br>Investigation<br>3:45 to 4:00 pm | Co-ordinators:<br>For Medical Cases : Dr R. Ram, Assoc. Prof. of Nephrology<br>For Surgical Cases: Dr K. Sudhakar Rao, Prof. of CTSurgery |                  |                  |
| ***                             | 13/06/15                                 | Neurology                                | Anaesthesiology                 | ***   | 30/04/15  | 08/10/15  | CT Surgery       | Urology          |
| ***                             | 20/06/15                                 | Neurosurgery                             | Biochemistry                    | ***   | 07/05/15  | 15/10/15  | Endocrinology    | IHBT             |
| ***                             | 04/07/15                                 | Nucl. Medicine                           | Cardiology                      | ***   | 14/05/15  | 29/10/15  | Emerg. Medicine  | Radiotherapy     |
| ***                             | 11/07/15                                 | Oncology (Med.)                          | CT Surgery                      | ***   | 21/05/15  | 05/11/15  | GE (Surgical)    | Radiotherapy     |
| ***                             | 18/07/15                                 | Oncology (Surg.)                         | Emerg. Medicine                 | ***   | 28/05/15  | 12/11/15  | General Surgery  | Oncology (Surg.) |
| 03/01/15                        | 01/08/15                                 | Pathology                                | Endocrinology                   | ***   | 04/06/15  | 19/11/15  | Hematology       | Oncology (Med.)  |
| 10/01/15                        | 08/08/15                                 | Radiotherapy                             | GE (Surgical)                   | ***   | 11/06/15  | 26/11/15  | Medicine         | Neurosurgery     |
| 17/01/15                        | 22/08/15                                 | Radiotherapy                             | General Surgery                 | ***   | 18/06/15  | 03/12/15  | Microbiology     | Pathology        |
| 24/01/15                        | 05/09/15                                 | IHBT                                     | Hematology                      | 22/01/15  | 25/06/15  | 10/12/15  | Neurology        | Anesthesiology   |
| 07/02/15                        | 12/09/15                                 | Urology                                  | Medicine                        | 29/01/15  | 02/07/15  | 17/12/15  | Nephrology       | Neurology        |
| 14/02/15                        | 19/09/15                                 | Anesthesiology                           | Microbiology                    | 05/02/15  | 09/07/15  | 24/12/15  | Neurosurgery     | Biochemistry     |
| 21/02/15                        | 03/10/15                                 | Biochemistry                             | Nephrology                      | 12/02/15  | 16/07/15  | 31/12/15  | Nucl. Medicine   | Cardiology       |
| 07/03/15                        | 10/10/15                                 | Cardiology                               | Neurology                       | 19/02/15  | 23/07/15  | ***   | Oncology (Med.)  | Nephrology       |
| 14/03/15                        | 17/10/15                                 | CT Surgery                               | Neurosurgery                    | 26/02/15  | 30/07/15  | ***   | Oncology (Surg.) | CT Surgery       |
| 04/04/15                        | 24/10/15                                 | General Surgery                          | Nucl. Medicine                  | 05/03/15  | 06/08/15  | ***   | Pathology        | General Surgery  |
| 11/04/15                        | 07/11/15                                 | GE (Surgical)                            | Oncology (Med.)                 | 12/03/15  | 13/08/15  | ***   | Radiotherapy     | GE (Surgical)    |
| 18/04/15                        | 14/11/15                                 | Emerg. Medicine                          | Oncology (Surg.)                | 19/03/15  | 20/08/15  | ***   | Radiotherapy     | Emerg. Medicine  |
| 02/05/15                        | 21/11/15                                 | Endocrinology                            | Pathology                       | 26/03/15  | 27/08/15  | ***   | IHBT             | Endocrinology    |
| 09/05/15                        | 05/12/15                                 | Hematology                               | Radiotherapy                    | 02/04/15  | 03/09/15  | ***   | Urology          | Medicine         |
| 16/05/15                        | 12/12/15                                 | Medicine                                 | Radiotherapy                    | 09/04/15  | 10/09/15  | ***   | Anesthesiology   | Microbiology     |
| 23/05/15                        | 19/12/15                                 | Microbiology                             | IHBT                            | 16/04/15  | 24/09/15  | ***   | Biochemistry     | Hematology       |
| 06/06/15                        | ***                                      | Nephrology                               | Urology                         | 23/04/15  | 01/10/15  | ***   | Cardiology       | Nucl. Medicine   |
|                                 |  |  |                                 |   |   | [4] CME's   |                  |                  |
|                                 |  |  |                                 |   |   | First Saturday between 02:00 & 04:00 PM   |                  |                  |
|                                 |  |  |                                 |   |   | 03/01/15 College of Nursing & College of Physiotherapy  |                  |                  |
|                                 |  |  |                                 |   |   | 07/02/15 Radiology & Nuclear Medicine   |                  |                  |
|                                 |  |  |                                 |   |   | 07/03/15 Cardiology & CT Surgery  |                  |                  |
|                                 |  |  |                                 |   |   | 04/04/15 Biochemistry & Endocrinology   |                  |                  |
|                                 |  |  |                                 |   |   | 02/05/15 Nephrology & Urology   |                  |                  |
|                                 |  |  |                                 |   |   | 06/06/15 GE Surgical & General Surgery  |                  |                  |
|                                 |  |  |                                 |   |   | 04/07/15 Neurology & Neurosurgery   |                  |                  |
|                                 |  |  |                                 |   |   | 01/08/15 Medicine & Haematology   |                  |                  |
|                                 |  |  |                                 |   |   | 05/09/15 Anesthesiology & Emergency Medicine  |                  |                  |
|                                 |  |  |                                 |   |   | 03/10/15 Pathology, Microbiology & Transfusion Medicine   |                  |                  |
|                                 |  |  |                                 |   |   | 07/11/15 Medical Oncology, Surg. Oncology & Radiotherapy  |                  |                  |
|                                 |  |  |                                 |   |   | 05/12/15 Bioinformatics & Biotechnology   |                  |                  |
|                                 |  |  |                                 |   |   | [5] QUIZ  |                  |                  |
|                                 |  |  |                                 |   |   | Annual Medical Quiz will be held every year in the month of February  |                  |                  |
|                                 |  |  |                                 |   |   | Organizers<br>Dr Alok Sachan, Dr Mutheswariah, Dr<br>Rehmi Patnayak under the<br>co-ordination of Dr A. Mohan                             |                  |                  |



## 9. 6 Academic committees

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

### i) Institutional Ethics Committee (IEC)

The IEC got recognized by the Drug Controller General, India (ref. no. ECR/434/SVIMS / Inst./AP/2013, dated: 19.11.2013).

The meetings of the IEC conducted for the year 2014 are as follows

| S.No.                    | IEC Date   | IEC proposal No.s assessed | Total | S. No | IEC Date   | IEC proposal No.s assessed | Total |
|--------------------------|------------|----------------------------|-------|-------|------------|----------------------------|-------|
| 01                       | 06.01.2014 | 348-353                    | 06    | 08    | 27.08.2014 | 408-410                    | 03    |
| 02                       | 10.02.2014 | 354-357                    | 04    | 09    | 28.08.2014 | 411-412                    | 02    |
| 03                       | 25.03.2014 | 358-376                    | 19    | 10    | 13.09.2014 | 413                        | 01    |
| 04                       | 12.05.2014 | 377-399                    | 23    | 11    | 20.09.2014 | 414                        | 01    |
| 05                       | 09.06.2014 | 400-404                    | 05    | 12    | 16.10.2014 | 415                        | 01    |
| 06                       | 14.07.2014 | 405                        | 01    | 13    | 27.10.2014 | 416                        | 01    |
| 07                       | 11.08.2014 | 406-407                    | 02    | 14    | 08.12.2014 | 417-421                    | 05    |
| Total proposals assessed |            |                            |       |       |            |                            | 74    |

The research proposals submitted to the Institutional Ethics Committee (IEC) for the year 2014 are as follows:

| IEC No | Title of the project   | Submitted by  |
|--------|--|---|
| 348    | Prevalence of Scrub typhus and comparison of three diagnostic modalities – Weil-Felix test, Enzyme linked immunosorbent Assay and nested PCR for detection in blood  | Dr Usha Kalawat<br>Assoc. Professor<br>Microbiology                     |
| 349    | Effects of Cigarette smoking on Immunity   | Dr Aparna Bhide<br>Asst. Professor<br>Physiology                        |
| 350    | Effect of fentanyl and dexmedetomidine on pain and discomfort associated with central venous catheter insertion  | Dr Aloka Samantaray<br>Addl. Professor<br>Anaesthesiology               |
| 351    | Hormone Receptor status (ER,PR), HER-2 and p53 in South Indian Breast Cancer patients – A tertiary care center experience  | Dr Rashmi Patnaik<br>Asst. Professor<br>Pathology                       |
| 352    | Study of the various B- lactamase mediated antimicrobial resistance mechanism in the genus Acinetobacter   | Dr B. Venkataramana<br>Asst. Professor<br>Microbiology                  |
| 65     | An open-label, multicenter, follow-up trial to evaluate the long-term safety and efficacy of brivaracetam used as adjunctive treatment at a flexible dose up to a maximum of 200 mg / per in subjects aged 16 years or older suffering from epilepsy – Site – specific ICF version 6.0 dated: 11.03.2014 | Dr B. Vengamma,<br>Investigator<br>Senior Professor & Head<br>Neurology |
| 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<br>Investigator<br>Professor & Head<br>Cardiology      |

|     |  |   |
|-----|--|---|
| 353 | Determination of Human papillomavirus (HPV) and identification of its genotypes among women with suspected cervical cancer and their male partners   | Mr M. Nagaraj<br>PhD Scholar<br>(Microbiology)  |
| 354 | Ischemia modified albumin with using cobalt chloride   | Mr M. Ramesh Babu<br>M Sc (Medical Biochemistry)  |
| 355 | Evaluation of Thyroid hormones in saliva   | Mr S. Naresh<br>M Sc (Medical Biochemistry)   |
| 356 | Study of ischemia modified albumin and adenosine deaminase levels in early stages of chronic kidney diseases   | Mrs B. Indumathi<br>M Sc (Biotechnology)  |
| 357 | Identification of mutations in sodium channel alpha subunit type 1 (SCN1A) gene in epileptic children of Rayalaseema region  | Dr C. Bhuvaneswari Devi<br>Asst. Professor<br>Biotechnology                                       |
| 358 | The effect of adding different doses of Magnesium sulphate to Levobupivacaine for Spinal Anaesthesia: A prospective randomized double blind study  | Dr S.M. Nayyara Banu<br>Postgraduate Junior<br>Resident in MD<br>(Anaesthesiology)                |
| 359 | Comparison of Granisetron, Ondansetron, Dexamethasone as a prophylaxis for post operative nausea and vomiting in adults undergoing elective laparoscopic surgeries – A prospective randomized double blind study | Dr K. Mohsin<br>Postgraduate Junior<br>Resident in MD<br>(Anaesthesiology)                        |
| 360 | Effect of sevoflurane with morphine or fentanyl on hemodynamic response to laryngoscopy and tracheal intubation- a prospective randomized double blind study   | Dr S.R.A. Naga<br>Bhushanam. Padala<br>Postgraduate Junior<br>Resident in MD<br>(Anaesthesiology) |
| 361 | Evaluation of 25 Gauge Quincke and Whitacre needles on technical problems and post dural puncture headache: A prospective observational study  | Dr K. Brinda<br>Postgraduate Junior<br>Resident in MD<br>( Anaesthesiology )                      |
| 362 | Study of Markers of oxidative stress and antioxidant status in contrast – induced acute kidney injury  | Dr M. Prasanth<br>Postgraduate Junior<br>Resident in MD<br>(Biochemistry)                         |
| 363 | An evaluation of non infectious adverse reactions following blood transfusion at a tertiary care teaching hospital i.e. SVIMS, Tirupati, Andhra Pradesh  | Dr Sindhuja KondaReddy<br>Postgraduate Junior<br>Resident in MD (IHBT )                           |
| 364 | A Study of prevalence of rheumatic musculoskeletal disorders in patients with diabetes mellitus  | Dr B. Raga Deepthi<br>Postgraduate Junior<br>Resident in MD (Medicine)                            |
| 365 | A study of burden of tuberculosis in patients with diabetes mellitus   | Dr P. Sumanth Reddy<br>Postgraduate Junior<br>Resident in MD (Medicine)                           |
| 366 | Aetiology, clinical features and predictors of outcome in patients with sepsis and related syndromes admitted to the medical intensive care unit (MICU): A prospective study                                     | Dr P.S.S. Sai Neelima Ch<br>Postgraduate Junior<br>Resident in MD (Medicine)                      |

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|-----|---|--|
| 367 | A prospective study of serum procalcitonin as a marker of infection in patients admitted with fever   | Dr D.P. Kalyana Chakravarthi<br>Postgraduate Junior Resident in MD (Medicine)      |
| 368 | Comparative study of conventional methods-(IgM Elisa and MAT) and molecular diagnostic method-LAMP (Loop-Mediated isothermal amplification)among suspected patients of Leptospirosis  | Dr Nibandhana HVND Guntupalli<br>Postgraduate Junior Resident in MD (Microbiology) |
| 369 | Immunocytochemical expression of p16 INK4A, HPV 16, Ki-67 in squamous intraepithelial lesions and cervical cancers  | Dr Y.C. Spoorthy Rekha<br>Postgraduate Junior Resident in MD (Pathology)           |
| 370 | Immunohistochemistry in differential diagnosis of Non small cell lung carcinoma on small lung biopsies  | Dr M. Alekhya<br>Postgraduate Junior Resident in MD (Pathology)                    |
| 371 | A Dosimetric comparison of intensity modulated radiotherapy versus three dimensional conformal radiotherapy of chest wall in post mastectomy breast cancer patients   | Dr Jayasree Kuna<br>Postgraduate Junior Resident in MD (Radiotherapy)              |
| 372 | A prospective study of comparison of functional imaging (18F Flurorodeoxyglucose positron emission tomography - 18F FDG PET CT) versus anatomical imaging (contrast enhanced computed tomography – CET) in dosimetric planning for non-small cell lung cancer (NSCLC) | Dr Archana Prathipati<br>Postgraduate Junior Resident in MD (Radiotherapy)         |
| 373 | Comparison between delayed post contrast flair imaging and post contrast T1W imaging in detecting leptomeningeal diseases   | Dr B.Surya Rekha<br>Postgraduate Junior Resident in DNB (Radio-diagnosis)          |
| 374 | Study protocol titled “Antibiotic resistance and pathogen profile in ventilator – associated pneumonia in a tertiary care hospital in India – A three year’s study”   | Dr Abhijit Chaudhury<br>Professor & Head, Microbiology                             |
| 375 | Project titled “Multiple docking strategies and pharmacophore design for amyloid pathway proteins”  | Mr Natarajan Pradeep<br>PhD Scholar<br>Bioinformatics                              |
| 376 | Project titled “In silico identification of potential drug targets and vaccine candidates against pathogens causing atherosclerosis”  | Ms Kanipakam Hema<br>PhD Scholar<br>Bioinformatics                                 |
| 378 | Correlation of epicardial adipose tissue thickness with carotid intima-media thickness and severity of coronary atherosclerosis by SYNTAX score   | Dr D. Kranthi Chaitanya<br>Postgraduate Senior Resident in DM (Cardiology)         |
| 379 | Correlation of plasma 25-Hydroxy-Vitamin D level with angiographic severity of coronary artery disease.   | Dr K M Venkateswarlu,<br>Postgraduate Senior Resident in DM (Cardiology)           |
| 380 | A study of efficacy and resistance of Thienopyridine antiplatelet drugs in Indian patients undergoing percutaneous  | Dr R. Madhavi,<br>Postgraduate Senior  |

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|-----|---|---|
|     | coronary intervention and to study genetic polymorphisms of ABCBI gene in patients found to have resistance to Clopidogrel.   | Resident in DM<br>(Cardiology)  |
| 381 | Relationship between hyperprolactinemia and adrenal hyperandrogenism in the polycystic ovary syndrome   | Dr P. Shalini<br>Postgraduate Senior<br>Resident in DM<br>(Endocrinology)         |
| 382 | Organ specific autoimmunity in type 1 diabetes mellitus   | Dr V. Ashok<br>Postgraduate Senior<br>Resident in DM<br>(Endocrinology)           |
| 383 | Risk factor profile for cancer associated venous thromboembolism & prediction of high risk patients to optimise thromboprophylaxis  | Dr R.G. Balambika<br>Postgraduate Senior<br>Resident in DM<br>( Medical Oncology) |
| 384 | Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnostic patients with carcinoma breast or carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy. | Dr Ananth Pai,<br>Postgraduate Senior<br>Resident in DM<br>(Medical Oncology)     |
| 385 | Outcome of decompressive hemicraniectomy in patients with malignant middle cerebral artery infarction   | Dr V.N.Madhava Rao<br>Postgraduate Senior<br>Resident in DM<br>(Neurology)        |
| 386 | A prospective, observational, study of blunt renal trauma   | Dr K. Venkat Reddy<br>Postgraduate Senior<br>Resident in MCh (Urology)            |
| 387 | Study of peri operative complications following radical cystectomy  | Dr J. Jayaraju<br>Postgraduate Senior<br>Resident in MCh (Urology)                |
| 388 | A study of role of CT guided percutaneous needle biopsy of renal masses in management   | Dr J. Lokesh Kumar<br>Postgraduate Senior<br>Resident in MCh (Urology)            |
| 389 | A Prospective study of incidence of bone metastases at various PSA levels in carcinoma Prostate   | Dr K.V. Bhargava Reddy<br>Postgraduate Senior<br>Resident in MCh (Urology)        |
| 390 | Early postoperative outcome based on the hemodynamic comparison between complete and partial preservation of mitral valve apparatus during mitral valve replacement   | Dr V. Naga Durga Prasad<br>Postgraduate Senior<br>Resident in MCh (CTVS)          |
| 391 | Differentiation of typical from atypical and malignant meningiomas  | Dr Khaja Naseeruddin<br>Postgraduate Jr. Resident<br>in MD Radio-Diagnosis        |
| 392 | Diagnostic Accuracy of MRI in staging uterine cervical carcinoma with histopathological correlation.  | Dr Chaitanya Deep<br>Postgraduate Jr. Resident                                    |



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|     |  | in MD Radio-Diagnosis  |
| 393 | MGMT methylation status and its efficacy in glioblastoma patients treated with temozolomide and radiotherapy   | Dr V. Bala Balaji<br>Postgraduate Senior Resident in MCh (Neurosurgery)              |
| 394 | Comparative study of various minimally invasive lumbar discectomy procedures and open discectomy based on clinical outcome, muscle injury markers and imaging changes                                  | Dr B.V. Ravi Kumar<br>Postgraduate Senior Resident in MCh (Neurosurgery)             |
| 395 | A prospective randomized study of early versus delayed temporary ileostomy closure after colorectal surgeries  | Dr A. Dinakar Reddy<br>Postgraduate Senior Resident in MCh (Surgical GE)             |
| 396 | Sleep in parkinsonism – A polysomnography based study  | Dr J. Dushyanth Babu<br>Postgraduate Senior Resident in DM (Neurology)               |
| 397 | Serial nerve conducting studies in the diagnosis of GBS and outcome  | Dr S.V. Naveen Prasad<br>Postgraduate Senior Resident in DM (Neurology)              |
| 398 | A study of relationship between osteopontin and cardiovascular risk factors and carotid intima-media thickness in chronic kidney disease (predialysis)   | Dr V.Chaitanya<br>Postgraduate Senior Resident in DM (Nephrology)                    |
| 399 | Changes in inflammatory and oxidative stress markers during a single hemodialysis session  | Dr B. Sangeetha Lakshmi<br>Postgraduate Senior Resident in DM (Nephrology)           |
| 400 | Effect of persistence of left ventricular Hypertrophy and left atrial dilatation after aortic valve replacement on early outcomes and survival: A Prospective study                                    | Dr P. Hari Krishna Murthy<br>Postgraduate Senior Resident in MCh (CT Surgery)        |
| 401 | A Prospective study of prevalence, pattern and risk factors of lymphnodal metastases in FIGO stage I and II epithelial carcinoma of the ovary  | Dr N. Ramana Reddy<br>Postgraduate Senior Resident in MCh (Surgical Oncology)        |
| 402 | A prospective study to assess the function of spinal accessory nerve and patency of internal jugular vein in “Nerve and vein sparing neck dissection” (MND Type II) for oral squamous cell carcinomas. | Dr G. Revanth Kumar Reddy<br>Postgraduate Senior Resident in MCh (Surgical Oncology) |
| 403 | Urinary enzymes as biomarkers of renal dysfunction in patients undergoing coronary interventions   | Dr Aparna R Bitla<br>Assoc. Professor Biochemistry                                   |
| 404 | Role of Hyponatraemia in the development of contrast Induced Nephropathy   | Dr Aparna R Bitla<br>Assoc. Professor Biochemistry                                   |
| 405 | Clinical and hemodynamic comparison of bileaflet mechanical prosthesis open pivot versus closed pivot in mitral position: a prospective study  | Dr Harivadan Lukka<br>Postgraduate Senior Resident in MCh (CT Surgery)               |
| 406 | Determination of Toxoplasmosis by serological and Molecular Methods: Impact of socioeconomic and Demographic Variable on Disease Prevalence  | Dr Usha Kalawat<br>Assoc. Professor Microbiology                                     |
| 407 | Genetic polymorphism of Cytochrome P450 and its association with endothelial dysfunction in patients with  | Mrs. Gopal Sowjenya<br>PhD Scholar   |

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|-----|--|---|
|     | coronary artery disease  | Cardiology  |
| 408 | Soft tissue neoplasms: Our experience from a tertiary care center  | Dr Amitabh Jena<br>Addl. Professor<br>Surgical Oncology                               |
| 409 | Are all solitary thyroid nodules malignant?  | Dr Amitabh Jena<br>Addl. Professor<br>Surgical Oncology                               |
| 410 | Utility of Immunohistochemistry in demonstrating Helicobacter Pylori   | Dr Rashmi Patnayak<br>Asst. Professor<br>Pathology                                    |
| 411 | Multiple Endocrine Neoplasia – MEN2A   | Dr Manilal<br>Asst. Professor<br>Microbiology   |
| 412 | Impact of Hand Hygiene compliance on Hospital Acquired Infections: A three years study                                   | Dr Usha Kalawat<br>Assoc. Professor<br>Microbiology                                   |
| 413 | A case of septic abortion posted for emergency laparotomy – A case report  | Dr N. Hemanth<br>Assoc. Professor<br>Anaesthesia                                      |
| 414 | Diagnostic significance of carbamylated hemoglobin to differentiate acute kidney injury from chronic renal failure       | Dr Naresh Yajamanam<br>Lecturer<br>Biochemistry                                       |
| 415 | A rare case of parathyroid carcinoma   | Dr Y. Mutheeswaraiiah<br>Addl. Professor<br>General Surgery                           |
| 416 | Crescents in renal Biopsy – A Clinicopathological study  | Dr N. Rukmangadha<br>Asst. Professor<br>Pathology                                     |
| 417 | Biliary cystadenoma masquerading as hydatid cyst   | Dr K. Silpa<br>Asst. Professor<br>Radiology   |
| 418 | A case presentation – Anaesthetic Management of patient with Parkinson's disease posted for Thyroidectomy                | Dr Andal Venkataraman<br>Assoc. Professor<br>Anaesthesiology                          |
| 419 | In vitro differentiation of cultured human haemopoietic stem cells into podocytes and beta cells of islets of Langerhans | Ms M.M. Sunitha<br>PhD scholar<br>Biotechnology                                       |
| 420 | Comparison of two analytical methods used for the measurement of total antioxidant capacity                              | Dr PVLN. Srinivasa Rao<br>Professor and Head<br>Biochemistry                          |
| 421 | A prospective study on the common infectious causes of thrombocytopenia in a tertiary care center, Tirupati              | Dr Nibandhana HVND<br>Guntupalli<br>Postgraduate Jr. Resident<br>in MD (Microbiology) |

## ii) Board of Studies

The Board of studies was constituted with the following members for the purpose developing the curriculum, examination pattern etc. for each academic program

|    |                                   |   |                   |
|----|-----------------------------------|---|-------------------|
| 1  | Dean                              | - | Chairman          |
| 2. | Registrar                         | - | Member            |
| 3. | Controller of Examinations        | - | Member            |
| 4. | Head of the Department            | - | Member & Convener |
| 5. | Second Professor / Senior Faculty | - | Member            |
| 6. | External Experts                  | - | Members           |

The following BOS meetings were held during the year 2014

- i. 1<sup>st</sup> BOS meeting for BSc Dialysis Technology Course on 21<sup>st</sup> January 2014
- ii. BOS meeting for BSc Paramedical Courses on 13<sup>th</sup> February 2014
- iii. 1<sup>st</sup> BOS meeting for BSc Nuclear Medicine Technology Course on 14<sup>th</sup> February 2014
- iv. 1<sup>st</sup> BOS meeting for MD Radiodiagnosis Course on 15<sup>th</sup> February 2014
- v. 1<sup>st</sup> BOS meeting for MD Emergency Medicine Course on 05<sup>th</sup> December 2014

## iii) Thesis Protocol Approval Committee (TPAC)

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

### Thesis Protocol Approval Committee

#### a) For MD / DNB Courses

- |  |   |                   |
|--|---|-------------------|
| 1. The Dean  |   | Chairman          |
| 2. The Registrar   | - | Member & Convener |
| 3. Dr P.V.L.N.Srinivasa Rao<br>Prof. & HoD,<br>Dept. of Biochemistry | - | Member            |
| 4. Dr M. Hanumantha Rao<br>Prof. HoD,<br>Dept. of Anaesthesiology    | - | Member            |
| 5. Dr Alladi Mohan<br>Prof. & HoD,<br>Dept. of Medicine              | - | Member            |
| 6. Guide & Co-guide(s)   | - | Member            |
| 7. Controller of Examinations  | - | Member            |

#### b) For DM / MCh Courses

- |   |   |                   |
|---|---|-------------------|
| 1. The Dean   | - | Chairman          |
| 2. The Registrar  | - | Member & Convener |
| 3. Dr V. Siva Kumar<br>Prof. & HoD<br>Dept. of Nephrology       | - | Member            |
| 4. Dr Alok Sachan<br>Prof. & HoD,<br>Dept. of Endocrinology     | - | Member            |
| 5. Dr D. Rajasekhar<br>Prof. & HoD, Dept. of<br>Cardiology      | - | Member            |
| 6. Dr H.Narendra<br>Assoc. Prof., Dept. of<br>Surgical Oncology | - | Member            |
| 7. Chief-Guide & Co-guide(s)                                    |   | Member            |
| 8. Controller of Examinations                                   | - | Member            |

The Thesis Protocol Approval Committee meetings were held during 11<sup>th</sup> March, 22-23 April and 06<sup>th</sup> December 2014.



**The following Thesis protocols were cleared by the Committee for the year 2014**

| <b>TPAC Nos.</b> | <b>Particulars</b>   | <b>Submitted by</b>  | <b>Chief-Guide</b>        |
|------------------|--|--|---------------------------|
| 220              | The effect of adding different dose of Magnesium sulphate to Levobupivacaine for spinal Anaesthesia: A prospective, randomized double blind study.   | Dr S.M. NayyaraBanu<br>Postgraduate Junior Resident in MD (Anaesthesiology)              | Dr M. Hanumantha Rao      |
| 221              | Comparison of Granisetron, Ondansetron, Dexamethasone as a prophylaxis for post operative nausea and vomiting in adults undergoing elective laparoscopic surgeries – A prospective randomized double blind study | Dr Mohsin. K<br>Postgraduate Junior Resident in MD (Anaesthesiology)                     | Dr M. Hanumantha Rao      |
| 222              | Effect of sevoflurane with morphine or fentanyl on hemodynamic response to laryngoscopy and tracheal intubation – a prospective randomized double blind study  | Dr S.R.A. Naga Bhushanam. Padala<br>Postgraduate Junior Resident in MD (Anaesthesiology) | Dr M. Hanumantha Rao      |
| 223              | Evaluation of 25 Gauge Quincke and Whitacre needles on technical problems and post dural puncture headache: A prospective observational study  | Dr K. Brinda<br>Postgraduate Junior Resident in MD (Anaesthesiology)                     | Dr Alok Samantaray        |
| 224              | Study of Markers of oxidative stress and antioxidant status in contrast – induced acute kidney injury  | Dr M. Prasanth<br>Postgraduate Junior Resident in MD (Biochemistry)                      | Dr P.V.L.N. Srinivasa Rao |
| 225              | An evaluation of non-infectious adverse reactions following blood transfusion at a tertiary care teaching hospital i.e. SVIMS, Tirupati, Andhra Pradesh  | Dr Sindhuja Konda Reddy<br>Postgraduate Junior Resident in MD (IHBT)                     | Dr D.S.Jyothi Bai         |
| 226              | A Study of prevalence of rheumatic musculoskeletal disorders in patients with diabetes mellitus  | Dr B. Raga Deepthi<br>Postgraduate Junior Resident in MD (Medicine)                      | Dr B. Siddhartha Kumar    |
| 227              | A Study of burden of tuberculosis in patients with diabetes mellitus   | Dr P. Sumanth Reddy<br>Postgraduate Junior Resident in MD (Medicine)                     | Dr Alladi Mohan           |
| 228              | Aetiology, Clinical Features and predictors of outcome in patients with sepsis and related syndromes admitted to the medical intensive care unit (MICU): A prospective study                                     | Dr P.S.S. Sai Neelima Ch,<br>Postgraduate Junior Resident in MD (Medicine)               | Dr Alladi Mohan           |
| 229              | A prospective study of serum procalcitonin as a marker of infection in patients admitted with fever  | Dr D.P. Kalyana Chakravarthi<br>Postgraduate Junior Resident in MD (Medicine)            | Dr Alladi Mohan           |

|     |   |  |                           |
|-----|---|--|---------------------------|
| 230 | Comparative study of conventional methods- (IgM Elisa and MAT) and molecular diagnostic method-LAMP (Loop-Mediated isothermal amplification) among suspected patients of Leptospirosis  | Dr Nibandhana HVND Guntupalli<br>Postgraduate Junior Resident in MD (Microbiology) | Dr Krishna Kanchan Sharma |
| 231 | Immunohistochemical expression of p 16 INK4A' HPV 16, Ki-67 in squamous intraepithelial lesions and cervical cancers  | Dr Y.C. Spoorthy Rekha<br>Postgraduate Junior Resident in MD (Pathology)           | Dr Radhika Kottu          |
| 232 | Immunocytochemistry in differential diagnosis of Non small cell lung carcinoma on small lung biopsies   | Dr M. Alekhya<br>Postgraduate Junior Resident in MD (Pathology)                    | Dr N. Rukmangada          |
| 233 | A Dosimetric comparison of intensity modulated radiotherapy versus three dimensional conformal radiotherapy of chest wall in post mastectomy breast cancer patients   | Dr Jayasree Kuna<br>Postgraduate Junior Resident in MD (Radiotherapy)              | Dr C.M. Gopala Kesari     |
| 234 | A prospective study of comparison of functional imaging (18F Fluorodeoxyglucose positron emission tomography – 18F FDG PET CT) versus anatomical imaging (contrast enhanced computed tomography – CECT) in dosimetric planning for non-small cell lung cancer (NSCLC) | Dr Archana Prathipati<br>Postgraduate Junior Resident in MD (Radiotherapy)         | Dr B.V. Subramanian       |
| 235 | Comparison between delayed post contrast flair imaging and post contrast T1W imaging in detecting leptomeningeal diseases   | Dr B. Surya Rekha<br>Postgraduate Junior Resident in DNB (Radio-diagnosis)         | Dr A.Y. Lakshmi           |
| 236 | Differentiation of typical from atypical and malignant meningioma   | Dr Khaja Naseeruddin V.S.<br>Postgraduate Junior Resident in MD (Radio-diagnosis)  | Dr A.Y. Lakshmi           |
| 237 | Diagnostic accuracy of MRI in staging Uterine Cervical Carcinoma with Histopathological correlation   | Dr Chaitanya Deep D.S.J<br>Postgraduate Junior Resident in MD (Radio-diagnosis)    | Dr A.Y. Lakshmi           |
| 238 | New quantitative echocardiographic parameters to predict immediate outcomes of percutaneous trans venous mitral commissurotomy  | Dr G. Obul Reddy<br>Postgraduate Senior Resident in DM (Cardiology)                | Dr D.Rajasekhar           |
| 239 | Correlation of epicardial adipose tissue thickness with carotid intima-media thickness  | Dr D. Kranthichaitanya<br>Postgraduate Senior                                      | Dr D. Rajasekhar          |

|     |  |   |                          |
|-----|--|---|--------------------------|
|     | and severity of coronary atherosclerosis as assessed by SYNTAX score   | Resident in DM<br>(Cardiology)  |                          |
| 240 | Correlation of plasma 25-Hydroxy-Vitamin D level with angiographic severity of coronary artery disease.  | Dr K.M Venkateswarlu,<br>Postgraduate Senior<br>Resident in DM<br>(Cardiology)    | Dr D.<br>Rajasekhar      |
| 241 | A study of efficacy and resistance of thienopyridine antiplatelet drugs in Indian patients undergoing percutaneous coronary intervention and to study genetic polymorphisms of ABCBI gene in patients found to have resistance to Clopidogrel.   | Dr R. Madhavi,<br>Postgraduate Senior<br>Resident in DM<br>(Cardiology)           | Dr D.<br>Rajasekhar      |
| 242 | Relationship between hyperprolactinemia and adrenal hyperandrogenism in the polycystic ovary syndrome  | Dr P. Shalini<br>Postgraduate Senior<br>Resident in DM<br>(Endocrinology)         | Dr V. Suresh             |
| 243 | Organ specific autoimmunity in type 1 diabetes mellitus  | Dr V. Ashok<br>Postgraduate Senior<br>Resident in DM<br>(Endocrinology)           | Dr Alok<br>Sachan        |
| 244 | Risk factor profile for cancer associated venous thromboembolism & prediction of high risk patients to optimise thromboprophylaxis   | Dr R.G. Balambika<br>Postgraduate Senior<br>Resident in DM<br>( Medical Oncology) | Dr M. Manick<br>avasagam |
| 245 | Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnosed patients with carcinoma breast and carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy | Dr Ananth Pai<br>Postgraduate Senior<br>Resident in DM<br>(Medical Oncology)      |                          |
| 246 | A Study on relationship between osteopontin and cardiovascular risk factors and carotid intima-media thickness in chronic kidney disease (pre dialysis)  | Dr V. Chaitanya<br>Postgraduate Senior<br>Resident in DM<br>(Nephrology)          | Dr V. Siva<br>Kumar      |
| 247 | Changes in inflammatory and oxidative stress markers during a single hemodialysis session  | Dr B Sangeetha Lakshmi<br>Postgraduate Senior<br>Resident in DM<br>(Nephrology)   | Dr V. Siva<br>Kumar      |
| 248 | Sleep in Parkinsonism – A polysomnography based study  | Dr J. Dushyanth Babu<br>Postgraduate Senior<br>Resident in DM(Neurology)          | Dr B.<br>Vengamma        |

|     |   |  |                 |
|-----|---|--|-----------------|
| 249 | Serial nerve conducting studies for electro-diagnosis of sub types of GBS and outcome: A prospective study  | Dr S.V. Naveen Prasad<br>Postgraduate Senior Resident in DM (Neurology)              | Dr B. Vengamma  |
| 250 | Outcome of decompressive hemicraniectomy in patients with malignant middle cerebral artery infarction   | Dr V.N.Madhava Rao<br>Postgraduate Senior Resident in DM (Neurology)                 | Dr B. Vengamma  |
| 251 | A prospective, observational, study of blunt renal trauma   | Dr K. Venkat Reddy<br>Postgraduate Senior Resident in MCh (Urology)                  | Dr A. Tyagi     |
| 252 | Study of peri operative complications following radical cystectomy  | Dr J. Jayaraju<br>Postgraduate Senior Resident in MCh (Urology)                      | Dr A. Tyagi     |
| 253 | A study of role of CT guided percutaneous needle biopsy of renal masses in management   | Dr J. Lokesh Kumar<br>Postgraduate Senior Resident in MCh (Urology)                  | Dr A. Tyagi     |
| 254 | A Prospective study of incidence of bone metastases at various PSA levels in carcinoma prostate   | Dr K.V. Bhargava Reddy<br>Postgraduate Senior Resident in MCh (Urology)              | Dr A. Tyagi     |
| 255 | A Prospective study of prevalence, pattern and risk factors of lymph nodal metastases in FIGO stage I and II epithelial carcinoma of the ovary  | Dr N. Ramana Reddy<br>Postgraduate Senior Resident in MCh (Surgical Oncology)        | Dr H. Narendra  |
| 256 | A prospective study to assess the function of spinal accessory nerve and patency of internal jugular vein in nerve and vein sparing neck dissection (Mind Type II) for oral squamous cell carcinomas. | Dr G. Revanth Kumar Reddy<br>Postgraduate Senior Resident in MCh (Surgical Oncology) | Dr H. Narendra  |
| 257 | Clinical and hemodynamic comparison of bileaflet mechanical prosthesis open pivot (Medtronic) versus closed pivot (St. Jude's) in mitral position: A prospective study                                | Dr Harivadan Lukka<br>Postgraduate Senior Resident in MCh (CTS)                      | Dr Abha Chandra |
| 258 | Persistence of left ventricular Hypertrophy and left atrial dilatation after aortic valve replacement affect early outcomes and survival: A Prospective study   | Dr P. Hari Krishna Murthy<br>Postgraduate Senior Resident in MCh (CTS)               | Dr Abha Chandra |
| 259 | Early postoperative outcome based on the hemodynamic comparison between complete  | Dr V. Naga Durga Prasad<br>Postgraduate Senior                                       | Dr Abha Chandra |



|     |  |  |                     |
|-----|--|--|---------------------|
|     | and partial preservation of mitral valve apparatus during mitral valve replacement                           | Resident in MCh (CTS)  |                     |
| 260 | Randomized clinical trial of early versus delayed temporary ileostomy closure after colorectal surgeries     | Dr A. Dinakar Reddy<br>Postgraduate Senior<br>Resident in MCh<br>(Surgical GE)             | Dr P. Sriram        |
| 261 | MGMT methylation status and its efficacy in glioblastoma patients treated with temozolomide and radiotherapy | Dr V. Bala Balaji<br>Postgraduate Senior<br>Resident in MCh<br>(Neurosurgery)              | Dr B.C.M.<br>Prasad |
| 262 | Comparative study of various minimally invasive lumbar discectomy procedures and open discectomy             | Dr B.V. Ravi Kumar<br>Postgraduate Senior<br>Resident in MCh<br>(Neurosurgery)             | Dr B.C.M.<br>Prasad |
| 263 | A prospective study on the common infectious causes of thrombocytopenia in a tertiary care center            | Dr Nibandhana HVND<br>Gutupalli<br>Postgraduate Junior<br>Resident in MD<br>(Microbiology) | Dr K.K.<br>Sharma   |

#### iv) Research Committee

The Research Committee is constituted to assess the research proposals of the faculty prior to their submission to IEC. The research proposals forwarded to funding agencies are also scrutinized. The drug trials to be carried out by the faculty are also assessed periodically. The research proposals by external researchers are under the supervision of a co-guide who shall be the faculty of SVIMS, are also reviewed before granting permission. The committee is constituted with members as mentioned below:

- |    |   |   |                 |
|----|---|---|-----------------|
| 1. | The Dean  | - | Chairman        |
| 2. | Dr Alladi Mohan,<br>Professor & HOD, Medicine               | - | Member          |
| 3. | Dr Abhijith Choudhury,<br>Professor & HOD, Microbiology     | - | Member          |
| 4. | Dr Alok Sachan,<br>Professor & HOD, Endocrinology           | - | Member          |
| 5. | Dr P.V.L.N. Srinivasa Rao,<br>Professor & HOD, Biochemistry | - | Special Invitee |

The Research Committee meetings were held regularly on every 4<sup>th</sup> Thursday of each month as detailed below:

| S.No                            | Research Committee Meeting Date | Agenda assessed | Total No. |
|---------------------------------|---------------------------------|-----------------|-----------|
| 01                              | 25.02.2014                      | 139-142         | 04        |
| 02                              | 04.03.2014                      | 143             | 01        |
| 03                              | 12.04.2014                      | 144-147         | 04        |
| 04                              | 05.07.2014                      | 148-150         | 03        |
| 05                              | 25.07.2014                      | 151-153         | 03        |
| 06                              | 05.08.2014                      | 154             | 01        |
| 07                              | 23.08.2014                      | 155-157         | 03        |
| 08                              | 25.08.2014                      | 158             | 01        |
| 09                              | 01.09.2014                      | 159             | 01        |
| 10                              | 09.09.2014                      | 160             | 01        |
| 11                              | 11.09.2014                      | 161             | 01        |
| 12                              | 25.09.2014                      | 162-175         | 14        |
| 13                              | 13.10.2014                      | 176             | 01        |
| 14                              | 14.10.2014                      | 177             | 01        |
| 15                              | 29.11.2014                      | 178-182         | 05        |
| <b>Total proposals assessed</b> |                                 |                 | <b>44</b> |

| Sl. No. | Agenda No. | Title of the research project   | Proposals submitted by                                   |
|---------|------------|---|--|
| 1.      | 139        | For in house development of IgM & IgG Elisa for Leptospirosis. Procurement of consumables for conducting pilot study.   | Dr Abhijit Chaudhury<br>Professor & Head<br>Microbiology |
| 2.      | 140        | Detection of Human papillomavirus (HPV) and identification of its Genotypes among women with suspected cervical cancer and their male partners  | Mr M. Nagaraja<br>Research Scholar<br>Microbiology       |
| 3.      | 141        | Detection of chlamydia trachomatis and herpes simplex virus-2 infections among human papillomavirus positive, clinically suspected women with cervical cancer or precancerous lesions | Dr Usha Kalawat<br>Assoc. Professor<br>Microbiology      |
| 4.      | 142        | The correlation of NT-PRO BNP with echocardiographic indices including 3D Vena contract width in the assessment of severity of MR   | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology       |
| 5.      | 143        | To establish the gold medal to the Medical Faculty for the best published scientific paper representing work done in SVIMS to frame guidelines  | Dr Subhashini Yaturu,<br>USA                             |
| 6.      | 144        | Utility of serum prostate specific antigen and free prostate specific antigen measurements in combination with serum CA 15.3 and serum CEA in breast tumours                          | Dr Aparna R Bitla<br>Assoc. Professor<br>Biochemistry    |

|     |     |  |  |
|-----|-----|--|--|
| 7.  | 145 | Determination of toxoplasmosis by serological and molecular methods impact of socioeconomic and demographic variable on disease prevalence   | Dr Usha Kalawat<br>Assoc. Professor<br>Microbiology                      |
| 8.  | 146 | In vitro differentiation and characterization of cultured human hematopoietic stem cell to cardiomyocytes, astrocytes and oligodendrocytes, and in vitro differentiation and characterization of cultured human hematopoietic stem cells to type II pneumocytes and osteocytes | Dr P.V.G.K. Sarma<br>Assoc. Professor<br>Biotechnology                   |
| 9.  | 147 | To inspect the infrastructural facilities at College of Physiotherapy to start the Ph.D programmes.  | College of<br>Physiotherapy  |
| 10. | 148 | Measurement of thyroid hormones in saliva  | Dr Aparna R. Bitla<br>Assoc. Professor<br>Biochemistry                   |
| 11. | 149 | Novel biomarkers in studying the contrast – induced effect on kidney   | Dr Aparna R. Bitla<br>Assoc. Professor<br>Biochemistry                   |
| 12. | 150 | Identification of mutations in sodium channel alpha subunit type 1 (SCN1A) gene in children with epilepsy in Rayalaseema region.   | Dr Bhuvaneswari Devi,<br>Asst. Professor<br>Biotechnology                |
| 13. | 151 | Request for permission to attend the International conference to be held at New Orleans, USA from 11-10-14 to 15-10-14 – referred to research committee for justification  | Dr M. Hanumantha<br>Rao<br>Senior Professor &<br>Head<br>Anaesthesiology |
| 14. | 152 | Request for permission to attend the International conference i.e. “38 <sup>th</sup> European congress of cytology (ECC-2014)” to be held at Geneva, Switzerland, from 27-09-2014 to 30-09-2014 referred to Research committee for decision.                                   | Dr K. Radhika<br>Assoc. Professor<br>Pathology                           |
| 15. | 153 | Incentives for research publications to Dr C. Chandramaliteeswaran – recommendation of selection committee – referred to research committee – for taking further action on payment of incentive for research publication on the basis of impact factor                         | Dr C.<br>Chandramaliteeswaran<br>Asst. Professor<br>Surgical G.E         |
| 16. | 154 | 38 <sup>th</sup> European congress of cytology (ECC-2014)  | Dr K. Radhika<br>Assoc. Professor<br>Pathology                           |
| 17. | 155 | Soft tissue neoplasms: our experience from a tertiary care center  | Dr Amitabh Jena<br>Addl. Professor<br>Surgical Oncology                  |
| 18. | 156 | Are all solitary thyroid nodules malignant?  | Dr Amitabh Jena<br>Addl. Professor<br>Surgical Oncology                  |
| 19. | 157 | Utility of immunohistochemistry in demonstrating helicobacter pylori   | Dr Rashmi Patnayak<br>Asst. Professor<br>Pathology                       |

|     |     |   |   |
|-----|-----|---|---|
| 20. | 158 | Multiple endocrine neoplasia – MEN2A  | Dr Manilal<br>Asst. Professor<br>Surgical Oncology                      |
| 21. | 159 | Impact of hand hygiene compliance on hospital acquired infections   | Dr Usha Kalawat<br>Assoc. Professor<br>Microbiology                     |
| 22. | 160 | A case of septic abortion posted for emergency laparotomy – a case report   | Dr N. Hemanth<br>Assoc. Professor<br>Anaesthesiology                    |
| 23. | 161 | Diagnostic significance of carbamylated hemoglobin to differentiate acute kidney injury from chronic renal failure  | Dr Naresh Yajamanam<br>Lecturer<br>Biochemistry                         |
| 24. | 162 | Hypothalamic pituitary insufficiency in patients with central nervous system infections   | Dr Alok Sachan<br>Professor & Head<br>Endocrinology                     |
| 25. | 163 | Organ specific autoimmunity in type 1 diabetes mellitus   | Dr Alok Sachan<br>Professor & Head<br>Endocrinology                     |
| 26. | 164 | To establish gold medal (Dr Subhashini Yaturu) to the medical faculty for the best published scientific paper representing work done in SVIMS.  | Dr Alok Sachan<br>Professor & Head<br>Endocrinology                     |
| 27. | 165 | A study of efficacy and resistance of thenopyridine antiplatelet drugs in Indian patients undergoing percutaneous coronary intervention and correlation of Clopidogrel resistance to genetic polymorphisms of ABCB1 3435 T gene   | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology                      |
| 28. | 166 | Correlation of plasma 25-Hydroxy-Vitamin D level with angiographic severity of coronary artery disease  | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology                      |
| 29. | 167 | SPSS22 will be extremely useful for Dept. of Medicine and several other department that are actively doing research at SVIMS.   | Dr Alladi Mohan<br>Professor & Head<br>Medicine                         |
| 30. | 168 | Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnostic patients with carcinoma breast or carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy. | Dr M.<br>Manickavasagam<br>Professor & Head<br>Medical Oncology         |
| 31. | 169 | A study of efficacy and resistance of Thienopyridine antiplatelet drugs in Indian patients undergoing percutaneous coronary intervention and to study genetic polymorphisms of ABCB1 gene in patients found to have resistance to Clopidogrel.  | Dr Madhavi Rodda<br>Postgraduate Senior<br>Resident in DM<br>Cardiology |
| 32. | 170 | Comparative study of conventional methods- (IgM ELISA and MAT) and molecular diagnostic method LAMP among suspected patients of leptospirosis   | Dr Nibandana HVND<br>Guntupalli<br>Postgraduate Junior                  |



|     |     |   |   |
|-----|-----|---|---|
|     |     |   | Resident in MD Microbiology   |
| 33. | 171 | Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnostic patients with carcinoma breast or carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy. | Dr Ananta Pai<br>Postgraduate Senior Resident in DM Medical Oncology        |
| 34. | 172 | A prospective randomized study of neo adjuvant chemotherapy with interval cytoreduction Vs primary cytoreduction in advanced (Stage IIIc/IV) epithelial ovarian cancers   | Dr C. Jaya Prakash<br>Postgraduate Senior Resident in MCh Surgical Oncology |
| 35. | 173 | Body composition, blood glucose and insulin resistance in hypothyroidism before and after restoration of euthyroidism   | Dr V. Suresh<br>Professor Endocrinology                                     |
| 36. | 174 | Morphology and morphometric pattern of myocardial bridges in relation to coronary dominance and association with ischemia in adult human hearts   | Ms M. Sujatha<br>Research Scholar, Registered with SV Medical College       |
| 37. | 175 | Relationship between hyperprolactinemia and adrenal hyperandrogenism in the polycystic ovary syndrome   | Dr V. Suresh<br>Professor Endocrinology                                     |
| 38  | 176 | A rare case of parathyroid carcinoma  | Dr Y. Mutheeswaraiah<br>Addl. Professor General Surgery                     |
| 39  | 177 | Crescents in renal biopsy – a clinicopathological study   | Dr N. Rukmangadha<br>Asst. Professor Pathology                              |
| 40  | 178 | A case presentation - anaesthetic management of patient with Parkinson's disease, posted for thyroidectomy  | Dr Andal Venkataraman<br>Assoc. Professor Anaesthesiology                   |
| 41  | 179 | Genetic polymorphism of cytochromeP450 and its association with endothelial dysfunction in patient with coronary artery disease   | Mrs G. Sowjanya<br>PhD Scholar Cardiology                                   |
| 42  | 180 | A clinical descriptive study on radial club hand  | Dr Pamarthi Srinivas<br>Postgraduate Orthopaedics                           |
| 43  | 181 | Biliary cystadenoma masquerading as hydatid cyst  | Dr K. Silpa<br>Asst. Professor Radiology                                    |
| 44  | 182 | Molecular analysis for genetic mutations in Juvenile myoclonic epilepsy in Andhra Pradesh region  | Mr Kothapalli Jyothinath<br>PhD Scholar Medical Anatomy                     |

## 9.7 Events at SVIMS

1. **Bhoomi pooja:** The Director-cum-VC performed the Bhoomi pooja for the college building of Sri Padmavathi Medical College for Women on 23.01.2014. The Engineering team of APMSIDC, Tirupati division, the Contractor from Tracks & Towers Ltd., Hyderabad and senior faculty from SVIMS attended the programme.



2. **65<sup>th</sup> Republic Day:** Celebrations were held in SVIMS campus on 26.01.2014. 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 released on the occasion.



3. **World Cancer Day:** An awareness programme was organized on the occasion of World Cancer Day on 4<sup>th</sup> February 2014. Dr K. Ramgopal, Collector, Chittoor District, Sri K. Rami Reddy, IAS (Retd), Friends of SVIMS society and other faculty of Oncology spoke on the occasion.



*A public awareness programme was inaugurated by Dr K. Ramgopal, Collector, Chittoor District*

4. **The Sports Day** was conducted on 16.02.2014 in connection with the 21<sup>st</sup> anniversary of the University, which was inaugurated by Dr M.S.Sridhar, Principal, SV Medical College, Tirupati.







5. **International Women's Day** was celebrated on 08.03.2014. Prof. K.S. Ratnakar, Director Global Education, Hyderabad addressed the gathering, Dr V. Vanajakshamma, Professor of Cardiology, SVIMS and Smt. Mamatha, Advocate & IEC Member, SVIMS, were felicitated on the occasion.



6. **World Kidney Day** was observed on 13.03.2014. Public awareness programme was organized on "Awareness on the Kidneys in Health and Disease" at Sri Padmavathi Mahila Viswa Vidyalayam, Tirupati. Dr V.Siva Kumar, Senior Prof. Dept of Nephrology addressed the gathering.



7. A public awareness programme was conducted in connection with World Down Syndrome Day on 21.03.2014



8. **World Tuberculosis Day** was conducted on 24.03.2014. The Director-cum-VC and Professor & HoD Department of Medicine addressed the gathering.





9. **World Health Day** was observed on 07.04.2014. A public awareness programme was organized on the diseases of mosquito bite and prevention in the OPD Block, SVIMS.



10. Dr B.R. Ambedkar's 123<sup>rd</sup> jayanthi was observed on 14.04.2014.



11. **Medical Education Unit:** The Medical Education Unit of SVIMS SPMC (W) was inaugurated by Dr P.V.Ramasubba Reddy, Dean, SVIMS SPMC (W) on 25.04.2014. The Medical Council of India allotted the regional center at Christian Medical College, Vellore for basic

workshop in MET for training of the faculty.



12. **World Nurses Day:** 104<sup>th</sup> International Nurses day was organized on 12.05.2014, on the occasion of the birthday of Florence Nightingale and the speakers expressed the importance of the role of nurses in the medical profession.



13. **World 'Anti Tobacco Day'** was observed on 31.05.2014 and a public awareness programme was organized by the Dept. of Medicine.







**14. World Blood Donor's Day** was conducted on 14.06.2014 by the dept. of Transfusion Medicine. Sri M. Venkata Ramana , Hon'ble MLA at Tirupati, Dr Rajeswari, Addl. DME and Vice Principal, SV Medical College (Retd.) and Dr Rajendra Prasad, Addl. DME & HO, Chittoor attended. They spoke on the theme "Give the gift of life and donate blood" and also donated a wheel chair for poor patients. The NGOs and Voluntary organizations who motivated for Blood Donation were given awards.



**15. Doctor's Day** was observed on 01.07.2014. The senior faculty of the institute addressed the gathering on the occasion.



**16. 68<sup>th</sup> Independence Day** was celebrated on 15.08.2014. Dr B. Vengamma, Director-cum-VC, SVIMS, faculty, staff & students attended.



*68<sup>th</sup> Independence day celebrations*





**17. Teachers Day** was celebrated on 05.09.2014. Dr Murali Babu Rao, Prof. of Cardiology (Retd), Guntur Medical College, Guntur was felicitated.



**18. World Physiotherapy Day:** The World Physiotherapy day celebrations in collaboration with A.P Physiotherapy Association was conducted on the theme "Fit to Take Part" on 08.09.2014. The Hon'ble Minister for Environment, Forests, Science & Technology, Govt. of AP, Sri B. Gopala Krishna Reddy and Hon'ble MLA of Tirupati, Sri M. Venkata Ramana participated.



**19. Orientation programme to MBBS-2014 batch:** The orientation programme was held for the 1<sup>st</sup> batch of MBBS students admitted to Sri Padmavathi Medical College for Women on 15.09.2014. Dr Murali Babu Rao, Prof. of Cardiology (Retd) was invited as chief guest to address the freshers. The Hon'ble Minister for Health and Medical Education Dr Kamineni Srinivas also addressed the students on 17.09.2014.



**20. Organ donation:** An awareness programme on organ donation was organized jointly





by SVIMS, Mohan foundation and Global Hospital, Hyderabad on 16.09.2014

21. **World Heart Day** was conducted on 28.09.2014 by the Dept. of Cardiology. A CME was organized on “Patient Education Pro-

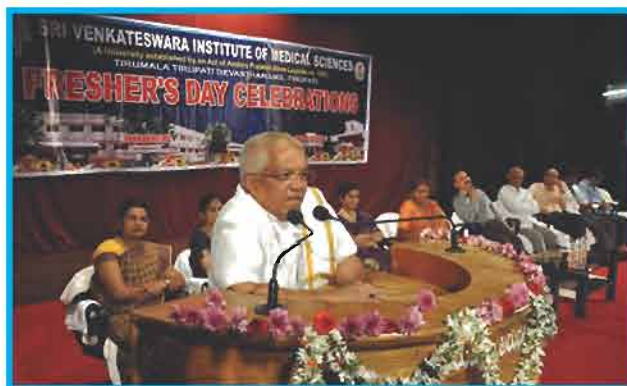


gramme” to create awareness among the public on various heart diseases.

22. **National Blood Donation Day:** A blood donation camp was organized on 01.10.2014 and many of the donors donated the blood on this occasion. The day was observed with a slogan of “Save Blood - Save Life”.



23. **The Freshers Day** was celebrated on 28.10.2014. Sri M.G. Gopal, Executive Officer, TTD, Director-cum-VC, staff and students attended.







**24. Donation to CM relief fund:** All the faculty and employees of the Institute donated one day salary i.e a total of Rs. 9,05,889/- towards donation to Chief Ministers relief fund for relief activities in affected areas of Visakhapatnam due to Hud-Hud cyclone on 01.11.2014. The cheque was handed over The Minister for Health and Medical Education, Govt. of A.P.



**25. World Diabetes day:** on the occasion of World Diabetes day an awareness programme was conducted on 14.11.2014 by SVIMS in association with Urban police district, Tirupati. The Superintendent of Police, Tirupati Urban, Director-cum-VC and the Faculty, Dept. of Endocrinology, SVIMS addressed the gathering. An exhibition was also organised. Investigations were done for the Police staff and their family.



**26. The National Epilepsy Day:** was celebrated on 17.11.2014. The programme was jointly organized by the Dept. of Neurology and Indian Epilepsy Association. The Director-cum-VC, SVIMS and President & Vice President, RASS addressed the gathering



## 9.8 Other activities

1. Pooja and celebrations were held on occasion of New year on 01.01.2014. The Director-cum-VC and staff attended.
2. Ugadi celebrations were performed on 31.03.2014 in the campus
3. **Opening Prayer cum Meditation hall**  
The prayer cum meditation hall was inaugurated during 10-11, Dec 2014 by following the procedures like Ankurarpanam, Sri Vari Bimbastapanam, Sri Vari Ekasilavighraha prana prathistha and Samprokshana under the guidance of chief agama pandit Sri. S.K.Sundara vardhan of Tirumala Tirupati Devasthanams. It is located in between the OPD & administrative blocks.



4. To evaluate the R&D proposals on “To study the possible impact of EMF Radiation exposure from mobile towers and hand sets on life”, a meeting was held on 13.09.2014 with a team of experts from New Delhi, which includes Dr S.K.Sharma, Prof & HoD of Medicine, AIIMS, New Delhi; Dr R.S.Sharma, Scientist-G. ICMR; Dr S.S. Sirohi, Sr. D.D.G, DOT, Go I; Dr S.S.Kohil, Scientist G. DST.



### 9.9 Sports Report

The students of SVIMS University are very active and interested in various Inter University, All India & South Zone National level sports and games competitions for the year 2014.

#### Inter university Sports & games events:

The students participated in various Inter University sports and games competitions this year and following are the participation details:

| Event                                     | Organized by  | Date            | Team Manager & Coach  |
|---|---|-----------------|---|
| Jr.National Volley Ball Championship-2014 | Uttarakand Volleyball Association,Uttarakhand             | 14-20, Jan-2014 | S.Mohammed Ali, BPT 1 <sup>st</sup> Yr. represented Andhra Pradesh Volley Ball team |
| Volley Ball (men) South Zone              | S.V.University, Tirupati, AP                              | 06-02-14        | B.A.Madhu Babu, PD, Mr.Muthyalaiiah Chetty, PD Govt.Jr. College, Pileru.            |
| Volley Ball (men) South Zone              | Krishna University, Vijayawada, AP                        | 08-10-14        | -do-  |
| Cricket (men) South Zone                  | Anna University, Chennai at Trichy, (TN)                  | 16-11-14        | Dr M.Suresh Kumar , Tutor, Mr.Muragan, Coach, CDCA, Tirupati.                       |
| Kho-Kho (men) South Zone                  | Anna University, Chennai at Mailam, Villipuram dist. (TN) | 26-12-14        | Mr. B.A.Madhu Babu, PD, Mr. E. Gopi, Kho-Kho Coach, SV University, Tirupati.        |
| Badminton (men & women) South zone        | Bharathiyar University, Coimbatore (TN)                   | 26-12-14        | Dr M.SureshKumar, Dr N.Kavitha, Tutor, COP, Mr.Shivaiah, SAAP, Tirupati.            |
| Athletics (men & women) All India level   | RGUHS, Bangalore- held at Mangalore,Moodibidre            | 16-12-14        | Dr Senthil Kumar Dr Sreekumari, Mr.B.A.Madhu Babu, PD                               |



## UNIFEST-2014

On the occasion of 21<sup>st</sup> Anniversary and Unifest celebrations, sports competitions of SVIMS were held during Jan-Feb 2014. 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:

| SL no | Event Name                      | Category         | Winner Champion   | Runners Champion  |
|-------|---------------------------------|------------------|---|---|
| 1.    | ThrowBall (Women)               | Staff            | Padmavathamma team : Captain C.Dhanarekha, HN & Team.                 | Bhudevi Ammavari Team: Captain – T.Saradha Devi, SN & Team.                       |
| 2     | Badminton Doubles (Men)         | Staff            | Mr.NSR.Murali Krishna, Asst. MRO & Mr. Chandra Mohan, GM (o) office . | Mr. Sreenivasulu, Sr.Asst. O/o Director-cum-VC, TRS.Srinivasulu, RAAS Supervisor. |
| 3     | Cricket (Men)                   | Staff            | Dialysis staff team   | Doctors team  |
| 4     | Cricket (Men)                   | students         | PMTc team   | College of Nursing team   |
| 5     | Cricket (Women)                 | Students         | College of Physiotherapy team   | College of Nursing team   |
| 6     | Volley Ball (Men)               | Students & Staff | College of Physiotherapy team   | Staff team  |
| 7     | Volley Ball (Women)             | students         | College of Physiotherapy team   | College of Nursing team   |
| 8     | Badminton Doubles (Men & Women) | Students         | College of Nursing team   | College of Physiotherapy team   |
| 9     | Kho-Kho (Men & Women)           | Students         | College of Nursing team   | College of Physiotherapy team   |
| 10    | Kabaddi (Men)                   | Staff & Students | College of Nursing team   | PMTc-Staff and students team  |

### SVIMS, Students and staff participated in National tournaments held in Tirupati.

| SL No | Event /Dt.              | Date       | Tournament   | Name of the staff & students  | Winners/runners                            |
|-------|-------------------------|------------|--|---|--|
| 1.    | Cricket (men)           | 6-7-2014   | Cricket (men) by Tirupati corporate league, Emeralds Edu. Trust. | Staff team  | Participated                               |
| 2     | Badminton (Men & Women) | 10-08-2014 | Invitational Inter University Badminton Champ.-2014.             | Staff represented by NSR.Muralikrishna, Chandramohan, Out sourcing,<br>Staff represented by Ch.Raviprabhakar, Sudhakar, | Winners (Doubles)<br><br>Runners (Doubles) |



|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  | Nursing Students :<br>T.Rajya Lakshmi &<br>G.Rekha | Winners in doubles<br>& Runners-up in<br>singles |
|--|--|--|--|--|--|

### UNIFEST – 2014 students and staff individual champions

#### ***Students:***

***Men:*** Mr.S. Mohammed Ali, BPT 1<sup>st</sup> yr. with 20 points.

***Women:*** Kum. G.Bhanu Priya, B.Sc. MLT, with 20 points.

#### ***Staff & Faculty:***

***Men :*** Dr Ramakrishna, PG in Neurology with 18 points.

**Over all champlonship:** The Over All Championship was bagged by the students of College of Nursing with 148 points.



## II Human Resource Development

### 1.0 Degrees conferred

For the academic year 2013-14, 296 students successfully completed their academic programmes and were awarded degree, diplomas during the 5<sup>th</sup> convocation held on 13.10.2014

### 1.1 DM / MCh Courses

| S. No. | Name                      | Branch                    |
|--------|---------------------------|---------------------------|
| 1      | Dr A. Vidya Sagar         | Cardiology                |
| 2      | Dr C. Siva Sankara        | Cardiology                |
| 3      | Dr M. Boochi Babu         | Cardiology                |
| 4      | Dr K.P. Ranganayakulu     | Cardiology                |
| 5      | Dr M.Arun                 | Endocrinology             |
| 6      | Dr A.Sailaja              | Endocrinology             |
| 7      | Dr K.Sudheer Reddy        | Medical Oncology          |
| 8      | Dr V.Venkata Sampath      | Medical Oncology          |
| 9      | Dr B.Varalakshmi Devi     | Nephrology                |
| 10     | Dr J.Varadaraja           | Neurology                 |
| 11     | Dr M. Sudhakar Rao        | Neurology                 |
| 12     | Dr G. Rama Krishna        | Neurology                 |
| 13     | Dr A. Ganesh              | Urology                   |
| 14     | Dr A. Ram Prasad Reddy    | Urology                   |
| 15     | Dr C. Surya Prakash Reddy | Urology                   |
| 16     | Dr Y.L.Sree Ranga         | Urology                   |
| 17     | Dr A.Sanjeev Kumar        | Neurosurgery              |
| 18     | Dr M.Abdul Ameen          | Neurosurgery              |
| 19     | Dr K.Radha Krishna        | Surgical Gastroenterology |
| 20     | Dr N. Raghu Vamsi         | Surgical Oncology         |
| 21     | Dr A.Ramesh               | Surgical Oncology         |
| 22     | Dr M.Motilal              | C.T. Surgery              |

### 1.2 MD Courses

| S. No. | Name                   | Branch                                 |
|--------|------------------------|--|
| 1      | Dr A. Lava Kumar       | Anaesthesiology                        |
| 2      | Dr K.G.Sri Hari        | Anaesthesiology                        |
| 3      | Dr J.Chaitanya         | Anaesthesiology                        |
| 4      | Dr Y.Naresh            | Biochemistry                           |
| 5      | Dr B.Suresh Babu       | Immuno Haematology & Blood transfusion |
| 6      | Dr N.Sowgandhi         | Medicine                               |
| 7      | Dr N.Dinesh Kumar      | Medicine                               |
| 8      | Dr G.L.S.Sumanth Kumar | Microbiology                           |

### 1.3 PhD

| S. No. | Name               | Registered under       | Department of study |
|--------|--------------------|------------------------|---------------------|
| 1      | I.Vanipriyadarsini | Allied Health Sciences | Bioinformatics      |
| 2      | A.Viswanath Reddy  | Paramedical Sciences   | Neurosurgery        |
| 3      | K.Vivekanand       | Allied Health Sciences | Medicine            |

### 1.4 MSc Nursing

| S. No. | Name              | Branch                     |
|--------|-------------------|----------------------------|
| 1      | C.Karunasri       | Community Health Nursing   |
| 2      | M.Manjula         | Community Health Nursing   |
| 3      | K.Naga Venkat     | Community Health Nursing   |
| 4      | D.Rajkumar        | Community Health Nursing   |
| 5      | M.Suleman Shareef | Community Health Nursing   |
| 6      | B. Anuradha       | Medical – Surgical Nursing |
| 7      | G.Anusha          | Medical – Surgical Nursing |



| S. No. | Name                | Branch                           |
|--------|---------------------|----------------------------------|
| 8      | S.Deepthi           | Medical – Surgical Nursing       |
| 9      | K.Lakshmi Bhavani   | Medical – Surgical Nursing       |
| 10     | U.Lathasree         | Medical – Surgical Nursing       |
| 11     | K.Padma             | Medical – Surgical Nursing       |
| 12     | G.Manoranjani       | Obstetrics & Gynaecology Nursing |
| 13     | K.Meena             | Obstetrics & Gynaecology Nursing |
| 14     | K.Sandhya Rani      | Obstetrics & Gynaecology Nursing |
| 15     | K.Sobha             | Obstetrics & Gynaecology Nursing |
| 16     | G.Sravan Reddy      | Obstetrics & Gynaecology Nursing |
| 17     | J.Venkata Lakshumma | Obstetrics & Gynaecology Nursing |
| 18     | K.Chaitanya         | Paediatric Nursing               |
| 19     | S.Chottima          | Paediatric Nursing               |
| 20     | R.Divya Madhuri     | Paediatric Nursing               |
| 21     | J.Jagadeeswari      | Paediatric Nursing               |
| 22     | A.Leelavathi        | Paediatric Nursing               |
| 23     | J.Samhitha          | Paediatric Nursing               |
| 24     | J.Mahathi           | Psychiatric Nursing              |
| 25     | V.Padma             | Psychiatric Nursing              |
| 26     | C.Reddemma          | Psychiatric Nursing              |
| 27     | U.Suhasini          | Psychiatric Nursing              |
| 28     | K.Vasanth Kumar     | Psychiatric Nursing              |

### 1.5 Master of Physiotherapy

| S. No. | Name              | Branch                     |
|--------|-------------------|----------------------------|
| 1      | P.Chinna Reddemma | Cardiovascular & Pulmonary |
| 2      | D.Manjusha        | Cardiovascular & Pulmonary |
| 3      | T.Anusha          | Cardiovascular & Pulmonary |
| 4      | B.Deekshita       | Neurology                  |
| 5      | M.Sandhyakiran    | Neurology                  |
| 6      | S.Sethana         | Neurology                  |
| 7      | M.Harshitha       | Orthopaedics               |
| 8      | Y.Lokapavani      | Orthopaedics               |

| S. No. | Name                     | Branch       |
|--------|--------------------------|--------------|
| 9      | L.Veera Satya Pravallika | Orthopaedics |
| 10     | V.Diwakar                | Sports       |
| 11     | B.Saisucharitha          | Sports       |
| 12     | V.Vinodh Kumar           | Sports       |

### 1.6 MSc Medical Courses

| S.No. | Name            | Branch       |
|-------|-----------------|--------------|
| 1     | K.Vishnu Priya  | Anatomy      |
| 2     | P.Pravallika    | Physiology   |
| 3     | G.Indra Kumar   | Physiology   |
| 4     | B.Indumathi     | Biochemistry |
| 5     | S.Naresh        | Biochemistry |
| 6     | M.Ramesh Babu   | Biochemistry |
| 7     | N.Vishnuteja    | Microbiology |
| 8     | P.Vidyasagarika | Microbiology |

### 1.7 MSc Courses

#### a) Biotechnology

| S.No. | Name            | S.No. | Name             |
|-------|-----------------|-------|------------------|
| 1     | PMD.Prudhviraaj | 9     | M.Nirmala        |
| 2     | S.Anusha        | 10    | V.Padmavathi     |
| 3     | K.Desamma       | 11    | P.Priya          |
| 4     | B.Guma          | 12    | M.N.Priyanka     |
| 5     | P.Hari Prasad   | 13    | G.Roopesh        |
| 6     | R.Haritha       | 14    | G.D Sarath Kumar |
| 7     | E.Madhurekha    | 15    | G.Somasekhar     |
| 8     | N.Naveen Kumar  | 16    | V.Shravani       |

#### b) Bioinformatics

| S.No. | Name                 | S.No. | Name           |
|-------|----------------------|-------|----------------|
| 1     | B.Bhaskar            | 5     | N.Narasimhulu  |
| 2     | M.Charan Kumar       | 6     | Shaik Parveen  |
| 3     | M.Lakshmi Varaprasad | 7     | V.Siva Krishna |
| 4     | N.Sivakumary         | 8     | N.Sushmitha    |

### 1.8 BSc Nursing

| S.No. | Name                | S.No. | Name               | S.No. | Name                   |
|-------|---------------------|-------|--------------------|-------|------------------------|
| 1     | C. Bhavya           | 34    | K.Jayanthi         | 67    | P.Rajeswari            |
| 2     | A. Vasantha         | 35    | M.Jayasree         | 68    | B.Ramesh Reddy         |
| 3     | M.Vemanarayanamma   | 36    | G.Jyothi           | 69    | E.Ramya                |
| 4     | N.Dhanalakshmi      | 37    | S.Jyothi           | 70    | N.Reddemma             |
| 5     | B.Lavanya           | 38    | M.Kavitha          | 71    | K.Rekha                |
| 6     | K.Radhika           | 39    | P.Keerthi          | 72    | T.M.Revathi            |
| 7     | S.Reddy Prathap     | 40    | K.Komali           | 73    | D.Roja                 |
| 8     | T.Shalini           | 41    | K.Lakshmi Devi     | 74    | N.Roopaa               |
| 9     | K.Bharath           | 42    | N.Lakshmi Devi     | 75    | D.Saidharanija         |
| 10    | C.Lakshmi Devi      | 43    | M.Laxmi Prasanna   | 76    | P.Saraswathi           |
| 11    | Kothapalle.Nandini  | 44    | Dasagani.Lokeswari | 77    | D.Sasi Kala            |
| 12    | Nalleri.Nandini     | 45    | Menthi.Lokeswari   | 78    | P.Sasi Kala            |
| 13    | S.Saraswathi        | 46    | C.Prasanna         | 79    | T.Savithri             |
| 14    | K.Swathi            | 47    | CH.Mallika         | 80    | S.Shadhik              |
| 15    | M.Adilakshmi        | 48    | S.M.Chandra Sekhar | 81    | D.Shek Shaheena        |
| 16    | P.Aivelvi           | 49    | V.Manjula          | 82    | P.Shalem Raj           |
| 17    | K.Amaravathi        | 50    | A.Meena Kumari     | 83    | R.Shilpa               |
| 18    | P.Aswani            | 51    | G.Monisha          | 84    | K.Soundarya            |
| 19    | S.Ayesha            | 52    | C.R.Monika         | 85    | M.Sruthi               |
| 20    | M.Balaji            | 53    | M.Mounika          | 86    | M.Subharajitha         |
| 21    | P.Bhagyamma         | 54    | S.Mounika          | 87    | G.Sujatha              |
| 22    | A.Bhanu Kiran       | 55    | J.Muni Krishna     | 88    | T.Sukanya              |
| 23    | P.Bhanusha          | 56    | P.Naga Subbamma    | 89    | R.Surendra Naik        |
| 24    | N.Bharathi          | 57    | R.Nagendra Babu    | 90    | B.Swathi               |
| 25    | S.Bhavani           | 58    | B.Nandini          | 91    | T.Swathi               |
| 26    | T.Chandrakala       | 59    | V.Pallavi          | 92    | M.S.Umamaheswari       |
| 27    | S.Daniel            | 60    | M.Pavani           | 93    | B.Vaani                |
| 28    | E.Dayakar           | 61    | S.Pavani           | 94    | D.Vandhana             |
| 29    | A.DeepaRani         | 62    | B.Prameela         | 95    | K.Venkata Thritheswari |
| 30    | S.Devi Prasad Yadav | 63    | G.Prasanna         | 96    | P.Vijaya Kumari        |
| 31    | G.P.E.Priyadarsini  | 64    | Y.Prasanthi        | 97    | T.Yamini               |
| 32    | M.S.Geethika        | 65    | P.Priyanka         | 98    | P.Yasodha              |
| 33    | C.S.Hameeda Begum   | 66    | K.S.Rajesh         | 99    | V.Yogavalli            |
|       |                     |       |                    | 100   | A.GowriSankar          |

### 1.9 Bachelor of Physiotherapy

| S.No. | Name         | S.No. | Name             | S.No. | Name            |
|-------|--------------|-------|------------------|-------|-----------------|
| 1     | S.Madhavi    | 10    | M.P.Indu         | 19    | B.Geetha        |
| 2     | J.Beaulah    | 11    | Y.Bhavani        | 20    | P.Keerthi Priya |
| 3     | K.Manuja     | 12    | D.Chaithanya     | 21    | V.Meena         |
| 4     | T.Geetha     | 13    | R.Sravana Kumari | 22    | G.Nandini       |
| 5     | P.Reddy Rani | 14    | E.Sai Anusha     | 23    | C.Silpa         |
| 6     | M.Srikanth   | 15    | K.Lavanya        | 24    | P.Sunitha       |
| 7     | M.Suneetha   | 16    | M.Sravani        | 25    | B.Anuradha      |
| 8     | C.Manjusha   | 17    | D.Swethaa        |       |                 |
| 9     | K.Anusha     | 18    | G.Uma            |       |                 |

**1.10 PG Diploma in Paramedical courses**

| S.No. | Name              | Branch | S.No. | Name             | Branch |
|-------|-------------------|--------|-------|------------------|--------|
| 1     | B. Anusha         | CPPT   | 5     | M. Nagarjuna rao | DT     |
| 2     | R. Jyothi Krishna | CPPT   | 6     | P. Ravi          | DT     |
| 3     | K. Gabriel Pasad  | DT     | 7     | K. Rama moorthy  | MRS    |
| 4     | D. Harish         | DT     | 8     | S. Suri babu     | RIT    |

**1.11 BSc Paramedical courses**

| S.No. | Name               | Branch | S.No. | Name             | Branch    |
|-------|--------------------|--------|-------|------------------|-----------|
| 1     | V. Himasailaja     | MLT    | 22    | T. Kalyan sai    | AT        |
| 2     | P. Komala          | MLT    | 23    | G.Leela Prasad   | AT        |
| 3     | D. Renuka devi     | MLT    | 24    | T.Prakash Reddy  | AT        |
| 4     | P. Uma             | MLT    | 25    | R. Sekhar        | AT        |
| 5     | B. Yamuna          | MLT    | 26    | A.G.Swathi Kiran | AT        |
| 6     | G.Siva Kesavulu    | AT     | 27    | B. Syam Babu     | AT        |
| 7     | V.Amala            | MLT    | 28    | M.Venkatesh      | AT        |
| 8     | M.Anitha           | MLT    | 29    | N.Prasanna Kumar | AT        |
| 9     | K.Chaithanya Kumar | MLT    | 30    | K.Gayathri       | RIT       |
| 10    | N.Hemachandra      | MLT    | 31    | D.Ramu           | RIT       |
| 11    | M.Madhu kumar      | MLT    | 32    | T.Chaitanya      | RIT       |
| 12    | T.Nagamani         | MLT    | 33    | I.Ramesh         | RIT       |
| 13    | B.Narendra         | MLT    | 34    | C.Vamsikrishna   | ECG & CVT |
| 14    | P.Prathyusha       | MLT    | 35    | P.Venkaiah       | ECG & CVT |
| 15    | P.Roja             | MLT    | 36    | K.Vijaya Bhaskar | ECG & CVT |
| 16    | T.Sasikala         | MLT    | 37    | K.B.Archana      | ECG & CVT |
| 17    | N.Sreekanth        | MLT    | 38    | D.Haritha        | NT        |
| 18    | T.Subramanyam      | MLT    | 39    | K.M.Jenifer      | NT        |
| 19    | M. Anitha          | AT     | 40    | V.Hemalatha      | UT        |
| 20    | B. Dasaraj Naick   | AT     | 41    | S.Shahanaz Begum | UT        |
| 21    | U.Girija           | AT     |       |                  |           |

**1.12 B Sc Physician Assistant course**

| S.No. | Name       |
|-------|------------|
| 1     | G.Geetha   |
| 2     | M.R.Manasa |

**1.13 Diploma in Radiotherapy Technology**

| S.No. | Name        |
|-------|-------------|
| 1     | V.Sandhya   |
| 2     | S.Venkatesh |
| 3     | CH.Deepika  |



#### 1.14 Certificate course in specialized nursing

| S.No. | Name              | Branch       |
|-------|-------------------|--------------|
| 1     | B. Deepika        | C.T. Surgery |
| 2     | M.K. Jyothi       | C.T. Surgery |
| 3     | M. Sreevani       | C.T. Surgery |
| 4     | C. Swetha latha   | C.T. Surgery |
| 5     | V. Lirisha        | Cardiology   |
| 6     | G. Naveen kumar   | Cardiology   |
| 7     | P. Subhan         | Cardiology   |
| 8     | Sunkanna. Mangali | Cardiology   |
| 9     | A. Johar          | Dialysis     |
| 10    | M. Vanisree       | Dialysis     |

#### 1.15 Diploma in Radiographic Assistant

| S.No. | Name          |
|-------|---------------|
| 1     | P.Saraswathi  |
| 2     | Daiva Prakash |

#### 2.0 Training provided to students from other institutions :

The requests from students from other institutions for specialty training at SVIMS will be accepted for short-term training for varying periods (up to 4months) in a specialty/specialities 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 available in the institute's website.

For the year 2014, 376 students from different institutes had undergone training. The details are as follows :

#### 2.1 DM Courses

| S.No. | Name               | Course        | Institution                    | Period of Posting                                      | Place of Posting |
|-------|--------------------|---------------|--------------------------------|--|------------------|
| 1     | Dr Rajiv Andrew    | DM Nephrology | Madras Medical College Chennai | 18 <sup>th</sup> February – 2 <sup>nd</sup> March 2014 | Nephrology       |
| 2     | Dr Indumathi       |               |                                |  |                  |
| 3     | Dr Sujith          |               |                                |  |                  |
| 4     | Dr Abeesh          | DM Nephrology | Madras Medical College Chennai | 1 <sup>st</sup> May – 14 <sup>th</sup> May 2014        | Nephrology       |
| 5     | Dr M. Gandhi Mohan |               |                                |  |                  |
| 6     | Dr A. Jegan        |               |                                |  |                  |

| S.No. | Name                   | Course                            | Institution                                     | Period of Posting                                      | Place of Posting  |
|-------|------------------------|-----------------------------------|---|--|---|
| 7     | Dr Avin Subhash        | MD General Medicine               | PESIMSR, Kuppam                                 | 20 <sup>th</sup> January – 20 <sup>th</sup> March 2014 | Neurology   |
| 8     | Dr E. Kiran Kumar      | MD General Medicine               | PESIMSR, Kuppam                                 | 01-15 February 2014                                    | Cardiology  |
| 9     | Dr Pavan Kumar Singh   | MD General Medicine               | SV Medical College, Tirupati                    | 01-28 February 2014                                    | Nephrology<br>RICU<br>Neurology<br>Cardiology               |
| 10    | Dr Salma Khanam        |                                   |   |  |   |
| 11    | Dr M. Jayaprakash      |                                   |   |  |   |
| 12    | Dr H. Rafiqpasha       |                                   |   |  |   |
| 13    | Dr HVVSS. Laxaman      |                                   |   |  |   |
| 14    | Dr G. Rajasekhar       | MD Anesthesiology                 | SV Medical College, Tirupati                    | 1 <sup>st</sup> February – 31 <sup>st</sup> May 2014   | CT & Recovery   |
| 15    | Dr J. Raghuveer        |                                   |   |  |   |
| 16    | Dr Y.Nicolas Israel    | MD Paediatrics                    | SV Medical College, Tirupati                    | 15 <sup>th</sup> March – 30 <sup>th</sup> April 2014   | Cardiology<br>Radiology<br>Neurology                        |
| 17    | Dr Balakrishna         |                                   |   |  |   |
| 18    | Dr Prasoon             |                                   |   |  |   |
| 19    | Dr Nagamani            | MD Paediatrics                    | SV Medical College, Tirupati                    | 01-15 May 2014   | Cardiology<br>Radiology<br>Neurology                        |
| 20    | Dr Shabbir Ali         |                                   |   |  |   |
| 21    | Dr P.Sree Lakshmi      |                                   |   |  |   |
| 22    | Dr Madhavi             | MD General Medicine               | SV Medical College, Tirupati                    | 01-31 May 2014   | Medical<br>Oncology<br>Endocrinology                        |
| 23    | Dr B.Sreelalitha       |                                   |   |  |   |
| 24    | Dr Naganarasimha Reddy |                                   |   |  |   |
| 25    | Dr M.Sandeep           |                                   |   |  |   |
| 26    | Dr K. Siva Prasad      |                                   |   |  |   |
| 27    | Dr D. Ramesh           |                                   |   |  |   |
| 28    | Dr G. Raja Sekhar      | MDS Oral & Maxillo-facial surgery | CKS Teja Institute of Dental Sciences, Tirupati | 1 <sup>st</sup> June – 30 <sup>th</sup> November 2014  | Medical<br>Oncology<br>Radiotherapy<br>Surgical<br>Oncology |
| 29    | Dr Charan Kumar        |                                   |   |  |   |
| 30    | Dr Sandeep             |                                   |   |  |   |
| 31    | Dr I.Srikanth          |                                   |   |  |   |
| 32    | Dr P.V.S. Manjari      |                                   |   |  |   |
| 33    | Dr Pallavi Chaitanya   |                                   |   |  |   |
| 34    | Dr K.V.Srikanth        | MD General Medicine               | SV Medical College, Tirupati                    | 02-30 June 2014  | Neurology   |
| 35    | Dr Pavankumar Singh    |                                   |   |  |   |
| 36    | Dr Salma Khanam        |                                   |   |  |   |
| 37    | Dr M.Jayaprakash       |                                   |   |  |   |
| 38    | Dr H.Rafiqpasha        |                                   |   |  |   |
| 39    | Dr HVVSS.Laxaman       | MD General Medicine               | SV Medical College, Tirupati                    | 02-30 June 2014  | Neurology   |
| 40    | Dr K.Raghavendra       |                                   |   |  |   |

| S.No. | Name                    | Course   | Institution  | Period of Posting   | Place of Posting                                       |
|-------|-------------------------|--|--|---|--|
| 41    | Dr B.Sreelalitha        | MD General Medicine                                  | SV Medical College, Tirupati                               | 01-31 July 2014   | Neurology  |
| 42    | Dr Naganarasimha Reddy  |  |  |   |  |
| 43    | Dr M.Sandeep            |  |  |   |  |
| 44    | Dr K.Siva Prasad        |  |  |   |  |
| 45    | Dr D.Ramesh             |  |  |   |  |
| 46    | Dr G.Rajasekhar         | MDS Oral and Maxillo-Facial Pathology & Microbiology | CKS Teja Institute of Dental Sciences & Research, Tirupati | 26 <sup>th</sup> June – 25 <sup>th</sup> December 2014        | Pathology<br>Microbiology<br>Surgical Oncology         |
| 47    | Dr B.Meeramma           |  |  |   |  |
| 48    | Dr K. Saranya           |  |  |   |  |
| 49    | Dr K.Anitha             |  |  |   |  |
| 50    | Dr O.Bharath            |  |  |   |  |
| 51    | Dr Y.Prasanthi          | MD General Medicine                                  | SV Medical College, Tirupati                               | 01-30 September 2014  | Endocrinology<br>Med.Oncology                          |
| 52    | Dr Md. Sania Azmi       |  |  |   |  |
| 53    | Dr M.Jaya Prakash       |  |  |   |  |
| 54    | Dr H.Rafiq Pasha        | MD Radiology & DMRD                                  | MIMS, Vizianagaram   | 01 <sup>st</sup> September – 30 <sup>th</sup> November 2014   | Radiology  |
| 55    | Dr B.Bhagya Lakshmi     |  |  |   |  |
| 56    | Dr B.Suryakala          |  |  |   |  |
| 57    | Dr K. Prathima          | MD General Medicine                                  | PIMS, Karimnagar   | 08-30 September 2014  | Neurology<br>Cardiology                                |
| 58    | Dr N.Yamini Shashank    |  |  |   |  |
| 59    | Dr T.Lavanya            | MDS Oral Medicine & Radiology                        | CKS Teja Institute of Dental Sciences & Research, Tirupati | 01-31 October 2014  | Radiotherapy   |
| 60    | Dr M.Charitha           |  |  |   |  |
| 61    | Dr R.Harsha Vardhan     |  |  |   |  |
| 62    | Dr B.Visalakshi         | MD General Medicine                                  | RIMS, Kadapa   | 01 <sup>st</sup> October – 31 <sup>st</sup> December 2014     | Neurology<br>Cardiology<br>Nephrology<br>Rheumatology  |
| 63    | Dr N.Balakrishna        |  |  |   |  |
| 64    | Dr B.Sarath Kumar Reddy | MD General Medicine                                  | SMC & GH Nandyal, Kurnool                                  | 06 <sup>th</sup> October – 05 <sup>th</sup> January 2015      | Medicine<br>RICU<br>Cardiology<br>CT Surgery           |
| 65    | Dr G.Vamsi Chaitanya    |  |  |   |  |
| 66    | Dr Sujana Priya         | MD General Medicine                                  | PESIMSR, Kuppam  | 27 <sup>th</sup> October 2014 – 26 <sup>th</sup> January 2015 | Neurology<br>Cardiology<br>Endocrinology<br>Nephrology |
| 67    | Dr Bhargavi             |  |  |   |  |
| 68    | Dr E.V. Ramana          |  |  |   |  |
| 69    | Dr Shabari Girish       |  |  |   |  |
| 70    | Dr Manoj Kumar          |  |  |   |  |
| 71    | Dr S.Jeevana            | MD Psychiatry  | SV Medical College, Tirupati                               | 01 <sup>st</sup> November – 31 <sup>st</sup> December 2014    | Neurology  |
| 72    | Dr S.Bharathi           |  |  |   |  |
| 73    | Dr B.C.Surekha          | MD ENT   | SV Medical College, Tirupati                               | 01 <sup>st</sup> November – 31 <sup>st</sup> December 2014    | Surgical Oncology<br>CT Surgery<br>Neurosurgery        |



| S.No. | Name              | Course                | Institution              | Period of Posting   | Place of Posting  |
|-------|-------------------|-----------------------|--------------------------|---|---|
| 74    | Dr G. Nagi Reddy  | MD Anesthesia         | KMC & H Guntur           | 05 <sup>th</sup> November 2014 – 05 <sup>th</sup> February 2015 | RICU<br>Surgical Oncology<br>CT Surgery<br>Neurosurgery |
| 75    | Dr S.Prakash Babu | MD Emergency Medicine | PESIMSR Kuppam           | 06 <sup>th</sup> November – 05 <sup>th</sup> December 2014      | RICU<br>Nephrology                                      |
| 76    | Dr Bhavya Gatte   | MD Anesthesia         | Dr PSIMS & RF Vijayawada | 2 <sup>nd</sup> December 2014 – 31 <sup>st</sup> January 2015   | Neurosurgery<br>RICU<br>Cardiothoracic                  |
| 77    | Dr Devika Bangaru |                       |                          |   |   |
| 78    | Dr P. Kiran Kumar | MD General Medicine   | RIMS Kadapa              | 8 <sup>th</sup> December 2014 – 7 <sup>th</sup> January 2015    | Endocrinology<br>Nephrology                             |

### 2.3 DNB Courses

| S.No. | Name             | Course             | Institution                             | Period of Posting   | Place of Posting |
|-------|------------------|--------------------|---|---|------------------|
| 79    | Dr M.Arun Reddy  | DNB Neurosurgery   | Yashoda Hospital, Hyderabad             | 17 <sup>th</sup> March – 02 <sup>nd</sup> May 2014        | Neurosurgery     |
| 80    | Dr U.Naga Satish | DNB Anesthesiology | Ispat General Hospital Rourkela, Odisha | 13 <sup>th</sup> August – 02 <sup>nd</sup> September 2014 | Anaesthesia      |

### 2.4 MS Courses

| S.No. | Name                   | Course         | Institution                  | Period of Posting                                       | Place of Posting   |
|-------|------------------------|----------------|------------------------------|---|--|
| 81    | Dr Sowjanya            | MS OBG         | SV Medical College, Tirupati | 02-15 January 2014                                      | Surg.Oncology<br>Radiotherapy  |
| 82    | Dr Padmapriya          |                |                              |   |  |
| 83    | Dr A.J. Keethi Sagari  |                |                              |   |  |
| 84    | Dr Mobeentaj           |                |                              |   |  |
| 85    | Dr Tanuja              |                |                              |   |  |
| 86    | Dr Vidyavathi          |                |                              |   |  |
| 87    | Dr Saritha             |                |                              |   |  |
| 88    | Dr Padmasri            |                |                              |   |  |
| 89    | Dr E. Naresh Kumar     | MS Orthopedics | SV Medical College, Tirupati | 04 <sup>th</sup> February – 20 <sup>th</sup> March 2014 | Neurosurgery   |
| 90    | Dr A. Indrasaivamsi    |                |                              |   |  |
| 91    | Dr L. Anand            |                |                              |   |  |
| 92    | Dr K. Sowbhagyalakshmi | MS OBG         | KIMS Amalapuram              | 04 <sup>th</sup> August – 31 <sup>st</sup> October 2014 | Surg.<br>Oncology<br>Radiotherapy<br>Urology<br>Endocrinology<br>Radiology |

| S.No. | Name                      | Course         | Institution                  | Period of Posting  | Place of Posting                      |
|-------|---------------------------|----------------|------------------------------|--|---------------------------------------|
| 93    | Dr N.Vamsi Krishna Naik   | Gen.Surgery    | SV Medical College, Tirupati | 16 <sup>th</sup> September 2014 – 15 <sup>th</sup> February 2015 | Surgical G.E Surg.Oncology CT Surgery |
| 94    | Dr K. Sandhya             |                |                              |  |                                       |
| 95    | Dr Mahammed Ghouse        |                |                              |  |                                       |
| 96    | Dr V.Dwarakanath Reddy    |                |                              |  |                                       |
| 97    | Dr Deepthi Vynayaki       |                |                              |  |                                       |
| 98    | Dr B.Gopi Krishna         |                |                              |  |                                       |
| 99    | Dr Raja Gopi Krishna      |                |                              |  |                                       |
| 100   | Dr Y.Mahesh Babu          |                |                              |  |                                       |
| 101   | Dr V.Srikanthik           |                |                              |  |                                       |
| 102   | Dr B.Chandra Sekhar Reddy |                |                              |  |                                       |
| 103   | Dr A.Madhu                | MS Gen.Surgery | PESIMSR Kuppam               | 03 <sup>rd</sup> November 2014 – 02 <sup>nd</sup> January 2015   | Surg.Oncology CT Surgery              |
| 104   | Dr K.Arunasree            |                |                              |  |                                       |
| 105   | Dr N. Dinakar             |                |                              |  |                                       |
| 106   | Dr K.A. Anudeep           |                |                              |  |                                       |

## 2.5 MBBS

| S.No. | Name                     | Institution                                      | Period of Posting  | Place of Posting      |
|-------|--------------------------|--|--|-----------------------|
| 107   | Dr Prajith Pasam         | Dr MGR Medical University, TN                    | 07 <sup>th</sup> January – 06 <sup>th</sup> September 2014 | Bioinformatics        |
| 108   | Dr Prema S. Sharma       | Maharashtra University of Health Sciences, Nasik | 01- 31 March 2014  | Medicine              |
| 109   | Dr A.P. Shyamala Madhavi | SV Medical College, Tirupati                     | 10- 24 May 2014  | Medicine              |
| 110   | Ms Uppati Sarvani        | Ohio State University, Columbus                  | 12 <sup>th</sup> May – 11 <sup>th</sup> June 2014          | Neurology             |
| 111   | Mr. Rajesh Paladugu      | University of South Alabama, USA                 | 12-26 July 2014  | Surgical GE Radiology |

## 2.6 Pharmacy Courses

| S.No. | Name                | Course     | Institution                    | Period of Posting                                       | Place of Posting |
|-------|---------------------|------------|--------------------------------|---|------------------|
| 112   | P.Rama Devi         | D.Pharmacy | SV Govt. Polytechnic, Tirupati | 16 <sup>th</sup> June – 15 <sup>th</sup> September 2014 | Pharmacy         |
| 113   | S.P.Hanumatha Reddy |            |                                |   |                  |
| 114   | S.Salman Shareef    |            |                                |   |                  |
| 115   | G.Alekha            | D.Pharmacy | SPW Polytechnic Tirupati       | 23 <sup>rd</sup> June – 22 <sup>nd</sup> September 2014 | Pharmacy         |
| 116   | M.Mounica           |            |                                |   |                  |
| 117   | M.Vidyanarani       |            |                                |   |                  |

The 2<sup>nd</sup> year students of Pharm D course, Sree Vidyaniketan College of Pharmacy, Rangampet, Chittoor Dt. were permitted for specialty training in the Dept. of Cardiology, Endocrinology & Medicine for a period of ten working days in each Dept. w.e.f 01/05/2014 to 04/06/2014. The students who undergone training are :

| S.No. | Name              | S.No. | Name                | S.No. | Name                  |
|-------|-------------------|-------|---------------------|-------|-----------------------|
| 118   | P.Alekhy          | 128   | G.N. Jagadeeshkumar | 138   | P.Pooja Reddy         |
| 119   | B.Banu Prakash    | 129   | A.Jahnavi           | 139   | M.Priyanka            |
| 120   | P.Bogeswara Reddy | 130   | A.Kumar             | 140   | K.Purushotham         |
| 121   | N.Chaitanya Kumar | 131   | S.Kush Nimron       | 141   | Ch.Sandhya            |
| 122   | P.Deepika         | 132   | N. Lakshmi Sowjanya | 142   | S.Sivaprasad          |
| 123   | T.Devi Priya      | 133   | P.Lalith Kumar      | 143   | G.Sreepriya           |
| 124   | T.Haritha         | 134   | S. Lokeswara Reddy  | 144   | G.Sreeveena           |
| 125   | Y.Haritha         | 135   | L.Mancesha          | 145   | G.Srisatya            |
| 126   | O.Havilah         | 136   | Y.Nagaraju          | 146   | B.Vishwas Vardhan Raj |
| 127   | K.Hima Deepika    | 137   | C.Pavithra          |       |                       |

### 2.7 BSc(N)

The 3<sup>rd</sup> year students of B.Sc(N), Sree Vidyaniketan College of Nursing, Tirupati were permitted for specialty training in the Dept. of Surgical Oncology, Medical Oncology & Radiation Oncology, Neurology & Neurosurgery for a period of one month w.e.f 01/03/2014 to 31/03/2014. The students who undergone training are :

| S.No. | Name                 | S.No. | Name              | S.No. | Name                 |
|-------|----------------------|-------|-------------------|-------|----------------------|
| 147   | Hanest Raj           | 159   | G.Sudha           | 171   | P.Navaneetha         |
| 148   | A.Mounika            | 160   | D.Anusha          | 172   | S.Anudeep            |
| 149   | A.Chandra Kala       | 161   | I.Vinod           | 173   | S.Himabindu          |
| 150   | A.Pavan Kumar        | 162   | J.Sreelatha       | 174   | S.Kadheer            |
| 151   | A.Jhansi             | 163   | K.Aswini          | 175   | Shaik Gousia         |
| 152   | B.Madhunisha         | 164   | K.Sachin          | 176   | Shaik Mahammad Afzal |
| 153   | B.Chinni             | 165   | K.Rajesh          | 177   | Shaik Razak          |
| 154   | B.Deepika            | 166   | K.Seshakumar      | 178   | Shameer Shaik        |
| 155   | B. Gunavathi         | 167   | K. Neelima        | 179   | T.Yamuna             |
| 156   | B.Sravanthi          | 168   | M.Vasundhara      | 180   | Y.Gangaraju          |
| 157   | C.Aswini             | 169   | NB.Leela Prasad   | 181   | J.Priyanka           |
| 158   | J.Venkata Chalapathi | 170   | N.Venugopal Naidu |       |                      |

The 3<sup>rd</sup> year students of B.Sc (N), Sri Padmavathamma Govt. College of Nursing, Tirupati were permitted for specialty training in the Dept. of Medical Oncology, Surgical Oncology & Radiation Oncology for a period of two months w.e.f 24/02/2014 to 28/04/2014. The students who undergone training are :

| S.No. | Name               | S.No. | Name            | S.No. | Name                     |
|-------|--------------------|-------|-----------------|-------|--------------------------|
| 182   | K.P.Rupavani       | 213   | G. Krishnaveni  | 244   | P.Sandhya Vardini Kumari |
| 183   | A.Iswarya          | 214   | G. Dhanalakshmi | 245   | P. Gowthami              |
| 184   | A.Anusha           | 215   | G. Eswaramma    | 246   | P. Pravalika             |
| 185   | A.Krishnaveni      | 216   | J. Madhavi      | 247   | P. Padmakala             |
| 186   | A.Surpraja         | 217   | K. Malleswari   | 248   | P.Prematha               |
| 187   | A.Sharnista Subash | 218   | K.Shoba         | 249   | R.Priya                  |



| S.No. | Name             | S.No. | Name           | S.No. | Name               |
|-------|------------------|-------|----------------|-------|--------------------|
| 188   | B.Revathi        | 219   | K. Sneha       | 250   | R.Manjula          |
| 189   | B.S.Meena        | 220   | K. Sumathi     | 251   | R.Swarna Latha Bai |
| 190   | B.Veheedra Banu  | 221   | K.Gayathri     | 252   | R.Puttamma         |
| 191   | P.Veena Kumari   | 222   | K. Suneetha    | 253   | R.Yamuna           |
| 192   | B.Jyothikalahari | 223   | K. Swapna      | 254   | S. Kalai Selvi     |
| 193   | B.Sivakumari     | 224   | K.Neelima      | 255   | S.Salamma          |
| 194   | B.Manju          | 225   | K.Sumalatha    | 256   | S.Shabana          |
| 195   | B.E.Krisnaveni   | 226   | K. Lavanya     | 257   | S.Afrojaha         |
| 196   | B.Meenakshi      | 227   | K. Varalakshmi | 258   | S.Fathima          |
| 197   | B.Madhurima      | 228   | K.Rajitha      | 259   | S.Jasmin           |
| 198   | C.Delli Rani     | 229   | K. Baby Rani   | 260   | S.Hemavathi        |
| 199   | C.B. Gayathri    | 230   | M. Madhavi     | 261   | T.Kumari           |
| 200   | C. Padma Kumari  | 231   | M. Sangeetha   | 262   | T.Pavithra         |
| 201   | C.Rishpa         | 232   | M.Gayathri     | 263   | T.N.Himabindu      |
| 202   | Ch.Madhavi       | 233   | M. Sravani     | 264   | T.R. Srilatha      |
| 203   | C.Sumathi        | 234   | M.Mamatha      | 265   | T.Renuka           |
| 204   | D.Deepa          | 235   | M.G. Nagaveni  | 266   | T.Meenakshi        |
| 205   | D. Tirumala Devi | 236   | N.Niranjani    | 267   | T.Tirumala         |
| 206   | D.Amani          | 237   | N. Radhamma    | 268   | V. Lavanya         |
| 207   | D.Rupakala       | 238   | P.Usha         | 269   | V. Priya           |
| 208   | D.Varalakshmi    | 239   | P.Saritha      | 270   | V.Gayathri Devi    |
| 209   | DY. Lavanya      | 240   | P. Mounika     | 271   | V.Sunitha          |
| 210   | E. Durga         | 241   | P. Roja        | 272   | Y.Sreegeetha       |
| 211   | V.Vinutha        | 242   | P.Jayasudha    | 273   | Y.Hymavathi        |
| 212   | G.Jyothi         | 243   | P.Kavitha      |       |                    |

## 2.8 General Nursing – Diploma

The 2<sup>nd</sup> year students of General Nursing – Diploma course, Sri Gnana Prasunambika School of Nursing, Srikalahasti were permitted for specialty training in the Dept. of Cardiology, Neurology, Surgical Oncology, Medical Oncology, Radiation Oncology, Nephrology, CT Surgery for a period of one month during July 2014. The students who have undergone training are :

| S.No. | Name          | S.No. | Name               | S.No. | Name              |
|-------|---------------|-------|--------------------|-------|-------------------|
| 274   | V.Anjali      | 283   | P.Latha            | 292   | A.Rekha           |
| 275   | M. Anithamma  | 284   | Sivalingam Lakshmi | 293   | C.Salma           |
| 276   | P.Bhushanamma | 285   | Settu. Lakshmi     | 294   | A.Saritha         |
| 277   | P.M.Chithra   | 286   | G.Leelavathi       | 295   | M.Sukanya         |
| 278   | K.Divya       | 287   | K.Mohana Priya     | 296   | N.Sankara Bhavani |
| 279   | T.Guravamma   | 288   | A.Neeraja          | 297   | K.Suvarshala      |
| 280   | C.Jayalakshmi | 289   | V.Nadiya           | 298   | V.Thriveni        |
| 281   | C.Kavitha     | 290   | S.Rajeswari        | 299   | C.Thulasi         |
| 282   | K.Kumari      | 291   | M.Rajani           |       |                   |

## 2.9 Alternative Medicine

| S.No. | Name              | Course | Institution                  | Period of Posting   | Place of Posting                   |
|-------|-------------------|--------|------------------------------|---------------------|------------------------------------|
| 300   | Dr E.Rupesh       | BAMS   | SV Ayurveda College Tirupati | 01-30 November 2014 | Emergency Medicine<br>Gen. Surgery |
| 301   | Dr Mustak Ahmed   |        |                              |                     |                                    |
| 302   | Dr P.Girish Kumar |        |                              |                     |                                    |

The students of BAMS Course , SV Ayurveda College, Tirupati were permitted as part of their internship in the Depts. of Emergency Medicine, Medicine & General Surgery for a period of ten days in each speciality(total 30 days) from December 2014 – August 2015. The students permitted are :

| S.No. | Name                 | S.No. | Name               | S.No. | Name          |
|-------|----------------------|-------|--------------------|-------|---------------|
| 303   | A. Rajya Lakshmi     | 312   | B. Ramesh          | 321   | M.M.Divya Sai |
| 304   | V. Deepthi           | 313   | P. Dileep Kumar    | 322   | S.Chandana    |
| 305   | G. Azeez             | 314   | S. Lakshmi Srujana | 323   | E.Deepthi     |
| 306   | K. Damodar           | 315   | N.Nikhanth         | 324   | Arifunnisa    |
| 307   | B. Chaitanya         | 316   | V. Vasavi          | 325   | T.Hema        |
| 308   | P. Gurubandhavi      | 317   | L. Divya           | 326   | P.Himabindu   |
| 309   | N. Hari Krishna      | 318   | K.Divyateja        | 327   | R.Umadevi     |
| 310   | M. Jayachandra Reddy | 319   | C. Praveena        | 328   | R.Pavani      |
| 311   | M. Preethi Sudhan    | 320   | K. Sruthi          |       |               |

## 2.10 Others (Paramedical, Life Sciences)

| S.No. | Name                | Course               | Institution  | Period of Posting  | Place of Posting        |
|-------|---------------------|----------------------|--|--|-------------------------|
| 329   | T. Chandra Sekhar   | MBA (H.R)            | Mahatma Gandhi College, Acharya Nagarjuna University | 02 <sup>nd</sup> January – 02 <sup>nd</sup> March 2014     | Hospital Administration |
| 330   | K. Sudheer Kumar    | M.Tech Biotechnology | SVEC, Rangampet                                      | 07 <sup>th</sup> January – 06 <sup>th</sup> September 2014 | Bioinformatics          |
| 331   | YCN. Vinay Kumar    | M.SC Biotechnology   | Andhra University                                    | 23 <sup>rd</sup> January – 22 <sup>nd</sup> March 2014     | Biotechnology           |
| 332   | Vishnu Priya        | B.Sc ASLP            | AYJNIHH, SRC Secunderabad                            | 12 <sup>th</sup> February – 30 <sup>th</sup> April 2014    | Neurology               |
| 333   | Goldie              |                      |  |  |                         |
| 334   | V. Naga Lakshmi     | M.Sc, BT & BI        | Yogi Vemana University, Kadapa                       | 28 <sup>th</sup> February – 30 <sup>th</sup> March 2014    | Bioinformatics          |
| 335   | G.Anusha            | M.Tech               | S.V.U. College of Science, Tirupati                  | 01-07 April 2014   | Biomedical Engineering  |
| 336   | K.Bharathi          |                      |  |  |                         |
|       | B.Renuka            |                      |  |  |                         |
| 337   | P.Sneha             |                      |  |  |                         |
| 338   | K.Priyanka          |                      |  |  |                         |
| 339   | G.B.Divya           |                      |  |  |                         |
| 340   | K.Lakshmi Sumangali |                      |  |  |                         |
| 341   | M.Sravani           |                      |  |  |                         |
| 342   | Y.Gayathri          |                      |  |  |                         |

| S.No. | Name                  | Course                        | Institution                  | Period of Posting  | Place of Posting        |
|-------|-----------------------|-------------------------------|------------------------------|--|-------------------------|
| 343   | R.Saradabai           |                               |                              |  |                         |
| 344   | Kiranmayee            |                               |                              |  |                         |
| 345   | D.V.Ramasatya Lakshmi |                               |                              |  |                         |
| 346   | B.Haritha             |                               |                              |  |                         |
| 347   | N.Kalpana             |                               |                              |  |                         |
| 348   | N.Reddi Kireeti       | B.E Biomedical                | AVIT College, Mahabalipuram  | 02-14 June 2014  | Biomedical Engineering. |
| 349   | Jalaja Anapalli       | B.Tech, Genetic Engineering   | SRM University TN            | 16-30 June 2014  | Biotechnology           |
| 350   | Jabeen                | B.Sc (ASLP)                   | AYJNIHH, SRC Secunderabad    | 01 <sup>st</sup> July – 30 <sup>th</sup> August 2014       | Neurology               |
| 351   | Vishala               |                               |                              |  |                         |
| 352   | Ch.Anusha             | MSW                           | SPMVV, Tirupati              | July 2014 – March 2015                                     | Nephrology              |
| 353   | A. Venkamma           |                               |                              |  |                         |
| 354   | P. Priyanka           | DMLT                          | SV Medical College Tirupati  | 17 <sup>th</sup> July – 16 <sup>th</sup> October 2014      | Microbiology            |
| 355   | A.Rajya Lakshmi       | MBA (HR)                      | SV University Tirupati       | 18 <sup>th</sup> August – 01 <sup>st</sup> November 2014   | Public Relations        |
| 356   | G.V.Gitanjali         | PGDMLT                        | SVIMS Tirupati               | 29-30 August – 2014  | Pathology               |
| 357   | Yeshodha              | B.Sc (ASLP)                   | AYJNIHH, SRC Secunderabad    | 01 <sup>st</sup> September – 30 <sup>th</sup> October 2014 | Neurology               |
| 358   | Sneharika             |                               |                              |  |                         |
| 359   | P. Priyanka           | DMLT                          | SV Medical College, Tirupati | 8 <sup>th</sup> November - 7 <sup>th</sup> February 2015   | Microbiology            |
| 360   | M. Subhashini         | M.Sc Food Science & Nutrition | SV University Tirupati       | 20 <sup>th</sup> November 2014                             | Endocrinology           |
| 361   | P. Suresh             |                               |                              |  |                         |
| 362   | D. Prasanna           |                               |                              |  |                         |
| 363   | B. Hima               |                               |                              |  |                         |
| 364   | K. Lakshmi Devi       |                               |                              |  |                         |
| 365   | G. Chandrakala        |                               |                              |  |                         |
| 366   | S. Dhanalakshmi       |                               |                              |  |                         |
| 367   | C. Anitha             |                               |                              |  |                         |

Nine students of Diploma in Medical Records Science from Belgaum Institute of Medical Sciences, Belgaum visited the Medical Records Department of the institute on 14<sup>th</sup> July 2014





III Conferences / Workshops /  
CMEs / Clinical meetings /  
Clinico - Pathological correlation



### III. Conferences /Workshops / CMEs / Clinical meetings / Clinico Pathological Correlation

#### 1.0 Conferences

1. 21<sup>st</sup> Annual State Conference APNEURO CON-2014 was organized during 20 – 22 June 2014 jointly by the departments of Neurology and Neurosurgery, SVIMS. The A.P. Medical council granted eight (8) credit hours for conduct of work shops namely – Approach to eye moments - 2 credit hours, Minimal Invasive Spine Surgery- 2 credit hours and Annual Conference - 4 credit hours.



2. 21<sup>st</sup> Annual National Conference of Indian College of Cardiology (ICCCON-2014) was organized during 19 – 21 September 2014 by the department of Cardiology, SVIMS. The conference was inaugurated by Dr K. Srinivas, Hon'ble Minister for Health and Medical Education, Govt. of A.P. Also present were Dr Pratap C Reddy, Chairman, Apollo Group of Hospitals. The A.P. Medical Council granted five (5) credit hours for conduct the conference.



3. 22<sup>nd</sup> Annual National Conference of Association of Medical Biochemists of India (AMBICON-2014) was organized during 13-16 November 2014 by the Department of Biochemistry, SVIMS. The A.P. Medical Council granted thirteen (13) Credit hours for various programmes as follows: conduct of Pre-conference-2 hours, Pre-conference workshops on Immunoassay Techniques: ELISA, RIA, Chemiluminescence -2 hours, Research methodology and biostatistics – 2 hours, Polymerase chain reaction-2 hours and for conduct of National conference- 5 credit hours.



4. "Physio SVIMS 2014", a National conference on recent trends in physiotherapy was organized by College of Physiotherapy during 19 - 20 December 2014. The Hon'ble Minister for Environment & Forests, Science & Technology, Cooperation, Govt. of Andhra Pradesh Sri B. Gopalakrishna Reddy, attended as Chief guest.



5. 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy of Tropical Parasitology organized by the Department of Microbiology on the topic “Immunology of Parasitic Infections” during 19 - 20 December 2014. Dr S.C.Pariza, Prof. & HoD of Microbiology, JIPMER, Pondicherry participated. The A.P. Medical Council granted four (4) credit hours for conduct of Pre-conference-1 hour, Pre-conference workshop namely Molecular Diagnosis of Parasitic Infections -1 hour and for conduct of Conference- 2 hours.



## 2.0 Workshops

1. The Department of Cardiology organized Eight Workshops on Radio Frequency Ablation on 11<sup>th</sup> January, 15<sup>th</sup> February, 22<sup>nd</sup> March, 14<sup>th</sup> June, 12<sup>th</sup> July, 23<sup>rd</sup> August, 11<sup>th</sup> October, 22<sup>nd</sup> November in which poor patients were treated, free of cost under the guidance of Dr Yogesh Kothari, Electro physiologist, Bangalore.



2. The department of Pathology organized a workshop on “Special stains” on 14 - 15 February 2014.



3. The Department of Pathology organized a workshop on “Medical education training: basics in medical, education training, curriculum development, teaching tools assessment – method, PBL” on 27<sup>th</sup> July 2014. Dr C.H. Ravi Venkatachalam, Co-ordinator, AMC, Visakhapatnam; Dr Minnie Faith, Professor of Biochemistry, CMCH, Vellore participated.





4. The Department of CT Surgery organized a workshop on Medical thoracoscopy and VATS hands-on-wetlab on 23.08.2014. Dr Sai Yendamuri, Citizens Hospital, Hyderabad Course Director, Mr. Nayan Ahuwalia, Product Manager – CTS & AIDA, India & sub continent, KARL STORZ Endoscopy India (P) Ltd, Dr Vijaya Kumar, Interventional Pulmonologist, Citizens Hospital, Hyderabad participated.



- 6 The Department of Cardiology organized a work shop on ASD device closure during 21-22 December 2014 under the guidance of Dr Bhaveshkumar Mahendre Bhai Thakkar, Ahmedabad.



5. The Department of Nephrology organized a "PD College Programme" on 25<sup>th</sup> October 2014. Dr K.V.Dakshina Murthy, Senior Nephrologist, NIMS, Hyderabad, Dr George Abraham, CMCH, Vellore participated.



### 3.0 CME PROGRAMMES

CME Programmes are organized by the departments regularly on the first Saturday of each month. The programs conducted for the year 2014 are furnished below:

| S. No. | Date  | Topic   | Speaker   | Organizing Department        |
|--------|---|---|---|------------------------------|
| 1      | 08.02.2014  | Role of PET – CT in Head and neck cancer  | Dr Nilendu Purandare<br>Sr. Consultant, Dept. of Nuclear Medicine and Tata Memorial Hospital, Mumbai. | Radiology & Nuclear Medicine |
|        |   | Paediatric Neuro infections   | Dr Khandelwal,<br>Head, Dept. of Radiology, PGIMER, Chandigarh.                                       |                              |
| 2      | 07.03.2014  | Biomarkers in Pulmonary Thromboembolism   | Dr B.S. Praveen Kumar,<br>Asst. Professor of Cardiology, SVIMS.                                       | Cardiology                   |
|        |   | Emerging biomarkers in acute coronary syndrome  | Dr C. Santosh Kumar,<br>Asst. Professor of Cardiology, SVIMS.   |                              |
|        |   | Point of care testing for cardiac biomarkers in the ED : A blueprint for implementation | Dr U. Venkateswara Rao,<br>Asst. Professor of Cardiology, SVIMS.                                      |                              |
|        |   | The usefulness of high sensitivity troponin in acute coronary syndrome                  | Dr D. Sarath Babu,<br>Asst. Professor of Cardiology, SVIMS.   |                              |
| 3      | 24.04.2014  | <b>Metabolic Syndrome</b>   |   | Biochemistry & Endocrinology |
|        |   | The Journey to metabolic syndrome   | Dr M.M. Suchitra,<br>Assoc. Prof. of Biochemistry, SVIMS.   |                              |
|        |   | Metabolic syndrome and infertility  | Dr G. Rajagopal,<br>Asst. Prof of Endocrinology, Shanthi Ram Medical College, Nandyal.                |                              |
|        |   | Current concepts in management and prevention of metabolic syndrome                     | Dr P.Amaresh Reddy,<br>Assoc. Prof. Endocrinology, Narayana Medical College, Nellore.                 |                              |
|        | Two(2) Credit hours were sanctioned by Andhra Pradesh Medical Council for the participants. |   |   |                              |
| 4      | 03.05.2014  | Urological complications in Renal Transplantation                                       | Dr P. Suryaprakash,<br>Professor of Urology, Narayana Medical College, Nellore.                       | Nephrology & Urology         |
|        |   | <b>Sepsis and Kidney</b>  |   |                              |
|        |   | Sepsis definition and pathogenesis  | Dr G. Aparna,<br>Asst. Professor of Nephrology, SVIMS.  |                              |
|        |   | Acute kidney injury in sepsis   | Dr A.V.S.S.N. Sridhar,<br>Asst. Professor of Nephrology, SVIMS.                                       |                              |

|   |   |   |   |                 |
|---|---|---|---|-----------------|
|   |   | Endotoxin removal through extra corporeal systems   | Dr A. Srinivasa Murthy, Prof and Head of Nephrology, NRI Cont. Hospital, Hyderabad. |                 |
| 5 | 07.09.2014 & 08.09.2014   | <b>Balaji Anaesthesia Postgraduate Update (BAPU 2014)</b>                                     |   | Anaesthesiology |
|   |   | <b>07.09.14</b>   |   |                 |
|   |   | Basic & clinical research in Medicine   | Dr G.S. Umamaheswar Rao, NIMHANS, Bangalore.  |                 |
|   |   | Anaesthesia for fetal surgeries   | Dr Sowbhagyalaxmi, Kakinada.  |                 |
|   |   | Paediatric neuraxial blockade   | Dr Sunil Kumar, Nilofer, Hyderabad.   |                 |
|   |   | Management of paediatric patients for liver transplant  | Dr Surjya Kanta Mohanty, Bangalore.   |                 |
|   |   | Anaesthetic considerations for octagenerian   | Dr Ramesh Samantaray, S.C.B. Cuttack.   |                 |
|   |   | Anaesthetic management of patients with valvular heart disease coming for non-cardiac surgery | Dr Mahesh Vakamudi, SRMC, Chennai.  |                 |
|   |   | Antibiotic policy in ICU  | Dr Subhasini, NRI Hospital, Hyd.  |                 |
|   |   | Anaesthesia & Xenon   | Dr Narashima Reddy, Nellore.  |                 |
|   |   | Perioperative arrhythmia management   | Dr Bala Bhaskar, Editor, KJA.   |                 |
|   |   | Cardiac Anaesthesia: Recent advances  | Dr Gopinath, NIMS, Hyderabad.   |                 |
|   |   | Two(2) Credit hours were sanctioned by Andhra Pradesh Medical Council for the participants    |   |                 |
|   | <b>08.09.14</b>   |   | Anaesthesiology   |                 |
|   | Applied Physics for Anaesthesiologist   | Dr P. Surender, Professor (Retd.), Hyderabad.   |   |                 |
|   | Recent advances in intravenous fluids   | Dr Y. Ashok, Dr, PSIMS & RF, Vijayawada.  |   |                 |
|   | Non Invasive ventilation in ICU   | Dr Pankaj Kundra, JIPMER, Pondicherry.  |   |                 |
|   | Anaesthetic concerns of video assisted thoracoscopy                               | Dr Ashok Badhe, JIPMER, Pondichery.   |   |                 |
|   | Anaesthesia for Dental Procedures   | Dr Raghuram, Osmania Medical College, Hyderabad.  |   |                 |
|   | Desflurane – New Evidences on 3 <sup>rd</sup> Generation Inhalational anaesthesia | Dr Vidya Mohan Ram, Sr. Consultant & Head, Fortis Malar Hospital, Chennai                     |   |                 |



|  |  |  |   |   |
|--|--|--|---|---|
| 6  |  | Ventricular Assist Devices   | Dr Kanchi Muralidhar,<br>Narayana Hrudayala, Bangalore  |   |
|  | Two Credit hours were sanctioned by Andhra Pradesh Medical Council for the participants. |  |   |   |
|  | 22.09.2014   | Peripheral arterial occlusive disease(PAOD) and grafts and conduits available in the vascular armentarium: |   | CT Surgery  |
|  |  | Disease pattern and management of the PAOD   | Dr Abha Chandra<br>Prof. & Head<br>Dept. of CT Surgery<br>SVIMS.  |   |
|  |  | Various surgical techniques for management of PAOD   |   |   |
| Different grafts available for the procedures – advantages and uses                      |  |  |   |   |
| 7  | 11.10.2014   | Rational use of blood components   | Dr (Prof.) R.N. Makroo,<br>Director & Senior Consultant, Dept. of Transfusion Medicine, Indraprastha Apollo Hospitals, New Delhi. | Immuno<br>Haematology &<br>Blood<br>Transfusion<br>Medicine |
|  |  | Complications of blood transfusion   | Dr Arumugam, Professor & Head, Dept. of Transfusion Medicine, Dr MGR Medical University, Chennai.                                 |   |
|  | One Credit hour was sanctioned by Andhra Pradesh Medical Council for the participants.   |  |   |   |
|  | 8  | 26.10.2014   | CNS Infections, “Is there a light at the end of the tunnel”   | Dr S.K. Shankar,<br>NIMHANS, Bangalore                      |
| Microbiological aspects of CNS infections  |  |  | Dr D.S. Murthy,<br>Osmania Medical College, Hyderabad   |   |
| Molecular technology to diagnose CNS infections  |  |  | Dr B.V. Ravi Kumar,<br>Managing Director, XCyton, Bangalore   |   |
| Two Credit hours were sanctioned by Andhra Pradesh Medical Council for the participants. |  |  |   |   |
| 01.11.2014   |  | Pediatric Oncology   |   |   |
|  | Bone tumors  |  | Dr Kathiresan,<br>Cancer Institute, Adyar   |   |
|  | Wilms tumor & retinoblastoma   |  | Dr Venkatraman,<br>Cancer Institute, Adyar  |   |
|  | BMT in Pediatric leukemias   |  | Dr Krishna Ratnam,<br>Cancer Institute, Adyar   |   |
| 9  | 06.12.2014   | Clinical diagnosis of virological disease with special reference to Ebola Virus                            |   | Biotechnology &<br>Bioinformatics                           |

|  |            |  |   |  |
|--|------------|--|---|--|
|  |            | Basics of viruses, mode of infection with special references to Ebola virus                              | Dr Abhijit Chaudary,<br>Professor & HoD<br>of Microbiology,<br>SVIMS, Tirupati.   |  |
|  |            | Viral diagnostics, vaccines and the present scenario   | Prof. D.V.R. Sai Gopal,<br>Dept. of Virology,<br>S.V. University, Tirupati.       |  |
|  |            | Clinical aspects of Ebola virus  | Dr Alladi Mohan,<br>Professor & HoD,<br>Dept. of Medicine,<br>SVIMS, Tirupati.    |  |
|  |            | Drug Design for viral diseases   | Dr A. Umamaheswari,<br>Assoc. Professor of<br>Bioinformatics, SVIMS,<br>Tirupati. |  |
| 10   | 19.12.2014 | <b>1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy of Tropical Parasitology</b> |   |  |
|  |            | Immunological diagnosis of parasitic infections  | Dr Abhijit Chaudary,<br>Professor & HoD of<br>Microbiology,<br>SVIMS, Tirupati.   |  |
|  |            | Molecular diagnosis of parasitic infections  | Dr Usha Kalawat,<br>Assoc. Professor of<br>Microbiology, SVIMS,<br>Tirupati.      |  |
|  |            | Newer modalities in diagnosis of parasitic infections  | Dr K.K. Sharma,<br>Assoc. Professor of<br>Microbiology, SVIMS,<br>Tirupati.       |  |
| One Credit hour was sanctioned by Andhra Pradesh Medical Council for the participants. |            |  |   |  |

Microbiology



*A CME was organized jointly by the Departments of Radiology and Nuclear Medicine on 08.02.2014 .*



*A CME was organized by the College of Nursing on 11.07.2014.*



*A CME was organized jointly by the Departments of Biochemistry & Endocrinology on 24.04.2014*



*A CME was organized jointly by the Departments of Nephrology & Urology on 03.05.2014*

*The Department of Anaesthesiology organized a National Level two day CME – “Balaji Anaesthesia Postgraduate Update (BAPU)” during 7-8 September 2014. Sri. M.G.Gopal, E.O, TTD is seen lighting the lamp and Dr V.S.R. Anjaneyulu, Professor of Anaesthesiology was felicitated*





*A CME was organized by the Department of CT Surgery on 22.09.2014*



*A CME was organized jointly by the Departments of Radiotherapy, Medical and Surgical Oncology on 01.11.2014*



*A CME was organized by the Department of Immuno Hematology and Blood Transfusion on 11.10.2014.*



*A CME was organized jointly by the Departments of Biotechnology and Bioinformatics on 06.12.2014*



*A CME was organized by the Departments of Microbiology & Pathology on 26.10.2014*

## 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 2014 are furnished below:

| S No | Date                   | Research presentation (Saturday) /<br>Case presentation (Thursday)  |                          | Spotters Presentation (Saturday) /<br>Capsule on an investigation (Thursday) |                                       |                        |                  |
|------|------------------------|---|--------------------------|--|---------------------------------------|------------------------|------------------|
|      |                        | Topic   | Speaker                  | Department   | Topic                                 | Speaker                | Department       |
| 01.  | 02-01-2014<br>Thursday | Pediatric renal trauma  | Dr A. Ganesh             | Urology  | Alveolar – arterial oxygen gradient   | Dr P. Sumanth Reddy    | Medicine         |
| 02.  | 04-01-2014<br>Saturday | Retrospective study on breast conservation therapy – SVIMS experience   | Dr B. Sreenivasa Rao     | Radiotherapy   | Spotter                               | Dr Sumanth Kumar       | Hematology       |
| 03.  | 9-01-2014<br>Thursday  | Awake CABG under epidural anaesthesia   | Dr K. Vinay              | Anaesthesiology  | Grams stain                           | Dr G. Nibhandhana      | Microbiology     |
| 04.  | 11-01-2014<br>Saturday | A study to assess the effectiveness of platelet therapy in patients with thrombocytopenia   | Dr K. Sindhuja           | IHBT   | Spotter                               | Dr P.S.S. Sai Neelima  | Medicine         |
| 05.  | 16-01-2014<br>Thursday | Yolk sac tumor of the ovary: role of tumor markers  | Dr M. Prasanth           | Biochemistry   | Capsule on investigation              | Dr Sumanth Kumar       | Hematology       |
| 06.  | 18-01-2014<br>Saturday | Emphysematous pyelonephritis : conservative management  | Dr A. Ramprasad Reddy    | Urology  | Spotter                               | Dr Usha Kalawat        | Microbiology     |
| 07.  | 23-01-2014<br>Thursday | Rupture of left sinus of valsalva aneurysm into main pulmonary artery with two communications   | Dr A. Vamsidhar          | Cardiology   | 18-F Sodium fluoride bone scan        | Dr M. Ranadheer Gupta  | Nuclear Medicine |
| 08.  | 30-01-2014<br>Thursday | An interesting case   | Dr P. Harikrishna Murthy | CT Surgery   | Uroflowmetry                          | Dr K.V. Bhargava Reddy | Urology          |
| 09.  | 01-02-2014<br>Saturday | Comparison of bacterial colonization of central venous catheters introduced through two different routes in respiratory intensive care unit | Dr Ch. Suresh Kumar      | Anaesthesiology  | Spotter                               | Dr P. Sandeep          | Nephrology       |
| 10.  | 06-02-2014<br>Thursday | Complete androgen insensitivity syndrome  | Dr Ch. Srinivasa Rao     | Endocrinology  | Light transmission aggregometry (LTA) | Dr G. Deepthi Krishna  | IHBT             |
| 11.  | 08-02-2014<br>Saturday | Clinical utility of salivary parameters in diagnosis and monitoring of renal failure  | Dr Y. Naresh             | Biochemistry   | S potter                              | Dr D. Dayakar          | Neurology        |

|     |                        |  |  |                 |  |                            |                      |
|-----|------------------------|--|--|-----------------|--|----------------------------|----------------------|
| 12. | 13-02-2014<br>Thursday | Corrosive stricture esophagus  | Dr A. Dinakar<br>Reddy                     | Surgical GE     | Visual inspection<br>with acetic acid<br>(via), cervical<br>cancer screening | Dr K.V.L. Anusha           | Radiotherapy         |
| 13. | 15-02-2014<br>Saturday | Plasma NT PRO BNP levels as a<br>marker of adequacy of<br>valvotomy in patients with<br>rheumatic mitral stenosis  | Dr K.P.<br>Ranganayakulu                   | Cardiology      | Spotter  | Dr M.A. Ameen              | Neuro<br>Surgery     |
| 14. | 20-02-2014<br>Thursday | Arterio – Venous, malformation   | Dr Nagesh<br>Kumar                         | General Surgery | MRI Perfusion in<br>brain  | Dr Sreeshma                | Radio<br>Diagnosis   |
| 15. | 27-02-2014<br>Thursday | A case of DVT  | Dr Sumanth<br>Kumar                        | Haematology     | Capsule on<br>investigation - roll   | Dr Revanth                 | Surgical<br>Oncology |
| 16. | 01-03-2014<br>Saturday | Prospective randomized study<br>comparing billroth II with Braun<br>anastomosis versus Roux-en-y<br>reconstruction after radical distal<br>subtotal gastrectomy of gastric<br>cancer | Dr K. Radha<br>Krishna                     | Surgical GE     | Spotter  | Dr Manishi L.<br>Narayan   | Nuclear<br>Medicine  |
| 17. | 06-03-2014<br>Thursday | Case presentation  | Dr P.S.S. Sai<br>Neelima                   | Medicine        | Serum PSA  | Dr R.G.<br>Balambika       | Medical<br>Oncology  |
| 18. | 08-03-2014<br>Saturday | Definitive treatment of toxic<br>goitre  | Dr Ch. Srinivasa<br>Rao<br>Dr S. Sangeetha | Endocrinology   | Spotter  | Dr Ananth pai              | Medical<br>Oncology  |
| 19. | 13-03-2014<br>Thursday | Microbiological aspects of<br>peritonitis associated with CAPD   | Dr Anjuverma                               | Microbiology    | Ambulatory BP<br>monitoring  | Dr P. Vasudeva<br>Chetty   | Cardiology           |
| 20. | 15-03-2014<br>Saturday | Morphogenic protein expression<br>of the calcific mitral valve<br>stenosis in patients with<br>rheumatic heart disease   | Dr Abha<br>Chandra<br>Dr P.V.G.K.<br>Sarma | C T Surgery     | Spotter  | Dr H. Narendra             | Surgical<br>Oncology |
| 21. | 20-03-2014<br>Thursday | Atenolol and amlodipine<br>combination overdose managed<br>with continuous venovenous<br>hemodiafiltration   | Dr V. Chaitanya                            | Nephrology      | Immunohistochemi<br>stry   | Dr S.V.R. Raja<br>Sekhar   | Pathology            |
| 22. | 22-03-2014<br>Saturday | Islet autoimmunity and type 2<br>diabetes mellitus   | Dr M. Arun                                 | Endocrinology   | Spotter  | Dr Rashmi<br>Patnayak      | Pathology            |
| 23. | 27-03-2014<br>Thursday | Disseminated cysticercosis   | Dr D. Dayakar                              | Neurology       | Peritoneal<br>scintigraphy   | Dr B. Sangeetha<br>Lakshmi | Nephrology           |
| 24. | 03-04-2014<br>Thursday | Trans thoracic discectomy  | Dr K.<br>Pundarikakshaiah                  | Neurosurgery    | Decrement<br>response  | Dr P. Nataraja             | Neurology            |



|    |                        |  |                        |                   |   |                             |                                    |
|----|------------------------|--|------------------------|-------------------|---|-----------------------------|------------------------------------|
| 25 | 05-04-2014<br>Saturday | Alteration of glycated hemoglobin in hypothyroidism  | Dr P. Sailaja          | Endocrinology     | Spotter   | Dr S. Sarala                | Radio Diagnosis                    |
| 26 | 10-04-2014<br>Thursday | Diagnostic & therapeutic use of <sup>131</sup> I - MIBG  | Dr Ravishwar Narayan   | Nuclear medicine  | Homocysteine  | Dr P. Swathi                | Biochemistry                       |
| 27 | 12-4-2014<br>Thursday  | Research presentation  | Dr N. Sowgandhi        | Medicine          | Spotter   | Dr Pranabandhu Das          | Radiotherapy                       |
| 28 | 17-4-2014<br>Thursday  | Cancer therapy from generalized to personalized medicine   | Dr D. Bhargavi         | Medical Oncology  | Trephine  | Dr B.V. Ravikumar           | Neurosurgery                       |
| 29 | 19-4-2014<br>Saturday  | Use of polymerase chain reaction in the early diagnosis of leptospirosis                                     | Mrs. P. Madhavi Latha  | Microbiology      | Spotter   | Dr K.V. Sreedhar Babu       | IHBT                               |
| 30 | 24-4-2014<br>Thursday  | Oral defects reconstruction with free flaps  | Dr Sivanath Reddy      | Surgical Oncology | ERCP  | Dr Y. Sreekantha Reddy      | Surgical GE                        |
| 31 | 01-5-2014<br>Thursday  | Sub cutaneous phaeohyphomycosis in a post renal transplant patient – A case report                           | Dr C. Sushma           | Pathology         | Flexible optic bronchoscopy   | Dr N. Ashok                 | CT Surgery                         |
| 32 | 03-5-2014<br>Saturday  | Technique to prevent migration of peritoneal dialysis catheter   | Dr B. Varalakshmi Devi | Nephrology        | Spotter   | Dr P. Satish Babu           | Urology                            |
| 33 | 08-5-2014<br>Thursday  | A case of spinal cord infarction   | Dr Ch. Anil            | Radio Diagnosis   | -   | -                           | -                                  |
| 34 | 10-5-2014<br>Saturday  | Etiology, clinical manifestations, radiological findings and outcome of stroke in young: A prospective study | Dr M. Naga Suresh      | Neurology         | Spotter   | Dr S. Shameem               | Anaesthesiology                    |
| 35 | 15-5-2014<br>Thursday  | Dual Malignancy  | Dr K. Jaya Saree       | Radiotherapy      | Invasive Monitoring of Blood pressure                                     | Dr S.M. Nayyara Banu        | Anaesthesiology                    |
| 36 | 17-5-2014<br>Saturday  | Outcome & management of spinal tuberculosis according to severity  | Dr M.A. Ameen          | Neurosurgery      | Spotter   | Dr M. Prasanth              | Biochemistry                       |
| 37 | 22-5-2014<br>Thursday  | Severe thrombocytopenia – not responding to platelet transfusion – a case report                             | Dr G. Deepthi Krishna  | IHBT              | GnRH Stimulation Test (Medical education sensitization programme) Spotter | Dr P. Shalini<br>Dr R. Arun | Endocrinology<br>Medical Education |
| 38 | 24-5-2014<br>Saturday  | Radionuclide renography in evaluation of Renal transplant SVIMS experience                                   | Dr M. Ranadheer Gupta  | Nuclear Medicine  |   | Dr A. Ravikanth             | Cardiology                         |

|    |                        |   |                           |                      |   |                                  |                               |
|----|------------------------|---|---------------------------|----------------------|---|----------------------------------|-------------------------------|
| 39 | 29-5-2014<br>Thursday  | Malakoplakia  | Dr P. Vasanth<br>Rao      | Urology              | Schirmer's Test   | Dr P. Sumanth<br>Reddy           | Medicine                      |
| 40 | 05-6-2014<br>Thursday  | Anaesthetic management of patient with Parkinson's disease posted for thyroid surgery                                 | Dr T. Rajasekhar          | Anaesthesiology      | Motility Test   | Dr Anju Verma                    | Microbiology                  |
| 41 | 07-6-2014<br>Saturday  | Uncommon presentations of Ewing's Sarcoma our institutional experience  | Dr A. Vindhya<br>vasini   | Medical<br>Oncology  | Spotter   | Dr P. Hari<br>Krishna Murthy     | C T Surgery                   |
| 42 | 12-6-2014<br>Thursday  | Case Report – Hepatoblastoma  | Dr Y. Naresh              | Biochemistry         | D – Dimer Test  | Dr M. Sumanth<br>Kumar           | Haematology                   |
| 43 | 14-06-2014<br>Saturday | PET – CT in staging and response assessment of locally advanced breast cancer – initial experience from our institute | Dr G.V. Sivanath<br>Reddy | Surgical<br>Oncology | Spotter   | Dr E. Sunil                      | Endocrinology &<br>Metabolism |
| 44 | 19-06-2014<br>Thursday | CRT – D   | Dr K. Naresh              | Cardiology           | Assessment of<br>myocardial<br>viability using<br>18- F FDG<br>PET - CT | Dr Ravishwar<br>Narayan          | Nuclear Medicine              |
| 45 | 21-06-2014<br>Saturday | Histopathologic study of salivary gland tumors – experience at a tertiary care research institute                     | Dr M. Alekhya             | Pathology            | Spotter   | Dr A. Dinakar<br>Reddy           | Surgical GE                   |
| 46 | 26-6-2014<br>Thursday  | Case of Congenital heart disease  | Dr Harivadan<br>lukka     | C T Surgery          | Cystoscopy  | Dr K. Venkat<br>Reddy            | Urology                       |
| 47 | 03-07-2014<br>Thursday | Pituitary apoplexy in pregnancy   | Dr S. Sangeetha           | Endocrinology        | Complement<br>dependent micro<br>lymphocyto<br>toxicity assay           | Dr K. Sindhuja                   | IHBT                          |
| 48 | 05-07-2014<br>Saturday | MRI in the diagnosis and pre operative classification of peri anal and anal fistulas                                  | Dr Supraja                | Radio-<br>diagnosis  | Spotter   | Dr S. Nagesh<br>Kumar            | General Surgery               |
| 49 | 10-07-2014<br>Thursday | Surgery for ulcerative colitis  | Dr A. Dinakar<br>Reddy    | Surgical GE          | Colposcopy  | Dr Jaya sree                     | Radiotherapy                  |
| 50 | 12-07-2014<br>Saturday | Impact of neo adjuvant radiotherapy in locally advanced carcinoma rectum  | Dr P. Archana             | Radiotherapy         | Spotter   | Dr Sumanth<br>Kumar<br>Marthyaya | Haematology                   |
| 51 | 17-7-2014<br>Thursday  | Case of parathyroid neoplasm  | Dr Y.<br>Mutheswaraiiah   | General<br>Surgery   | MR imaging of<br>breast   | Dr Khaja<br>Naseeruddin          | Radio-diagnosis               |

|    |                        |  |                            |                  |   |                      |                   |
|----|------------------------|--|----------------------------|------------------|---|----------------------|-------------------|
| 52 | 19-07-2014<br>Saturday | Prevalence of "unexpected antibodies" in the antenatal women attending the Govt. Maternity Hospital, Tirupati        | Dr B. Suresh Babu          | IHBT             | spotter                                 | Dr B. Raga Deepthi   | Medicine          |
| 53 | 24-07-2014<br>Thursday | A case of polycythemia   | Dr Sumanth Kumar Marthyaya | Haematology      | Mediastinoscopy                         | Dr N. Ramana Reddy   | Surgical Oncology |
| 54 | 31-07-2014<br>Thursday | Case Presentation  | Dr V. Arun Raja            | Medicine         | BRCA Testing                            | Dr Ananth Pai        | Medical Oncology  |
| 55 | 02-08-2014<br>Saturday | Efficacy of silodosin in the management of patients in acute urinary retention due to benign hyperplasia of prostate | Dr G. Bhavani Shankar      | Urology          | Spotter                                 | Dr Abhijit Chaudhury | Microbiology      |
| 56 | 07-08-2014<br>Thursday | Some older antibiotics revisited   | Dr Anjuverma               | Microbiology     | Platelet aggregation inhibition Testing | Dr A. Vamsidhar      | Cardiology        |
| 57 | 09-08-2014<br>Saturday | Comparison of pain on injection of newer formulation propofol and standard propofol with added lignocaine            | Dr K. Aditya               | Anaesthesiology  | Spotter                                 | Dr P. Sandeep        | Nephrology        |
| 58 | 14-08-2014<br>Thursday | Carbamazepine poisoning  | Dr B. Sangeetha Lakshmi    | Nephrology       | Flowcytometry                           | Dr C. Sushma         | Pathology         |
| 59 | 16-08-2014<br>Saturday | Glucose intolerance, insulin resistance and lipid profile in Polycystic Ovary Syndrome (PCOS) women                  | Dr P. Swathi               | Biochemistry     | Spotter                                 | Dr J. Dushyanth Babu | Neurology         |
| 60 | 21-08-2014<br>Thursday | Huntingtons disease  | Dr S.V. Naveen Prasad      | Neurology        | Osmolal Gap                             | Dr V. Chaitanya      | Nephrology        |
| 61 | 23-08-2014<br>Saturday | The prognostic significance of nt - Pro BNP, 3D LA Volume, LV dyssynchrony in patients / undergoing Primary PCI      | Dr C. Sivasankara          | Cardiology       | Spotter                                 | Dr V. Balabalaji     | Neurosurgery      |
| 62 | 28-08-2014<br>Thursday | Spinal Dysraphism  | Dr K. Pundarikakshaiah     | Neurosurgery     | Blink Reflex                            | Dr V.N. Madhava Rao  | Neurology         |
| 63 | 04-09-2014<br>Thursday | Unusual metastasis in a case of carcinoma breast   | Dr V. Sai Krishna Mohan    | Nuclear Medicine | Serum Amylase                           | Dr M. Prasanth       | Biochemistry      |



|    |                          |   |                         |                   |  |                           |                   |
|----|--------------------------|---|-------------------------|-------------------|--|---------------------------|-------------------|
| 64 | 06-09-2014<br>Saturday   | Role of amino acids as cardio protective solution – a study   | Dr V.N. Durga Prasad    | CT Surgery        | Spotter  | Dr M. Ranadheer Gupta     | Nuclear Medicine  |
| 65 | 11-09-2014<br>Thursday   | Gaining quality life years with novel therapy in advanced renal cell carcinoma  | Dr R.G. Balambika       | Medical Oncology  | Intra operative neuromonitoring in spine deformity surgery | Dr Ch. Siva Subramanyam   | Neurosurgery      |
| 66 | 13-09-2014<br>Saturday   | Our experience with incisional hernia repair  | Dr S. Nagesh Kumar      | General Surgery   | Spotter  | Dr M. Venkatesh           | Medical Oncology  |
| 67 | 18-09-2014<br>Thursday   | An interesting case of primary malignant melanoma of ovary  | Dr Revanth Kumar Reddy  | Surgical Oncology | Bedside pulmonary function tests                           | Dr T. Rajasekhar          | Anaesthesiology   |
| 68 | 20-09-2014<br>Saturday   | Drainage procedures for small duct disease in chronic pancreatitis  | Dr M. Brahmeswara Rao   | Surgical GE       | Spotter  | Dr B. Manilal             | Surgical Oncology |
| 69 | 25-09-2014<br>Thursday   | Fungal infection in a immunosuppressed patient  | Dr M. Alekhya           | Pathology         | Rigid bronchoscopy   | Dr P. Hari Krishna Murthy | CT Surgery        |
| 70 | 02-10-2014<br>Thursday   | A rare case of lymphangiomatosis of spleen and bone   | Dr B. Surya Rekha       | Radio-diagnosis   | -  | -                         | -                 |
| 71 | 04-10-2014<br>Saturday   | Type 1 diabetes - a generalised catabolic disorder : evidence from the bone   | Dr V. Ashok             | Endocrinology     | Spotter  | Dr A. K. Chowhan          | Pathology         |
| 72 | 09-10-2014<br>Thursday   | An usual presentation of uterine cervical cancer  | Dr M. Hemanth           | Radiotherapy      | Intra operative ultrasound (LOUS)                          | Dr M. Brahmeswara Rao     | Surgical GE       |
| 73 | 11-10-2014<br>Saturday   | Chronic myeloid leukemia – low dose imatinib therapy  | Dr M. Sumanth Kumar     | Hematology        | Spotter  | Dr Shilpa Kadiyala        | Radio Diagnosis   |
| 74 | 16-10-2014<br>Thursday   | Immune hemolytic anemia associated with viral hepatitis b   | Dr M. Anitha            | IHBT              | HCG Stimulation Test                                       | Dr V. Ashok               | Endocrinology     |
| 75 | 18-10-2014<br>Saturday   | A study of 116 patients requiring mechanical ventilatory support in medical intensive care unit (MICU)                              | Dr P. Sumanth Reddy     | Medicine          | Spotter  | Dr Swapna. J              | Radiotherapy      |
| 76 | 30-10-2014<br>Thursday   | Prostatic utricular cyst with tumour  | Dr T. Syama Sundara     | Urology           | Recording of body temperature                              | Dr P.S.S. Sai Neelima     | Medicine          |
| 77 | 01-11-2014<br>(Saturday) | A study to evaluate the sensitivity and specificity of ELISA taking indirect immunofluorescence as reference test in detecting auto | Dr G.L.S. Sumanth Kumar | Microbiology      | Spotter  | Dr K. V. Sreedhar babu    | IHBT              |

|    |                          | antibodies related to connective-tissue disorders and further differentiating them by western blot                  |                          |  | Anaesthesiology  | Urease test                         |                         |                  |
|----|--------------------------|---|--------------------------|--|------------------|-------------------------------------|-------------------------|------------------|
| 78 | 06-11-2014<br>(Thursday) | A case report of post intubation tracheal stenosis and its anaesthetic management during surgical correction        | Dr S. Shameem            |  |                  |                                     | Dr Nibandhana           | Microbiology     |
| 79 | 08-11-2014<br>(Saturday) | CMV in renal transplant – Our Experience  | Dr P. Sandeep            |  | Nephrology       | Spotter                             | Dr K. Aditya            | Anaesthesiology  |
| 80 | 13-11-2014<br>(Thursday) | Germ cell tumor of ovary  | Dr B. Sandya Rani        |  | Biochemistry     | Serum ferritin levels               | Dr M. Sumanth Kumar     | Hematology       |
| 81 | 15-11-2014<br>(Sat)      | Status epilepticus: a study of etiology clinical presentation management and prognosis                              | Dr M. Sudhakar Rao       |  | Neurology        | Spotter                             | Dr D. Ramesh            | Urology          |
| 82 | 20-11-2014<br>(Thursday) | Case presentation   | Dr A. Ravikanth          |  | Cardiology       | 18 F FDG – Neuro PET                | Dr V. Sai Krishnamohan  | Nuclear Medicine |
| 83 | 22-11-2014<br>(Saturday) | Clinical radiological and functional evaluation of surgical treatment in degenerative lumbar canal stenosis         | Dr Ch. Siva Subrahmanyam |  | Neurosurgery     | Spotter                             | Dr P. Swathi            | Biochemistry     |
| 84 | 27-11-2014<br>(Thursday) | An interesting case   | Dr D. Kalyani Rama       |  | CT Surgery       | Retrograde Urethrogram              | Dr K. Venkat Reddy      | Urology          |
| 85 | 04-12-2014<br>(Thursday) | Thyroid cancer followup – a twist in the tale   | Dr P. Shalini            |  | Endocrinology    | Luminex                             | Dr K. Sindhuja          | IHBT             |
| 86 | 06-12-2014<br>(Saturday) | PET-CT in patients presenting with metastasis from unknown primary – SVTMS experience                               | Dr R. Ramya Priya        |  | Nuclear Medicine | ECG Challenge                       | Dr D. Kranthi Chaitanya | Cardiology       |
| 87 | 11-12-2014<br>(Thursday) | Myelo dysplasia   | Dr C. Chandra Sekhar     |  | Hematology       | Proctosigmoidoscopy in Radiotherapy | Dr K. Jayasree          | Radiotherapy     |
| 89 | 13-12-2014<br>(Saturday) | A prospective randomized study comparing traditional fluoropyrimidine based single agent or doublet regimens versus | Dr V. Venkata Sampath    |  | Medical Oncology | Spotter                             | Dr N. Ashok             | CT Surgery       |

|    |                          |   |                      |                   |                         |                           |                   |  |  |
|----|--------------------------|---|----------------------|-------------------|-------------------------|---------------------------|-------------------|--|--|
|    |                          | epirubicin based versus taxane based protocols and exploring surrogate markers for response evaluation in advanced gastric carcinomas                               |                      |                   |                         |                           |                   |  |  |
| 90 | 18-12-2014<br>(Thursday) | Case of Midline neck swelling   | Dr Y. Mutheswaraiiah | General Surgery   | Radiofrequency Ablation | Dr DSJ. Chaitanya Deep    | Radio-diagnosis   |  |  |
| 91 | 20-12-2014<br>(Saturday) | A randomized controlled study of neoadjuvant chemotherapy with interval cytoreduction vs primary cytoreduction in advanced (stage III c) epithelial ovarian cancers | Dr C. Jaya Prakash   | Surgical Oncology | Spotter                 | Dr M. Arun                | Endocrinology     |  |  |
| 92 | 25-12.2014<br>(Thursday) | Cystic diseases of biliary tract  | Dr A. Dinakar Reddy  | Surgical GE       | Nasopharyngo Scopy      | Dr G. Revanth kumar Reddy | Surgical Oncology |  |  |



### 5.0 Clinico Pathological Correlation (CPC)

The Academic programme on Clinico Pathological Correlation (CPC) was introduced with effect from January, 2012. Every 4<sup>th</sup> Saturday, the programme is arranged between 8.00 am. to 9.00 am. Dr R. Ram, Assoc. Prof., Dept. of Nephrology, Dr K. Sudhakar Rao, Prof. of CT Surgery acted as coordinators for Medical & Surgical cases respectively. The programs conducted for the year 2014 are given below:

| S. No. | Date       | Topic   | Discussant  |
|--------|------------|---|---|
| 01.    | 25.01.2014 | A 23 year old lady presented with history of difficulty of getting up from recumbency of one day duration   | Dr P. Suneetha<br>Dept. of Medicine   |
| 02.    | 22.02.2014 | A 64 year old lady presented with complaint of lower abdominal pain, associated with distension of abdomen since 3 months   | Dr S. Nagesh Kumar.<br>Dept. of General Surgery   |
| 03.    | 29.03.2014 | A 66-year old lady was brought to the emergency with the complaints of severe upper abdominal pain that followed an episode of vomiting   | Dr D. Rajitha<br>Dept. of Endocrinology   |
| 04.    | 26.04.2014 | A 47 year old male presented with upper abdominal pain since 5 years on & off. Patient was apparently asymptomatic until 5 years back when he developed pain abdomen  | Dr Jaya Prakash<br>Dept. of Surgical Oncology<br>Dr Radha Krishna<br>Dept. of Surgical GE<br>Dr Spoorthy Rekha,<br>Dept. of Pathology |
| 05.    | 31.05.2014 | A 74 year old lady was admitted with complaints of involuntary movements of lower jaw and limbs   | Dr B. Omprakash,<br>Dept. of Neurology  |
| 06.    | 28.06.2014 | A 22 year old female patient presented with complaints of pain abdomen since 1 year Lump in lower abdomen since 10 months   | Dr V.N. Durga Prasad,<br>Dept. of CT Surgery  |
| 07.    | 26.07.2014 | A 54 year old male, was brought with a complaint of attempted suicide by trying to hang himself, but was stopped from the forbidden act by his wife.  | Dr R.G. Balambika,<br>Dept. of Medical Oncology   |
| 08.    | 30.08.2014 | 35 year old female patient presented with soft tissue swelling on left side of back since 3 months.   | Dr C. Krishna Mohan,<br>Dept. of Neurosurgery   |
| 09.    | 27.09.2014 | A 65 old gentleman presented with the complaints of generalized weakness, back ache, leg pains and bone pain of one month duration.   | Dr M. Boochi Babu,<br>Dept. of Cardiology   |
| 10.    | 25.10.2014 | A 68 year post menopausal Female presented with complaints of lump in right side of abdomen since 1 year and pain abdomen since 6 months.   | Dr A. Dinakar Reddy,<br>Dept. of Surgical GE  |
| 11.    | 29.11.2014 | A 45 year old gentleman presented with complaints of diffuse pain abdomen of two hours duration.  | Dr B. Sangeetha Lakshmi,<br>Dept. of Nephrology   |
| 12.    | 27.12.2014 | A 28 year old female, presented to OPD with complaints of upper abdominal pain since 3 weeks, radiating to back, increasing in severity, which is relieved with medication, associated with evening rise of temperature since 2 weeks, associated with loss of weight and loss of appetite. | Dr K. Venkat Reddy,<br>Department of Urology  |



## IV Research



## IV. 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. Acute respiratory distress syndrome.

Rao MH, Muralidhar A, Reddy AKS.

J Clin Sci Res 2014;3:114-34.

Acute respiratory distress syndrome (ARDS) is characterized by non-cardiogenic pulmonary oedema and respiratory failure. In 1994, ARDS was defined by the American – European Consensus Conference (AECC) and since then issues regarding the reliability and validity of this definition have emerged. The Berlin definition was developed by a panel of experts in a convention in 2011 with an initiative of European Society of Intensive Care Medicine endorsed by American Thoracic Society, mainly focusing on feasibility, reliability and validity and objective evaluation of performance. The definition proposed three exclusive categories of ARDS based on degree of hypoxaemia, namely, mild, moderate and severe. The updated and revised Berlin definition of ARDS may serve as model to create a more accurate, evidence based critical illness syndrome and to improve

clinical care, research, health services planning and resource management. The article describes clinical, aetiological and physiological basis of ARDS and summarize show its molecular pathogenesis leads to physiologic alterations of respiratory failure. It provides a physiologic basis for understanding and implementing modern strategies for the respiratory management of patients with ARDS.

#### 2. Effects of fentanyl on procedural pain and discomfort associated with central venous catheter insertion: A prospective, randomized, double-blind, placebo controlled trial.

Samantaray A, Rao MH.

Indian J Crit Care Med 2014;18:421-6.

**Context:** Central venous catheter (CVC) insertion induces pain and discomfort to a conscious patient despite application of a local anesthetic (LA) field block and this pain can be greatly lessened by using additional analgesics. **Aim:** The aim of this study is to evaluate the efficacy of fentanyl along with LA field infiltration in controlling pain and discomfort associated with CVC insertion.



**Settings and Design:** A prospective, randomized, double-blind, placebo-controlled trial was conducted at tertiary referral center. **Materials and Methods:** Fifty-four patients scheduled for planned CVC were randomly assigned to receive either fentanyl (2 µg/kg) or 0.9% normal saline. Pain and discomfort using a verbal numeric rating pain scale at 5 times points during CVC insertion were assessed and analyzed.

**Results:** The median interquartile range pain score is worst for placebo group after LAI (5 [3-6]) and in the immediate postprocedure period (5 [4-5]) which was significantly attenuated by addition of fentanyl (3.5 [2-5] and 3 [2-4]) ( $P = 0.009$  and  $0.001$  respectively). Overall, fentanyl and placebo group were not statistically different with median discomfort score except at T10 ( $P = 0.047$ ).

**Conclusions:** Preprocedural bolus fentanyl infusion provides adequate analgesia and can be safely used for alleviating pain during CVC insertion in conscious patients.

### **3. Blood transfusion practices in cardiac anaesthesia.**

Rao MH, Samantaray A, Anakapalli M.

Indian J Anaesth 2014;58:616-21.

The primary reasons for blood transfusion in cardiac surgery are to correct anaemia and to improve tissue oxygen delivery. However, there is a considerable debate regarding the actual transfusion trigger at which the benefits of transfusion overweight the risk. The association between extreme haemodilution, transfusion and adverse outcome after cardio pulmonary bypass (CPB) is not clear and the current available literature is not sufficient to provide a strong recommendation regarding the safe haematocrit range during CPB. There is no quality evidence to support use of fresh red blood cell except during massive transfusion or exchange transfusion in neonate. Overall concern regarding the safety of allogeneic blood transfusion resulted in the search for autologous blood transfusion and perio-

perative blood salvage. The aim of this review is to provide cardiac surgery specific clinically useful guidelines pertaining to transfusion triggers, optimal haemodilution during CPB, autologous blood transfusion and role of perioperative blood salvage based on available evidence.

### **4. Pulmonary aspiration of gastric contents prevention and prophylaxis.**

Samantaray A.

J Clin Sci Res 2014;3:243-50.

Pulmonary aspiration of gastric contents is one of the most fatal complications not only in the scenario of an operating room but also in critically ill patients, who have an increased risk for silently aspirating oropharyngeal secretions and regurgitated gastric contents. Prevention is the key to avoid this feared event. Strict adherence to guidelines regarding fasting in the preoperative period, avoidance of residual muscle paralysis and early return of protective airway reflexes by carefully choosing appropriate anaesthetic agents are corner stones of safe anaesthetic practice. Routine preoperative pharmacoprophylaxis to reduce gastric acidity and volume is not recommended and tolerance to commonly used histamine 2 receptor antagonists may occur and use of proton-pump inhibitors may be necessary. In the critical care arena small-volume clinically silent aspirations of oropharyngeal secretion are more common and head-of-bed elevation has been identified as the single most important factor which can greatly reduce the risk of aspiration and thereby reduce the incidence of ventilator associated pneumonia. Most of the intensivists favours use a continuous enteral feed and checking of correct placement of feeding tube at regular interval to reduce the frequency of pulmonary aspiration of gastric contents. In this review we summarise the pathophysiologic mechanism and predisposing factors to pulmonary aspiration of gastric contents. We will also present evidence for and rationale behind the practices adopted in critical care area and

operation theatre setup to prevent aspiration.

### 5. Comparison of dexmedetomidine combined with propofol Vs fentanyl combined with propofol for laryngeal mask insertion.

Sowmya Jayaram A, Janaki Subhadra P, Rao MH.  
J Clin Sci Res 2014;3:228-36.

**Background:** Few studies have assessed adequacy of anaesthesia provided by propofol in combination with dexmedetomidine and propofol in combination with fentanyl for laryngeal mask airway (LMA) insertion for minor to moderate elective surgical procedures.

**Methods:** Sixty patients admitted for lower abdominal and lower limb surgery were randomized into Group F (n=30) and Group D (n=30). Thirty seconds after the study drug (fentanyl 1 µg/kg in Group F and dexmedetomidine 1 µg/kg in Group D diluted in 10 mL normal saline over 2 min) was administered, induction was done with i.v. propofol 2 mg/kg in both groups. Ninety seconds after propofol injection, jaw relaxation was assessed and LMA of appropriate size was inserted. If the first attempt failed, another attempt was tried after an additional dose of i.v. propofol (0.5 mg/kg). Haemodynamic parameters, namely, heart rate, systolic blood pressure (SBP), mean blood pressure (MBP), diastolic blood pressure (DBP), arterial oxygen saturation measured with pulse oximeter and respiratory rate were recorded before and at the end of 1st, 2nd, 3rd, 5th and 10th minutes after insertion of LMA.

**Results:** Both the groups were comparable in age, weight, sex, age wise distribution and insertion conditions. The reductions in SBP, DBP, MAP were greater in Group F ( $p < 0.001$ ). More patients developed apnoea in Group F than in Group D ( $p < 0.05$ ).

**Conclusions:** Dexmedetomidine combined with propofol provides the same conditions for LMA insertion as fentanylpropofol combinations with advantage of better maintainance of haemodynamic parameters

### 6. Comparison of intubating conditions and haemodynamic responses during rapid tracheal intubation using either suxamethonium or rocuronium with ephedrine pretreatment.

Madhusudan M, Rao MH, Reddy AKS, Kadiyala V, Samantaray A, Hemanth N, Charupalli K.

J Clin Sci Res 2014;3:174-80.

**Background:** Suxamethonium is considered as the “gold standard” for tracheal intubation. Because of innumerable contraindications for the use of this drug, there is a continuous search for other alternatives.

**Methods:** In a prospective, randomized and double-blind study, we compared the intubating conditions and haemodynamic responses during rapid tracheal intubation using either suxamethonium or rocuronium with ephedrine pretreatment. We recruited 50 patients and allocated them into 2 groups (n= 25 each); Group S: received suxamethonium 1.5 mg/kg and Group R: received rocuronium 0.6 mg/kg with ephedrine 100 µg/kg pretreatment. All patients were induced with 2 mg/kg propofol and intubation was attempted at 60 seconds. Haemodynamic responses and quality of intubating conditions were assessed.

**Results:** Both groups were comparable in respect to age, sex, weight, Mallampati grade, Cormack Lehane grade and duration of laryngoscopy. Although both groups had clinically acceptable intubating conditions (good and excellent), there were more number of patients with better intubation score in Group S compared to Group R ( $p = 0.014$ ).

**Conclusion:** Suxamethonium still continues to be the “gold standard” for providing ideal tracheal intubation conditions. However, in conditions where suxamethonium is contraindicated, rocuronium-ephedrine combination can be used as an alternative to intubate the trachea at 60 seconds.

### 7. Bilateral middle ear atresia with right sided microtia

Ravindra Kumar B, Subhadra Devi V.

Int J Med Sci 2014;2:1-3.

A dead female foetus presented normal left auricle and a small tag of tissue representing right auricle. CT scan revealed right sided absence of auricle and auditory canal and bilateral absence of middle ear. Foetal dissections presented right sided absence of musculo cutaneous nerve with variation in the distribution of median nerve to muscles of arm

### **8. Morphological and morphometric parameters of coronary arteries in human foetal hearts**

Kandregula J, Velichety SD, Karla T, Sreevaram HH, Chilumu J, Mohammad R.

Int J Res Health Sci 2014;2:126-32.

**Introduction :** Heart is a hollow muscular organ composed primarily of cardiac muscle tissue that continuously contracts and relaxes. Heart receives blood from right and left coronary arteries.

**Materials and Methods:** in the present study 50 hearts from aborted fetuses (13-36 wks of gestational age) were collected. The fetuses were categorized in to two groups of 13-24 weeks (Group I) and 25-36 weeks (Group II) gestational age range. The heart specimens were observed for origin, course and branching pattern of coronary arteries, segment – wise lengths of coronary arteries, coronary dominance, presence of third coronary artery and myocardial bridges. The mean lengths of coronary arteries were compared between 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> segments.

**Results:** There is a significant increase in the lengths of 1st, 2nd and 3rd segments from group-I to group-II. The posterior interventricular artery was arising from right coronary artery in 56%, left coronary artery in 8% and from both arteries in 6%. The frequency of occurrence of third coronary or right conus artery arising separately from anterior aortic sinus is 2%. Myocardial bridges are present in 9 hearts and among these 4

bridges are observed in the course of right coronary artery and 5 bridges on left anterior descending branch.

**Conclusion:** The data presented in this study provide potentially useful information for the preoperative evaluation of the newborn and may have clinical implication in sudden fetal death.

### **9. Differential diagnosis of a case of bilateral cystic swelling of neck in an aborted fetus**

Maruti Ram A, Subhadra Devi V.

Int J Anat Res 2014;2:221-24.

**Objective:** To analyse the anatomical and radiological observations in a fetus with bilateral cystic swelling of neck.

**Materials and Methods:** A total of 30 aborted fetuses were studied for academic purpose ranging from age 12 weeks to 36 weeks. A male aborted fetus of 24 weeks with huge swelling in cervicothoracic region was investigated by radiological and ultrasonographic examination. A detailed foetal autopsy was conducted for associated anomalies.

**Observation:** A huge cystic swelling was observed in the posterior region of neck and upper thorax with mandibulo facial defect. About 1.2 cm defect was noted in occipital bone with herniation of echogenic brain contents and hypoechoic collection in to the occipital region.

**Conclusion:** Prenatal diagnosis of Cystic hygroma and Encephalocele can be made from 9th week onwards, which will be helpful for planning delivery or to deal with neonatal complications.

### **10. Morphological features and morphometric parameters of human fetal thymus gland**

Havila Hasini S, Subhadra Devi V, Thyagaraju K, Jyothirmayi K, Jaipal Ch.

Int J Anat Res 2014;2:202-7.

**Introduction:** Thymus is one of the central lymphoid organs. It plays an important role in the differentiation, selection and maturation of T-



lymphocytes. In the recent years morphology and morphometry of the thymus gland in the newborn is gaining significance as it demonstrates great variability between individual infants and in the same infant at different times. Materials and methods: in the present study 45 thymus specimens from aborted human fetuses of 16 to 40 weeks gestational age and both sexes were studied by autopsy for morphological and morphometric features. The morphometric parameters were measured using pachymeter.

**Results:** the thymus gland was located in the superior mediastinum. 60%(27/45) specimens showed cervical extensions. Branchocephalic vein anterior to thymus was observed in 3 cases which is an important anomaly to be observed in thymectomy procedure. Thymuses were greyish pink to greyish brown in colour. Variations were also observed in the number of lobes of glands in which one is single lobed, most of the glands are bilobed and few are trilobed. There is progressive increase in all morphometric dimensions of the thymus in relation to gestational age. Most of the specimens were less than 4cm in length. Half of the specimens were below 2cm in width and other half were 2.0 to 5.0 cm in width. For 90% of the specimens thickness of the organ was less than 0.5cm. The thymus gland was 0.2% of fetal body weight.

**Conclusion:** The morphological observations of thymus gland shows great variations which has to be considered in thymectomy. In addition to anthropometric parameters of fetus, morphometric parameters of thymus glands present significant relation to the gestational age of fetuses. It is possible to determine the thymic morphometric parameters in relation to gestational age.

### 11. Morphological and morphometric study of human foetal spleen

Shaik Hussain Saheb, Subhadra Devi V, Haseena S.

Int J Anat Res 2014;2:234-8.

**Background:** Spleen is a part of circulatory system, it is generally described with the lymphatic organs because of very large population of lymphocytes present in it. In surgical and medical history spleen has been described as a mysterious organ. Clear understanding and appreciation of its function emerged only later half of the 20<sup>th</sup> century, because of erythropoietic nature of foetal spleen the present study was conducted. Aims and Objects: To study variations on morphology and morphometry of human foetal spleen at different gestational ages.

**Materials and Methods:** Foetal Spleens were collected from SV Medical College, Tirupati and JJM Medical College, Dayangere, India. Total 108 spleens were collected from foetal cadavers. The measurements length width, thickness and weight of foetal spleen and ratio between foetal weight and spleen weight were measured.

**Results:** The average length, width and thickness of foetal spleen of gestational age between 12 to 24 weeks were 1.7cm, 1.08 and 0.8cm respectively, gestational age between 25 to 36 weeks were 2.53cm, 1.64 and 1.0cm respectively and gestational age greater than 36 weeks were 2.67cm, 1.67 and 1.0cm respectively. The average foetal weight and spleen weight of gestational age between 12 to 24 weeks were 800gm and 2.84gm respectively and ratio between two was 0.35%, gestational age between 25 to 36 weeks were 1321.42gm and 4.52gm respectively ratio between two was 0.34% and gestational age greater than 36 weeks were 2100gm and 7.07gm respectively ratio between two was 0.33%.

**Conclusion:** The measurements of foetal spleen are very helpful in medicine and surgical practice because of its clinical importance. The human foetal spleen is a secondary site of red blood cell.

### 12. Training good doctors as good teachers (challenges of medical education).

Subhadra Devi V.

Int J Anat Res 2014;2:295

Medical education should not be confined to the practice of few skills and techniques devoid of interpersonal relationship that include patient expectations, attitudes, and enhanced patient doctor interaction. The aim of Medical education is not acquiring theoretical or practical knowledge that can be reproduced in an examination but it is the ability to apply that theoretical knowledge coupled with practical skills to the benefit of the patient in real life situations that are frequently suboptimal especially in countries like India. Medical curriculum must be so designed that every doctor must readily accept that every patient is his examiner but not the recipient of a dole out from the doctor. Medical professionals must understand that it is cleaner and healthier countries that are wealthier. Two parameters that determine whether the above goals of medical education could be achieved are doctor-patient and medical teacher student ratios.

### **13. Accessory left lobe of the liver**

Ravindra kumar B, Subhadra Devi V, Usha Rani U.  
Int J Intg Med Sci 2014;1:17-9.

Accessory lobe of liver usually asymptomatic and its clinical detection is extremely rare. In the present case report an unusual case of an accessory left lobe of the liver in a female dead foetus of 36 weeks gestation, during the autopsy after exploring the abdominal cavity observed an unusual extra left lobe the liver, extra lobe is attached by means of a connecting stalk.

### **14. Bilateral renal artery variations - embryological significance and clinical implications.**

Sujatha M, Subhadra Devi V, Lalitha Kumari MK, Sofia P.

Int J Cur Res Rev 2014;6:66-9.

**Background:** With increased incidence of kidney transplantation and related surgical procedures anatomical knowledge of renal artery variations is gaining importance. Normally a

single renal artery supplies each kidney. Accessory renal vessels are the commonly seen renovascular variations.

**Materials and Methods:** During routine dissection for 1<sup>st</sup> year undergraduate medical students in the Department of Anatomy S.V. Medical College, Tirupati, renal artery variations were observed in 24 formalin fixed cadavers (16 male & 8 female). The renal artery variations were identified and photographs were taken.

**Results:** In the present study renal artery variations were observed in 03 cadavers (12.5%). Bilateral accessory renal vessels were observed in two cadavers (8.4%) and bilateral single renal artery with pre-hilar branching and double ureter is seen in one cadaver (4.1%).

**Conclusion:** Awareness of renal artery variations is necessary for surgical management of renal transplantation, urological procedures and for angiographic interventions.

### **15. Sexual dimorphism in morphology and morphometry of neutrophil drumsticks**

Sharmila T, Subhadra Devi V, Thyagaraju K.  
Int J Anat Res 2014;2:720-6.

**Introduction:** Sex chromatin is a chromatin mass of 1 micron size usually seen at the periphery of nucleus in females. In the literature majority reported its absence in males while few reported its low incidence in males. The term 'sex chromatin' comprises two superficially dissimilar structures the "Barr body" present in epithelial and other tissue cells and the "Drumstick" of the polymorph nuclear leucocytes.

**Materials and methods:** The present study was conducted to observe the morphology, morphometry and percentage incidence of Drumsticks in the blood neutrophils of 110 individuals ranging from 17-30 age group and both sexes using a calibrated ocular/eye piece micrometer.

**Results:** The percentage incidence of drumsticks including non-specific appendages as well as the total number of true drumsticks in females

exceeds that in males. Four different types of nonspecific appendages-sessilenodes, racket structures, minor lobes and small clubs were found in the blood neutrophils along with the drumsticks. A higher percentage of nonspecific appendages i.e. minor lobes (46.2%), racket structures (42.3%), and small clubs (11.5%) were observed in males and sessile nodes were found only in females.

**Conclusion:** Observations on morphology, morphometry and percentage incidence of polymorph nuclear drumsticks presented a valuable data on sex differences.

#### 16. Indices of insulin resistance in paediatric obesity

Chandrasekhar T, Suchitra MM, Sachan A, Bitla AR, Srinivasa Rao PVLN.

J Clin Sci Res 2014 ;3:7-13.

**Background:** Paediatric obesity is associated with insulin resistance (IR), which increases risk of type 2 diabetes mellitus (T2DM) and cardiovascular diseases (CVD). Hyperinsulinaemic-euglycaemic clamp and minimal-model analysis frequently sampled intravenous glucose tolerance test (FSIVGTT) are used to assess IR, which are invasive, complex and expensive.

**Methods:** To assess IR using the derived indices namely, homeostasis model assessment of insulin resistance (HOMAIR), fasting glucose-to-insulin ratio (FGIR), quantitative insulin-sensitivity check index (QUICKI), in obese children. **Methods:** Fifty obese children (cases) and 50 apparently healthy age- and gender- matched non-obese children (controls) were studied. Obese children with body mass index (BMI; Kg/m<sup>2</sup>) greater than 95th percentile and nonobese children with BMI between 5th to 95th percentile were included in the study.

**Results:** Obese children had higher fasting insulin levels, HOMA-IR ( $p < 0.001$ ), FGIR ( $p < 0.001$ ) and QUICKI ( $p < 0.001$ ) when compared to controls; fasting blood glucose levels were comparable ( $p = 0.170$ ). A statistically

significant correlation was observed between serum insulin and BMI, between insulin and all the derived indices and between the derived indices and BMI ( $p < 0.001$ ). HOMA-IR had more area under the curve (0.760) followed by FGIR (0.721) when compared to QUICKI (0.240). **Conclusions:** Obese children were normoglycaemic with IR. HOMA-IR was found to be a stronger predictor of IR when compared to FGIR and QUICKI in obese children.

#### 17. Oxidative Stress in Non-Obese Women with Polycystic Ovarian Syndrome

Varalakshmi D, Rajendra Prasad N, Suchitra MM, Alok Sachan, Srinivasa Rao PVLN, Aparna R Bitla.

J Clin Diagn Res 2014; 8(7):1-3.

**Background:** Polycystic ovarian syndrome (PCOS) is one of the most common endocrine diseases of women. Oxidative stress is an important component of the cardio-metabolic risk seen in these women. Oxidative stress has been reported in obese PCOS women. This study is taken up to study oxidative stress in non-obese PCOS women.

**Materials and Methods:** Twenty five non-obese women with PCOS attending the Endocrinology outpatient Department of Sri Venkateswara Institute of Medical Sciences, Tirupati, India along with 25 healthy BMI matched controls were included in the study. The changes in the lipid peroxidation products (MDA), and total antioxidant capacity (FRAP) as an index of antioxidant status along with fasting glucose, insulin and uric acid levels were measured in both groups. Insulin resistance was evaluated by using homeostasis model assessment for insulin resistance [HOMA-IR] =  $\frac{[FPG \text{ (mg/dl)} \times \text{insulin (mIU/L)}]}{405}$  in both groups.

**Results:** Serum MDA and uric acid levels were increased in the study group compared with controls and FRAP levels were decreased in the study group compared to controls though statistically insignificant.



**Conclusion:** Oxidative stress is also present in non-obese women with PCOS. Oxidative stress further increases the CVD risk in these women. Correcting oxidative stress with antioxidants along with monitoring the antioxidant status using a simple assay like FRAP could have a beneficial effect on oxidative stress induced insulin resistance and hyperandrogenism seen in these women.

### 18. Molecular modeling, docking and dynamics simulations of p-nitrophenol Monooxygenase from *Arthrobacter* sp. strain Js443.

Monika K, Umamaheswari A, Megharaj M, Venkateswarlu K.

Interdiscip Sci Comput Life Sci 2014;7:1-12.

p-Nitrophenol (PNP), used primarily for manufacturing pesticides and dyes, has been recognized as a priority environmental pollutant. It is therefore important to reduce the input of this toxicant into the environment and to establish approaches for its removal from the contaminated sites. PNP monooxygenase, a novel enzyme from Gram-positive bacteria like *Arthrobacter* sp. and *Bacillus* sp., that comprises two components, a flavoprotein reductase and an oxygenase, catalyzes the initial two sequential monooxygenations to convert PNP to trihydroxybenzene. Accurate and reliable prediction of this enzyme-substrate interactions and binding affinity are of vital importance in understanding these catalytic mechanisms of the two sequential reactions. As crystal structure of the enzyme has not yet been published, we built a homology model for PNP monooxygenase using crystallized chlorophenol 4-monooxygenase from *Burkholderia cepacia* AC1100 (3HWC) as the template. The model was assessed for its reliability using PROCHECK, ERRAT, WHATCHECK and ProSA. Molecular docking of the physiological substrates, PNP and 4-nitrocatechol (4-NC), was carried out using Glide v5.7 implemented in Maestro v9.2, and the binding energies were calculated to substantiate the prediction. Docking complexes formed by molecular level

interactions of PNP monooxygenase-PNP/4-NC without or with the cofactors, FAD and NADH, showed good correlation with the established experimental evidence that the two-component PNP monooxygenase catalyzes both the hydroxylation of PNP and the oxidative release of nitrite from 4-NC in *B. sphaericus* JS905. Furthermore, molecular dynamics simulations performed for docking complexes using Desmond v3.0 showed stable nature of the interactions as well.

### 19. A Sugarcane Germplasm Database

Praveen K, Hemanth Kumar M, Umamaheshwari A, Reddy DM, Sudhakar P, Munikumar M, Pradhan D, Sabita N

[E pub ahead of print]

Collection, conservation, characterization, maintenance and utilization of plant genetic resources are essential components of crop improvement programs. Sugarcane Germplasm Database was developed for 45 descriptors on 131 germplasm accessions using MySQL 5.6 server, Dreamweaver web design tool, JAVA programming language and Apache Tomcat server to rationalize storage, retrieve, update, query and report data for multiuser environment. The information included data on 27 distinct, uniform and stable descriptors as described in PPV & FRA, India, 18 agronomic and quality descriptors and pictures in JPEG format on the most distinctive features. The database will be useful to sugarcane breeders to identify the accessions and in selecting parents for targeted traits in hybridization and crop improvement in sugarcane.

### 20. Synthesis, biological evaluation and molecular docking studies of N-( $\alpha$ -acetamidocinnamoyl) aryl hydrazone derivatives as antiinflammatory and analgesic agents.

Rajitha G, Prasad KVSRRG, Uma maheswari A, Pradhan D, Bharathi K

Med Chem Res 2014;23:5204-14.

A series of acyl hydrazone derivatives were

synthesized and screened for antiinflammatory and analgesic activities. The *N*-acylaryl hydrazone compounds described herein were designed by combining the pharmacophoric features of hydrazones and styryl ketones in order to identify the pharmacophoric contribution of the *N*-acylarylhydrazone moiety and to study the structure–activity relationships. In carrageenan-induced paw edema test, *N'*-(4-hydroxy benzylidene)-2-acetamido-3-phenyl propeno hydrazide (6j) reduced edema by 74 % which is comparable to the standard reference drug, phenylbutazone at equidose. *N'*-(4-methoxy benzylidene)-2-acetamido-3-phenyl propeno hydrazide (6g) showed analgesic activity (68 %) which is equipotent to the standard drug, aspirin (64 %). Molecular docking studies further confirmed that (6j) showed better binding affinity with COX-2 and LOX-5 with reduced gastric ulcerogenic effect when compared to phenylbutazone.

## **21. Genome-based approaches to develop epitope-driven subunit vaccines against pathogens of infective endocarditis**

Priyadarshini IV, Pradhan D, Munikumar M, Swargam S, Umamaheswari A, Rajasekhar D. J Biomol Struct Dyn 2014;32:876-89.

Infective endocarditis (IE) has emerged as a public health problem due to changes in the etiologic spectrum and due to involvement of resistant bacterial strains with increased virulence. Developing potent vaccine is an important strategy to tackle IE. Complete genome sequences of eight selected pathogens of IE paved the way to design common T-cell driven subunit vaccines. Comparative genomics and subtractive genomic analysis were applied to identify adenosine tri phosphate (ATP)-binding cassette (ABC) transporter ATP-binding protein from *Streptococcus mitis* (reference organism) as common vaccine target. Reverse vaccinology technique was implemented using computational tools such as ProPred, SYFPEITHI, and Immune epitope database. Twenty-one T-cell epitopes

were predicted from ABC transporter ATP-binding protein. Multiple sequence alignment of ABC transporter ATP-binding protein from eight selected IE pathogens was performed to identify six conserved T-cell epitopes. The six selected T-cell epitopes were further evaluated at structure level for HLA-DRB binding through homology modeling and molecular docking analysis using Maestro v9.2. The proposed six T-cell epitopes showed better binding affinity with the selected HLA-DRB alleles. Subsequently, the docking complexes of T-cell epitope and HLA-DRBs were ranked based on XP Gscore. The T-cell epitope (208-LNYITPDVV-216)-HLA-DRBI\*0101 (IT5W) complex having the best XP score (−13.25 kcal/mol) was assessed for conformational stability and interaction stability through molecular dynamic simulation for 10 ns using Desmond v3.2. The simulation results revealed that the HLA-DRB–epitope complex was stable throughout the simulation time. Thus, the epitope would be ideal candidate for T-cell driven subunit vaccine design against infective endocarditis.

## **22. Para-(benzoyl)-phenylalanine as a potential inhibitor against LpxC of *Leptospira* spp.: homology modeling, docking and molecular dynamics study**

Pradhan D, Priyadarshini IV, Munikumar M, Swargam S, Umamaheswari A, Aparna B.

J Biomol Struct Dyn 2014;32:171-85.

*Leptospira interrogans*, a Gram-negative bacterial pathogen is the main cause of human leptospirosis. Lipid A is a highly immunoreactive endotoxic center of lipopolysaccharide (LPS) that anchors LPS into the outer membrane of *Leptospira*. Discovery of compounds inhibiting lipid-A biosynthetic pathway would be promising for dissolving the structural integrity of membrane leading to cell lysis and death of *Leptospira*. LpxC, a unique enzyme of lipid-A biosynthetic pathway was identified as common drug target of *Leptospira*. Herein, homology modeling, docking, and molecular dynamics

(MD) simulations were employed to discover potential inhibitors of LpxC. A reliable tertiary structure of LpxC in complex with inhibitor BB-78485 was constructed in Modeller 9v8. A data-set of BB-78485 structural analogs were docked with LpxC in Maestro v9.2 virtual screening workflow, which implements three stage Glide docking protocol. Twelve lead molecules with better XP Gscore compared to BB-78485 were proposed as potential inhibitors of LpxC. Para-(benzoyl)-phenylalanine – that showed lowest XP Gscore (–10.35 kcal/mol) – was predicted to have best binding affinity towards LpxC. MD simulations were performed for LpxC and para-(benzoyl)-phenylalanine docking complex in Desmond v3.0. Trajectory analysis showed the docking complex and inter-molecular interactions was stable throughout the entire production part of MD simulations. The results indicate para-(benzoyl)-phenylalanine as a potent drug molecule against leptospirosis.

### **23. Mutations in exons 10 and 11 of human glucokinase result in conformational variations in the active site of the structure contributing to poor substrate binding - explains hyperglycemia in type 2 diabetic patients.**

Yellapu N, Mahto MK, Valasani KR, Sarma PV, Matcha B.

J Biomol Struct Dyn 2014;15:1-14.

Mutations in the glucokinase (GK) gene play a critical role in the establishment of type 2 diabetes. In our earlier study, R308K mutation in GK in a clinically proven type 2 diabetic patient showed, structural and functional variations that contributed immensely to the hyperglycemic condition. In the extension of this work, a cohort of 30 patients with established type 2 diabetic condition were chosen and the exons 10 and 11 of GK were PCR-amplified and sequenced. The sequence alignment showed A379S, D400Y, E300A, E395A, E395G, H380N, I348N, L301M, M298I, M381G, M402R, R308K, R394P, R397S,

and S398R mutations in 12 different patients. The structural analysis of these mutated GKs, showed a variable number of  $\beta$ - $\alpha$ - $\beta$  units, hairpins,  $\beta$ -bulges, strands, helices, helix-helix interactions,  $\beta$ -turns, and  $\gamma$ -turns along with the RMSD variations when compared to wild-type GK. Molecular modeling studies revealed that the substrate showed variable binding orientations and could not fit into the active site of these mutated structures; moreover, it was expelled out of the conformations. Therefore, these structural variations in GK due to mutations could be one of the strongest reasons for the hyperglycemic levels in these type 2 diabetic patients.

### **24. Structural and Functional analysis of *Staphylococcus aureus* NADP-dependent IDH and its comparison with Bacterial and Human NADPdependent IDH.**

Prasad UV, Swarupa V, Yeswanth S, Santhosh Kumar P, Kumar ES, Reddy KM, Kumar YN, Rani VJ, Chaudhary A, Sarma PVGK.

Bioinform 2014;10:81-6.

*Staphylococcus aureus* a natural inhabitant of nasopharyngeal tract mainly survives as biofilms and possess complete Krebs cycle which plays major role in its pathogenesis. This TCA cycle is regulated by Isocitrate dehydrogenase (IDH) we have earlier cloned, sequenced (HM067707), expressed and characterized this enzyme from *S. aureus* ATCC12600. We have observed only one type of IDH in all the strains of *S. aureus* which dictates the flow of carbon thereby controlling the virulence and biofilm formation, this phenomenon is variable among bacteria. Therefore in the present study comparative structural and functional analysis of IDH was undertaken. As the crystal structure of *S. aureus* IDH was not available therefore using the deduced amino sequence of complete gene the 3D structure of IDH was built in Modeller 9v8. The PROCHECK and ProSAweb analysis showed the built structure was close to the crystal structure of *Bacillus subtilis*. This structure when super-



imposed with other bacterial IDH structures exhibited extensive structural variations as evidenced from the RMSD values correlating with extensive sequential variations. Only 24% sequence identity was observed with both human NADP dependent IDHs (PDB: 1T09 and 1T0L) and the structural comparative studies indicated extensive structural variations with an RMSD values of 14.284Å and 10.073Å respectively. Docking of isocitrate to both human IDHs and *S. aureus* IDH structures showed docking scores of -11.6169 and -10.973 respectively clearly indicating higher binding affinity of isocitrate to human IDH.

## 25. Identification of Microbial Pathogens in Periodontal disease and Diabetic patients of South Indian Population.

Chiranjeevi T, Prasad OH, Prasad UV, Kumar AK, Chakravarthi VP, Rao PB, Sarma PVGK, Reddy NR, Bhaskar M.

Bioinform 2014;10:241-5.

Periodontitis have been referred to as the sixth complication of diabetes found in high prevalence among diabetic patients than among healthy controls. The aim of the present study was to examine the periodontal disease status among collected dental plaque samples. Chromosomal DNA was isolated and amplified by universal primers. The DNA was sequenced for bacterial confirmation and phylogenetic analysis performed for the evolutionary relationship with other known pathogens. No amplification products were observed in groups labeled non periodontal and non Diabetes (NP&ND) and non Periodontal and Diabetes (NP&D). But in the case of Periodontal and non Diabetes (P&ND) groups 22 amplified products were observed. In case of Periodontal and Diabetes (P&D), 32 amplified products were positive for microbes. Among the four microbial groups, *Treponemadenticola*, and *Tannerella forsythia* were found to be prevalent in P&D. The phylogenetic analysis of 16s rRNA of *Treponemadenticola* showed the relationship

with other *Treponema* oral pathogen species and with the *Spirochaetazuelaera*. *Tannerella forsythia* shows its evolutionary relationship only with four oral pathogens *Prevotellaintermedia* also showed its evolutionary relationship only with *Prevotella* Spcs while *Fusobacterium* revealed close evolutionary relationship only with *Porpiromonasgingivalis*.

## 26. In silico designing and molecular docking of a potent analog against *Staphylococcus aureus* porphobilinogen synthase.

Kumar PS, Kumar YN, Prasad UV, Yeswanth S, Swarupa V, Sowjenya G, Venkatesh K, Srikanth L, Rao VK, Sarma PVGK.

J Pharm Bioall Sci 2014;6:158-66.

**Background:** The emergence of multi-drugresistant strains of *Staphylococcus aureus*, there is an urgent need for the development of new antimicrobials which are narrow and pathogen specific.

**Aim:** In this context, the present study is aimed to have a control on the staphylococcal infections by targeting the unique and essential enzyme; porphobilinogen synthase (PBGS) catalyzes the condensation of two molecules of  $\delta$ -aminolevulinic acid, an essential step in the tetrapyrrole biosynthesis. Hence developing therapeutics targeting PBGS will be the promising choice to control and manage the staphylococcal infections. 4,5-dioxovalerate (DV) is known to inhibit PBGS.

**Materials and Methods:** In view of this, in this study, novel dioxovalerate derivatives (DVDs) molecules were designed so as to inhibit PBGS, a potential target of *S. aureus* and their inhibitory activity was predicted using molecular docking studies by molecular operating environment. The 3D model of PBGS was constructed using *Chlorobium vibrioform* (Protein Data Bank 1W1Z) as a template by homology modeling method.

**Results:** The built structure was close to the crystal structure with Z score - 8.97. Molecular

docking of DVDs into the *S. aureus* PBGS active site revealed that they are showing strong interaction forming H-bonds with the active sites of K248 and R217. The ligand-receptor complex of DVD13 showed a best docking score of -14.4555 kcal/mol among DV and all its analogs while the substrate showed docking score of -13.0392 kcal/mol showing interactions with S199, K217 indicating that DVD13 can influence structural variations on the enzyme and thereby inhibiting the enzyme.

**Conclusion:** The substrate analog DVD13 is showing significant interactions with active site of PBGS and it may be used as a potent inhibitor to control *S. aureus* infections.

## 27. Comparative Structural and Functional Analysis of *Staphylococcus aureus* Glucokinase with other Bacterial Glucokinases.

Kumar PS, Kumar YN, Prasad UV, Yeswanth S, Swarupa V, Vasu D, Venkatesh K, Srikanth L, Rao VK, Sarma PVGK.

Indian J Pharm Sci 2014;76:430-6.

Glucokinase is classified in bacteria based upon having ATP binding site and 'repressor/open reading frames of unknown function/sugar kinases' motif, the sequence of glucokinase gene (JN645812) of *Staphylococcus aureus* ATCC-12600 showed presence of ATP binding site and 'repressor/open reading frames of unknown function/sugar kinases' motif. We have earlier observed glucokinase of *S. aureus* has higher affinity towards the substrate compared to other bacterial glucokinase and under anaerobic condition with increased glucose concentration *S. aureus* exhibited higher rate of biofilm formation. To establish this, 3D structure of glucokinase was built using homology modeling method, the PROCHECK and ProSA-Web analysis indicated this built glucokinase structure was close to the crystal structure. This structure was superimposed with different bacterial glucokinase structures and from the root-mean-square deviation values, it is concluded that *S. aureus*

glucokinase exhibited very close homology with *Enterococcus faecalis* and *Clostridium difficile* while with other bacteria it showed high degree of variations both in domain and nondomain regions. Glucose docking results indicated -12.3697 kcal/mol for *S. aureus* glucokinase compared with other bacterial glucokinase suggesting higher affinity of glucose which correlates with enzyme kinetics and higher rate of biofilm formation. Keywords ; Biofilm; RMSD; ROK; glucokinase; molecular docking

## 28. Mutations in exons 3 and 7 resulting in truncated expression of human ATP6V1B1 gene showing structural variations contributing to poor substrate binding- causative reason for distal renal tubular acidosis with sensorineural deafness.

Kumar PS, Venkatesh K, Sowjanya G, Srikanth L, Mudhu Sunitha M, Venkateswara Prasad U, Swarupa V, Yeswanth S, Sri Ram Naveen P, Sridhar A, Siva Kumar V, Sarma PVGK.

J Biomol Struct Dyn 2014;17:1-29.

Abstract Distal renal tubular acidosis (dRTA) is an Autosomal recessive syndrome results defect in either proximal tubule bicarbonate reabsorption or in distal tubule H<sup>+</sup> secretion and is characterized by severe hyperchloraemic metabolic acidosis in childhood. dRTA is associated with functional variations in the ATP6V1B1 gene encoding  $\beta$ 1 subunit of H<sup>+</sup> -ATPase, key membrane transporters for net acid excretion of  $\alpha$ -intercalated cells of medullary collecting ducts. In the present study a 13 year old male patient suffering with nephropathy and sensorineural deafness was reported in the Department of Nephrology. We predicted improper functioning of ATP6V1B1 gene could be the reason for diseased condition. Therefore, exon 3, 4 and 7 contributing active site of ATP6V1B1 gene was amplified and sequenced (Accession number: KF571726, KM222653). The obtained sequence was BLAST searched against the wild type

ATP6V1B1 gene which showed novel mutations c.307 A > G, c.308 C > A, c.310 C > G, c.704 T > C, c.705 G > T, c.709 A > G, c.710 A > G, c.714 G > A, c.716 C > A, c.717delC, c.722 C > G, c.728insG, c.741insT, c.753G > C. These mutations resulted in the expression of truncated protein terminating at Lys 209. The mutated ATP6V1B1 structure was superimposed with wild type showed extensive variations with RMSD 1.336 Å and could not bind to substrate ADP leading to non functional ATPase. These results conclusively explain these mutations in ATP6V1B1 gene resulted in structural changes causing accumulation of H<sup>+</sup> ions contributing to dRTA with sensorineural deafness.

### **29. Novel frame shift mutations ('A' deletion) observed in exon 9 of Wilms' tumor (WT1) gene in a patient reported with glomerulosclerosis.**

Kumar PS, Katari V, Lokanathan S, Uppu VP, Thummaginjala SS, Akkamgari RP, Ayapati T, Kottu R, Sarma PVGK.

Gene 2014;546:63-7.

Wilms' tumor-suppressor gene-1 (WT1) is a transcription factor that contains four zinc-finger motifs at the C-terminus and plays a crucial role in kidney and gonad development. We have identified primitive glomeruloid formation using immunohistochemistry in a patient who was clinically diagnosed with a Wilms' tumor. In order to understand the involvement of mutations in the WT1 gene, the genomic DNA was isolated from peripheral blood of the patient (18/F). Exon 9 of the WT1 gene was amplified and sequenced. The obtained sequence was BLAST searched against the transcript variants (TV) of the WT1 gene. An amplified exon 9 sequence of the WT1 gene showing similarity with exon 9 of TV-A, F and exon 10 of TV-B, D and E with a deletion of single nucleotide 'A' causing frame shift in the 4th zinc finger domain of the WT1 protein resulted in Wilms' tumor condition. The deletion position is variable with different transcript variants and they

are present at: for TV-A c.1592delA, p.468, for TV-F c.1053delA, p.259, for TV-B c.1643delA, p.485, for TV-D c.1652 delA, p.488, and for TV-E c.1095delA, p.273; all these variations resulted in frame shift mutation. In order to substantiate these results in silico analysis was carried out; the structural superimposition of wild type and mutant WT1 structures showed that the mutated region exhibited a different confirmation with RMSD of 1.759Å. Therefore, these results conclusively explain the mutation in the WT1 gene that leads to structural changes contributing to glomerulosclerosis.

### **30. In *Staphylococcus aureus* the regulation of pyruvate kinase activity by serine/threonine protein kinase favors biofilm formation.**

Vasu D, Sunitha MM, Srikanth L, Swarupa V, Venkateswara Prasad U, Sireesha K, Yeswanth S, Santhosh Kumar P, Venkatesh K, Abhijit Chaudhary, Sarma PVGK.

Biotech 2014; [E pub ahead of print]

*Staphylococcus aureus*, a natural inhabitant of nasopharyngeal tract, survives mainly as biofilms. Previously we have observed that *S. aureus* ATCC 12600 grown under anaerobic conditions exhibited high rate of biofilm formation and l-lactate dehydrogenase activity. Thus, the concentration of pyruvate plays a critical role in *S. aureus*, which is primarily catalyzed by pyruvate kinase (PK). Analyses of the PK gene sequence (JN645815) revealed presence of PknB site in PK gene indicating that phosphorylation may be influencing the functioning of PK. To establish this hypothesis the pure enzymes of *S. aureus* ATCC 12600 were obtained by expressing these genes in PK 1 and PV 1 (JN695616) clones and passing the cytosolic fractions through nickel metal chelate column. The molecular weights of pure recombinant PK and PknB are 63 and 73 kDa, respectively. The enzyme kinetics of pure PK showed K<sub>M</sub> of 0.69 ± 0.02 μM, while the K<sub>M</sub> of PknB for stpks (stpks = NLCNIPCSALLSSDITASVNC AK) substrate



was  $0.720 \pm 0.08$  mM and  $0.380 \pm 0.07$  mM for autophosphorylation. The phosphorylated PK exhibited 40 % reduced activity (PK =  $0.2 \pm 0.015$   $\mu$ M NADH/min/ml to P-PK =  $0.12 \pm 0.01$   $\mu$ M NADH/min/ml). Elevated synthesis of pyruvate kinase was observed in *S. aureus* ATCC 12600 grown in anaerobic conditions suggesting that the formed pyruvate is more utilized in the synthesis phase, supporting increased rate of biofilm formation.

### 31. Identification and analysis of novel R308K mutation in glucokinase of type 2 diabetic patient and its kinetic correlation.

Yellapu NK, Valasani KR, Santhosh Kumar P, Gopal S, Sarma PVGK, Matcha B.

Biotechnol Appl Biochem 2014;61:572-81.

Glucokinase (GK) plays a critical role in glucose homeostasis and the mutations in GK gene result in pathogenic complications known as Maturity Onset Diabetes of the Young 2, an autosomal dominant form of diabetic condition. In the present study, GK was purified from human liver tissue and the pure enzyme showed single band in SDS-PAGE with a molecular weight of 50 kDa. The kinetics of pure GK showed enzyme activity of  $0.423 \pm 0.02$   $\mu$ M glucose-6-phosphate (G6P)/mL/Min and  $K_m$  value of  $6.66 \pm 0.02$   $\mu$ M. These values were compared in the liver biopsy of a clinically proven type 2 diabetic patient, where GK kinetics showed decreased enzyme activity of  $0.16 \pm 0.025$   $\mu$ M G6P/mL/Min and increased  $K_m$  of  $23 \pm 0.9$   $\mu$ M, indicating the hyperglycemic condition in the patient. The genetic analysis of 10th exon of GK gene from this patient showed a R308K mutation. To substantiate these results, comparative molecular dynamics and docking studies were carried out where a higher docking score (-10.218 kcal/mol) was observed in the mutated GK than wild-type GK structure (-12.593 kcal/mol) indicating affinity variations for glucose. During the simulation process, glucose was expelled out from the mutant conformation but not from wild-type GK, making glucose

unavailable for phosphorylation. Therefore, these results conclusively explain hyperglycemic condition in this patient.

### 32. Phosphorylation controls the functioning of *Staphylococcus aureus* isocitrate dehydrogenase – favours biofilm formation.

Venkateswara Prasad U, Vasu D, Yeswanth S, Swarupa V, Sunitha MM, Choudhary A, Sarma PVGK.

J Enzyme Inhib Med Chem 2014;

Isocitrate dehydrogenase (IDH) gene from *Staphylococcus aureus* ATCC12600 was cloned, sequenced and characterized (HM067707). PknB site was observed in the active site of IDH; thus, it was predicted as IDH may be regulated by phosphorylation. Therefore, in this study, PknB, alkaline phosphatase III (SAOV 2675) and IDH genes (JN695616, JN645811 and HM067707) of *S. aureus* ATCC12600 were over expressed from clones PV 1, UVPALP-3 and UVIDH 1. On passing the cytosolic fractions through nickel metal chelate column, pure enzymes were obtained. Phosphorylation of pure IDH by PknB resulted in the complete loss of activity and was restored upon dephosphorylation with SAOV 2675 which indicated that phosphorylation and dephosphorylation regulate IDH activity in *S. aureus*. Further, when *S. aureus* ATCC12600 was grown in BHI broth, decreased IDH activity and increased biofilm units were observed; therefore, this regulation of IDH alters redox status in this pathogen favouring biofilm formation.

### 33. Manganese induced toxic effects on oxidative system and mRNA expression of Mn-SOD and Gpx in albino rat brain: protective effect of alpha tocopherol.

Bhuvaneshwari Devi C, Kiran KK, Jyotsna V, Indravathi G.

Inter Jour Inno Res Sci Eng Tech 2014;3:9252-62.

Manganese (Mn) is an essential metal that in excess can be toxic especially to brain. Mn exposure in humans and other animals is known to

affect central nervous system. Mn access to its toxic target, the brain, is a complex phenomenon subject to physiological and physiopathological processes in which, among others, the route of exposure plays an important role. The brain is the major target organ for Mn toxicity. It retains Mn much longer than other tissues. Following chronic overexposure, Mn caused SOD isoforms, CAT, GPx were decreased and produce a progressive, permanent neurodegenerative disorder, with few options for treatment and no cure. Oxidative stress plays a key role in manganese induced neurotoxicity. Therefore the brain is very susceptible to oxidative stress due to its high oxygen consumption. In the present study Mn was injected intraperitoneally (5 mg/kg b.w., i.p. and 10 mg/kg b.w., i.p.) to the male albino rats and oxidative stress enzymes Super oxide dismutase (SOD), Cu/Zn-SOD, Catalase (CAT), Glutathione peroxidase (GPx) were decreased significantly in high and low dose of Mn exposure in different brain regions (cerebral cortex, cerebellum and hippocampus) leads to alteration in the activity of antioxidant enzymes. Decrease in antioxidant enzymes were more in high dose compared to low dose. Mn-induced neurotoxicity is both dose and time dependent. Gene expression studies also showed down regulation of Mn- SOD and GPx in dose dependent manner. Our results showed that  $\alpha$ -tocopherol expressed protective role against toxic influence of Mn in high and low dose on all examined parameters in rat brain regions.

#### **34. Arsenic induced perturbations in cholinergic system and energy metabolism in young and adult rat brain: reversal effect of vitamin-E.**

Bhuvaneswari Devi C, Kiran KK, Indravathi G.

Inter Jour Inno Res Sci Eng Tech 2014;3:16840-9.

Arsenic (As) occurs naturally as an element, ranks as the 20th most occurring trace element in the earth's crust. Arsenic is a known human carcinogen which acts via a genotoxic mechanism. Chronic exposure to inorganic

arsenic compounds may lead to peripheral and central neurotoxicity. The aim of this study was to examine the impact of As exposure on cholinergic system and energy metabolism. In the present study the three months albino rats were exposed to low dose (1.5 mg/kg body weight) and high dose (3 mg/kg body weight) of As through intraperitoneal injection daily for a period of 3 weeks. After the period of dosage, the As exposed animals were divided into two groups of which one group of both the doses were given Vitamin – E at a dose for a period of one week. The specific activity of enzyme AChE and ACh content were estimated in synaptosomal fractions of cerebral cortex, hippocampus and cerebellum of control and all As exposed rats. The specific activity of enzymes  $Mg^{2+}$  ATPase and  $Na^{+}K^{+}$ ATPase were determined in the mitochondrial fraction of cerebral cortex, hippocampus and cerebellum of control and all As exposed rats. It was observed that AChE,  $Mg^{2+}$  ATPase and  $Na^{+}K^{+}$ ATPase activities were decreased and ACh content was increased in cerebral cortex, hippocampus and cerebellum of As-exposed (both low and high dose) rats when compared to control rats. The effect of As was highly pronounced in high dose As exposed animals compared to the low dose exposed rats. However, AChE,  $Mg^{2+}$  ATPase and  $Na^{+}K^{+}$ ATPase activities were increased and ACh content was decreased in the rats supplemented with Vitamin-E along with low dose and high dose of As. Among the three brain regions the cerebral cortex was found to be more susceptible region towards As induced toxicity compared to the, hippocampus and cerebellum. This study demonstrates exposure to As provoked neuronal injury by inducing alterations in enzymes of cholinergic system and energy metabolism in dose dependent manner, where high dose exposure showed significant alterations compared to the low dose exposure. However, Vitamin-E treatment have partial ameliorative effects on these disturbance caused by As toxicity.

#### **35. Manganese induced hematological altera-**

### **tions in albino rats: reversal effect of $\alpha$ -tocopherol.**

Indravathi G, Kiran kumara K, Bhuvaneswari Devi C.

Inter Jour Inno Res Sci Eng Tech 2014;3:14988-99.

Manganese (Mn) is a mineral element is nutritionally essential and potentially toxic to biological tissues. Due to pollution Mn level is potential in environment. In the present study Albino rats were exposed to manganese and  $\alpha$ -tocopherol to observe the possible interactions. Albino rats of two months and four months were exposed to Mn by intraperitoneal injections dissolved form of Manganese sulphate (MnSO<sub>4</sub>).  $\alpha$ -tocopherol was given to the Mn exposed rats through intraperitoneal injections (30mg/Kg bw). Rats were randomly divided into five groups with different treatments such as Controls, Low Mn exposure (2.5 mg/kg bw), Low dose of Mn exposure along with  $\alpha$ -tocopherol, High dose of Mn exposure (5mg/kg bw), High dose of Mn exposure along with  $\alpha$ -tocopherol in two different age groups two months and four months. Hematological changes were observed after Mn exposure. In this study, we have examined that the red blood cells, white blood cells, hemoglobin, packed cell volume, serum urea, serum creatinine, serum cholesterol, serum bilirubin. Hematological changes in low and high dose of Mn exposure showed decrease in Red blood cells, hemoglobin, packed cell volume and increase in white blood cells, serum urea, serum bilirubin, serum creatinine, and serum cholesterol in dose dependent manner.  $\alpha$ -tocopherol is considered the most effective liposoluble antioxidant. However, the animals which received  $\alpha$ -tocopherol with low and high dose of Mn showed recovery. The two months rats showed more susceptibility to Mn and also showed more recovery with  $\alpha$ -tocopherol when compared to four months rats.

### **36. In vitro effect of lead on cholinergic and**

### **bioenergetic system in synaptosomal and mitochondrial fractions of rat brain regions.**

Bhuvaneswari Devi C, Jyotsna V, Kiran kumara K, Indravathi G, Archana T.

Inter Jour Adva Life Sci 2014;7:1-10.

Lead has been known to have effects on a wide range of molecular and cellular mechanisms in the mammalian brain, including energy metabolism. The deleterious effects of these metals appear to be proportional to the degree of exposure to their high levels leading to an encephalopathy in children. Such high levels can lead to mental retardation, cognitive impairments and serious maladaptive behaviour in children. The present study was aimed at examining the impact of in vitro lead exposure on the cholinergic system and bioenergetic systems which play a crucial role in learning and cognitive functions, and the development of central nervous system. Lead exposure decrease the AChE, Mg<sup>2+</sup> ATPase and Na<sup>+</sup>K<sup>+</sup> ATPase content in all brain regions in the rat. However, the ACh content increased progressively with the increase in Pb concentration. The results are discussed.

### **37. Left ventricular myocardial performance index for assessment of acute periprocedural outcomes in coronary artery disease patients after successful percutaneous coronary intervention.**

Siva Sankara C, Rajasekhar D, Latheef K, Subramanyam G, Vanajakshamma V, Siva Prasad PV.

J Indian Coll Cardiol 2014;4:144-51.

**Background:** To investigate prospectively the improvement of myocardial performance index (MPI) in coronary artery disease (CAD) patients after successful percutaneous coronary intervention (PCI), to assess prognostic value of MPI in predicting acute periprocedural adverse events and to analyze influence of other correlating factors on MPI and its post PCI improvement.



**Methods:** After patient selection, detailed clinical history was taken and risk factors (diabetes mellitus (DM), hypertension (HTN), smoking, obesity) were noted. Body mass index was measured. Baseline ST segment deviation in 12 lead electrocardiogram (ECG) on the day of PCI was calculated. MPI, left ventricular ejection fraction (LVEF), wall motion score index (WMSI) were measured serially one day before PCI and one day after successful PCI.

**Results:** A total of 101 patients with CAD were included in the study. Age, sex, diabetic status, presence of HTN and degree of ST segment deviation did not affect the baseline MPI but New York heart association (NYHA) class III ( $p = 0.04$ ), WMSI ( $p = 0.002$ ), LVEF ( $p < 0.05$ ), degree of stenosis ( $p = 0.05$ ) and diastolic dysfunction Grade III ( $p < 0.001$ ) had significant influence on MPI. A significant positive correlation was observed between baseline MPI and WMSI (standardized  $\beta$  coefficient 0.3,  $p = 0.002$ ). Significant negative correlation was found between baseline MPI and ejection fraction of left anterior descending artery (LAD) group (standardized  $\beta$  coefficient = 0.47,  $p < 0.05$ ). On Cox univariate regression analysis, we identified baseline WMSI ( $p = 0.01$ ) and presence of American College of Cardiology Class (ACC)-C lesions ( $p = 0.02$ ) as independent predictors of adverse outcome after PCI. Neither baseline MPI ( $p = 0.29$ ) nor post PCI MPI ( $p = 0.79$ ) was independently related to adverse outcomes in this study model.

**Conclusion:** In current era of stenting, neither baseline nor post PCI MPI can predict acute periprocedural adverse events. WMSI and complex lesion morphology are good predictors of acute periprocedural adverse outcomes.

### 38. Effects of statin therapy on endothelial function in metabolic syndrome.

Boochi Babu M, Rajasekhar D, Vanajakshamma V, Vinod Kumar M, Latheef K.

Int J Clin Med 2014;5:149-56.

**Context:** Endothelial dysfunction is an early predictor of adverse cardiovascular events. The present study evaluated asymptomatic metabolic syndrome (MS) patients with brachial artery endothelial dysfunction to determine whether a reversal of endothelial dysfunction occurs with statin treatment.

**Aim:** To evaluate the short term effects of statins on endothelial function in asymptomatic metabolic syndrome patients.

**Methodology:** This was a prospective, single centre, case-control study. We evaluated 50 recently diagnosed newly detected asymptomatic MS patients who underwent an assessment of endothelial function by brachial artery flow-mediated dilation (FMD) before and after treatment with 40 mg atorvastatin for one week.

**Results:** A total of 50 MS patients, including 36 (62%) females and 14 (38%) males, were included in the study. The mean age of the patients was  $49.70 \pm 8.84$  y. We identified a significant difference between cases and age- and sex-matched controls regarding baseline brachial artery FMD% ( $6.73 \pm 2.55$  vs.  $11.03 \pm 1.85$ , respectively;  $p < 0.001$ ). Significant negative correlations were detected between FMD% and HDL-cholesterol ( $r = -0.34$ ,  $p = 0.01$ ), fasting blood sugar ( $r = -0.40$ ,  $p = 0.004$ ), and systolic blood pressure ( $r = -0.34$ ,  $p = 0.015$ ). Multiple linear regression analysis indicated that HDL-cholesterol was an independently associated factor for FMD. MS patients treated with 40 mg atorvastatin for one week showed a significant improvement in brachial artery FMD% ( $6.73 \pm 2.55$  before treatment vs.  $10.19 \pm 3.01$  after treatment,  $p < 0.001$ ).

**Conclusions:** MS is associated with endothelial dysfunction and decreased brachial artery FMD compared with controls. Statin treatment for one week significantly improved brachial artery endothelial function in MS patients.

### 39. Impact of Metabolic syndrome on global

#### left ventricular function: as evaluated by Myocar-dial performance index.

Sreenivasa Kumar ML, Rajasekhar D, Vanajakshamma V, Latheef K.

J Saudi Heart Assoc 2014;26:145-51.

**Background:** Metabolic syndrome is associated with the development of diabetes mellitus and cardiovascular disease. The impact of metabolic syndrome on the progression of atherosclerosis has been well documented. This study was designed to evaluate the impact of metabolic syndrome on global left ventricular function by using left ventricular myocardial performance index (LVMPI).

**Methods:** The diagnosis of metabolic syndrome was made as per the criteria of the International Diabetes Federation. Echocardiography was performed with a Philips IE33 machine using a 1-5 MHz transthoracic probe. LVMPI was calculated by adding isovolumic contraction time with isovolumic relaxation time and dividing it by ejection time.

**Results:** The mean LVMPI value in metabolic syndrome was  $0.64 \pm 0.09$ , while that in controls was  $0.48 \pm 0.06$  ( $p < 0.001$ ). Metabolic syndrome was seen to have more significant influence on LVMPI.

**Conclusions:** Metabolic syndrome is a strong predictor of sub-clinical myocardial dysfunction in subjects free of clinically apparent heart disease.

#### 40. Clinical efficacy of L-carnitine in scorpion sting myocarditis: a randomised study.

Rajasekhar D, Vanajakshamma V, Ravikanth A, Praveen Kumar BS.

J Indian Coll Cardiol 2014;4:14-7.

**Background:** Scorpion sting is a public health problem in tropical and subtropical countries including India. Delay in recognition and the hypoxemia increase the morbidity and mortality (12–25%). Various therapeutic modalities were applied in the management of

scorpion envenomation but the golden therapy is yet to emerge.

**Material and methods:** Forty consecutive patients were randomly assigned to L-carnitine or non-L-carnitine group. Patients in L-carnitine group were administered 1 g L-carnitine injection 8th hourly for five days followed by oral L-carnitine 2 g/day till complete recovery.

**Results:** The mean time interval between the scorpion sting and clinical presentation was 12 h (range 2–24 h). Time interval was shorter than 4 h in 22.5% (9/40). At presentation it was hypotension (30, 75%) and tachycardia (36, 90%) in majority. CPK ( $\geq 200$  mg/dl) was elevated in majority (84.8%, 28/33) and CPK-MB was elevated in 86.8% (33/38). Majority of the patients had LV function below 20%. All survivors had full recovery of LV function. Average time to normalization of LV function was 6.7 days. Significant reduction in LV end diastolic and end systolic volume and improvement in ejection fraction was observed in both groups ( $p < 0.01$ ).

**Conclusion:** This study showed that both groups are not significantly different and also could not rule out any beneficial effect of L-carnitine in the management of scorpion envenomation. Hence, L-carnitine could be a useful drug in patients with hypotension, and severe LV dysfunction.

#### 41. Reliability of doppler-based measurement of pulmonary vascular resistance in congenital heart disease with left-to-right shunt lesions.

Srinivas B, Vanajakshamma V, Nishanth VP, Pranav P, Tammi Raju I, Amar Narayan P, Seshagiri Rao D.

Echocardiography 2014;

**Background:** Pulmonary vascular resistance (PVR) is a crucial parameter in the management of patients with left-to-right shunt lesions. Cardiac catheterization (Cath) is the gold standard test to assess PVR ( $PVR_{cath}$ ), but it is invasive and hence, risky in children with pulmonary arterial hypertension (PAH). A

noninvasive tool to assess PVR is desirable. Ratio of tricuspid regurgitation velocity (TRV) and time-velocity integral of right ventricular outflow tract ( $TVI_{RVOT}$ ) by Doppler was previously shown to be a reliable noninvasive method for estimation of PVR in acquired PAH.

**Methods:** Peak TR velocity and  $TVI_{RVOT}$  were recorded from 63 prospective patients with various congenital shunt lesions. Subsequently, the patients were subjected to cath in less than 2 hours. The patients were subdivided into four subsets based on age and pulmonary arterial mean pressure (PAMP). A regression equation was developed for calculation of PVR from  $TRV/TVI_{RVOT}$  ( $PVR_{Echo}$ ) which was indexed for BSA ( $PVRI_{Echo}$ ). Bland–Altman analysis was done for agreement between  $PVRI_{cath}$  and  $PVRI_{Echo}$ . Receiver operating characteristic (ROC) curves were plotted to test the identity of the two methods and also the applicability of  $PVRI_{Echo}$  across a wide range of Wood units.

**Results:** Receiver operating characteristic curve plotted between the two methods showed good identity. Bland–Altman analysis showed excellent agreement between the two methods with negligible bias. ROC curves showed that  $PVRI_{Echo}$  was accurate in distinguishing different cutoff values of PVR in each of the 4 groups.

**Conclusion:** Noninvasive Doppler estimation of PVR is reliable in patients with shunt lesions over a wide range of PVR.

#### 42. Safety and efficacy of sirolimus-eluting stent in diabetic patients compared with non-diabetic patients undergoing percutaneous coronary intervention.

Rajasekhar D, Vanajakshamma V, Sarath Babu D, Sivasankara C, Bhavesh MK, Thakkar AS.

J Cardiol Therap 2014;2:21-6.

**Background:** The research has been shown that the clinical outcomes of diabetic patients undergoing revascularization either coronary artery bypass grafting or percutaneous coronary intervention (PCI) are inferior to that of non-

diabetic patients.

**Objectives:** We have carried out the registry to assess the clinical outcomes of the patients with diabetes mellitus (DM) compared to the patients without DM after the PCI with sirolimus-eluting stent.

**Methods:** Indolimus Diabetic registry is a single-centre; single-armed, retrospective registry that enrolled 530 patients who underwent PCI with Indolimus<sup>®</sup> stent at the Sri Venkateswara Institute of Medical Sciences, Tirupati, India during the study period. The endpoint of the registry was a major adverse cardiac event (MACE) defined as a composite of cardiac death, myocardial infarction (Q-wave and non-Q-wave not clearly attributable to a non-target vessel), target lesion revascularization (TLR) and target vessel revascularization (TVR) and that were observed at 30-days and at 6-months follow-up.

**Results:** Among 530 patients, 169 patients were having DM. It is noteworthy that the patients with DM were more often women (29.6% vs. 18.0%), hypertensive (54.4% vs. 34.1%) and higher incidence of revascularization (4.2% vs. 2.5%). Double vessel disease was more prevalent in diabetic population as compared to non-diabetics (37.9% vs. 24.9%). Total 617 lesions were encountered in 530 patients (202 in diabetic patients and 415 in non-diabetic patients). There was no significant difference observed in the lesion class. There was no statistical significant difference observed for cardiac death (1.8% vs. 1.7%,  $p=1.00$ ) and MACE (1.8% vs. 1.9%,  $p=1.00$ ) in diabetic and non-diabetic patients at 30-days follow-up. However, at 6-month follow-up, it has been observed that the occurrence of MACE was higher but not statistically significant in diabetic patients as compared to non-diabetic patients (4.1% vs. 2.5%,  $p=0.29$ ).

**Conclusions:** In this Indolimus Diabetic registry, MACE rate did not significantly differ between diabetic and non-diabetic population at 30-days and at 6-months follow-up. However, long term follow-up is needed to determine whether a



similar safety profile is maintained.

#### **43. Study of clinical, Radiological, Echocardiographic features and correlation of Qanadli CT index with RV dysfunction and outcome in pulmonary embolism.**

Praveen Kumar BS, Rajasekhar D, Vanajakshamma V.

Indian Heart J 2014;66:629-34.

**Background:** There are no Indian studies correlating the CT pulmonary embolism index (Qanadli) with right ventricular function and outcome. In the present study we aimed to study the clinical manifestations of patients presenting with acute pulmonary thromboembolism and correlate the radiographic features with echocardiographic features and outcome. **Methods:** Thirty five patients presenting with symptomatic acute pulmonary thromboembolism in between 2011 and 2013 were studied for clinical, radiological and echocardiographic features and outcome (in-hospital & 1 month follow up).

**Results:** The mean duration of presentation after onset of symptoms was  $5.7 \pm 3.7$  days. Right ventricular dysfunction was observed in 11 (31.4%) patients. Out of 35 patients in whom CT pulmonary angiogram performed, 14 patients had Qanadli PE index  $>60\%$  of whom 11 (78.6%) patients had right ventricular dysfunction. None had right ventricular dysfunction when PE index was  $<60\%$  ( $p < 0.001$ ). There was significant correlation between pulmonary vascular obstruction index and right ventricular dysfunction ( $p < 0.0001$ ). Nine (25.7%) patients were thrombolysed with Streptokinase. Total mortality including in-hospital and 1 month follow up was 11.4% (4 patients). The mortality in patients with PE index  $>60\%$  was 21.4% and was nil with  $<60\%$  ( $p = 0.02$ ). The mortality in patients with right ventricular dysfunction was 27.2% and was nil without right ventricular dysfunction ( $p = 0.0075$ ).

**Conclusion:** A PE index which was shown to be a

strong independent predictor of right ventricular dysfunction in PE, correlating linearly with different variables associated with higher morbidity and mortality, enabling accurate risk stratification and selection of patients for more aggressive treatment.

#### **44. Multiple ruptures of left sinus of Valsalva aneurysm into main pulmonary artery.**

Vamsidhar A, Rajasekhar D, Vanajakshamma V, Babu DS, Rao KS, Vinod B.

Asian Cardiovasc Thorac Ann 2014;2014 Jun 17. pii: 0218492314540290.[E pub ahead of print]

Sinus of Valsalva aneurysm is a rare congenital glitch. We report an extremely rare case of left sinus of Valsalva aneurysm compressing and rupturing into the main pulmonary artery with 2 communications. The 34-year-old man also had severe aortic regurgitation and severe tricuspid regurgitation. He underwent successful polytetrafluoroethylene patch repair and aortic valve replacement. The rarity of this case highlights the need for a precise preoperative diagnosis, the roles of transthoracic echocardiography, transesophageal echocardiography, and 3-dimensional echocardiography, and the importance of prompt surgical management.

#### **45. Percutaneous transcatheter treatment of Lutembacher syndrome.**

Boochi Babu M, Rajasekhar D, Vanajakshamma V.

JNTR Univ Health Sci 2014;3:180.

Lutembacher syndrome is a rare combination of congenital ostium secundum atrial septal defect (ASD) and acquired rheumatic mitral stenosis. The gold standard treatment for this condition is the surgical closure of ASD and mitral valve replacement. Here, we report a case of Lutembacher syndrome treated percutaneously with a combined ASD closure with Cocoon septal occluder and balloon mitral valvotomy.

#### 46. A comparative study on health status of geriatric population of slum and non slum areas of Kadapa town, Andhra Pradesh.

Khadervali Nagoor, Srikanth BA, Raziya D, Ramsagarreddy, Satna K.

J Evol Med Dent Sci 2014;3:1298-107.

**Aims:** The study aims to compare the health status of the elderly population residing in slum and non-slum areas in Kadapa region and to find out the association between socio-demographic profile and health status of the elderly population. The community based cross sectional study was conducted on 200 elderly subjects selected from slums (n=100) and non-slums (n=100) using multistage simple random technique. Structural questionnaire was used to collect data. The study showed that the proportion of females 112 (56%) among the elderly population were seen more than males 88 (44%) in both clusters. 52% in slum were illiterate, with per capita income of  $\leq$  675INR (44%) with class V (33%) in slum areas compared to the non-slum areas (58%) on Class II and III. Among 200 elderly persons studied, the average illness per person was 4.56. Visual problem due to cataract and refractive errors 144 (72%) and pain in joints 114 (59.5%) was most common morbidity in both slum and non-slums areas followed by gastrointestinal (46%) and dental problems (44%). Other morbidities were hypertension in 84 (42%), genitourinary 50 (25%), dermatological 47 (23.5%) and psychological problems 32 (16%). 49% of the subjects had a normal BMI ( $18.5-24.99\text{Kg/m}^2$ ) in slums as compared to 40% of the non-slums having BMI  $\geq 25\text{Kg/m}^2$ .

**Conclusions:** There were no geriatric clinics found in both the areas. Providing social assistance by social organizations and Mobile geriatric clinic services should be provided in both slum and non-slum areas in Kadapa region, south India.

#### 47. Study of iron folic acid supplementation program in the field practice area of RIMS

#### medical college, Kadapa.

Kumar DSS, Balakrishna C, Kumar KJK, Chandrashekar K.

J Med Sci Tech 2014;3:13-8.

Surveys in different parts of India indicate that about 50 to 60 per cent of women belonging to low socio-economic groups are anemic in the last trimester of pregnancy. The major etiological factors are iron and folic acid deficiencies. The Government of India has initiated a program in which 100 mg of elemental Iron and 500 mcg of folic acid are being distributed daily to pregnant women through antenatal clinics, primary health centers and their sub centers. The current study is intended to study the effectiveness of the iron supplementation program in the field practice areas of RIMS medical college. Baseline data of antenatal cases is recorded with the help of a pretested questionnaire. Their blood samples are collected on the date of registration and analyzed for hemoglobin concentration by cyan meth hemoglobin method. First pack of IFA containing 30 tablets is given to the subject along with administration instructions. These steps are repeated on subsequent antenatal visits at 20, 32 and 36 weeks of pregnancy as per norms. During these subsequent visits hemoglobin concentrations are measured and compliance for IFA supplementation is enquired. A total of 1196 registered ANCs were taken into study of which only 598 could be followed till the outcome of pregnancy. The mean age was 23.6 yrs with SD 2.97. Majority (40.07%) of the women were second gravida and primipara. Mean Hemoglobin values varied significantly with the literacy status of women. Mean Hemoglobin values varied significantly at every visit with supplementation of IFA. All the women receiving IFA supplementation did not have adequate hemoglobin levels at the time of delivery.

#### 48. Analysis of road traffic accidents in Kurnool city.

Sujith Kumar D S

Int J Med Health Sci 2014;3:35-9

**Background:** In road traffic, risk is a function of four elements. The main risk factors for road traffic injuries are- Factors influencing exposure to risk, Risk factors influencing crash involvement, Risk factors influencing crash severity, Risk factors influencing severity of post-crash injuries and Lack of appropriate care in the hospital emergency room.

**Materials & Methods:** Information regarding the Road traffic accident and the accident victims is collected from casualty department of GGH, Kurnool. Data of accidents for a period of one year is collected to study the patterns of accidents.

**Results:** During the study period of one year 808 accidents occurred. Men are more involved in comparison to women with men to women ratio of 4.78. People in the age group 20–39 yrs are the most affected. 34.4% accidents occurred when the victim was travelling on a motorcycle. 66.7% of accidents occurred in between 8 am and 8 pm.

**Conclusions:** Majority of accidents occurred in the day while fatal accidents are more during the nights. Young people are the most affected with men to women ratio of around five. People travelling by motorized two wheelers are majority of the victims of road traffic accidents.

#### **49. To Study the Awareness of Health Care Personnel Involved in Biomedical Waste Management in New Government General Hospital at Vijayawada, Andhra Pradesh.**

Meesala L, Junapudi SS

J Evol Med Dent Sci 2014; 3:2492-6.

**Background:** The recent developments in healthcare units are precisely made for the prevention and protection of community health. Sophisticated instruments have come into existence in various operations for disease treatment. Such improvement and advances in scientific knowledge has resulted in per capita per patient generation of wastes in health care units.

Waste generated in the process of health care are composed of variety of wastes including hypodermic needles, scalpels, blades, surgical cotton, gloves, bandages, discarded medicine, body fluids, human tissues and organs, chemicals etc., other wastes generated in healthcare settings include radioactive wastes, mercury containing instruments, PVC plastics etc., so the awareness of personnel involved in the management of biomedical waste is important.

**Aim:** To assess the waste handling and treatment system of hospital bio-medical solid waste and its mandatory compliance with regulatory notifications for bio-medical waste (BMW) management rules 1998, under Environment Protection Act (EPA) 1986, Ministry of Environment & Forest, Government of India at Government General Hospital (GGH), Vijayawada, Andhra Pradesh.

**Settings And Design:** This cross sectional study was conducted in GGH at Vijayawada, Andhra Pradesh.

**Material and Methods:** 75 study subjects selected were personnel involved in management of hospital solid waste observed for one month and frequency tables, percentages, and proportions were used as statistical applications.

**Statistical Analysis:** Analysis was done using MS – Excel software.

**Results and Conclusions:** Out of gross total quantity of BMW generated in entire GGH, Vijayawada 74% of it is general waste. Knowledge levels regarding storage of BMW was more among class IV employees, were as awareness in differentiation of infectious and non-infectious waste was more among staff nurses.

#### **50. A Comparative Study of Prevalence of Tobacco use among Urban Population of Harzpena and Rural Population of Patancheru, Hyderabad.**

Junapudi SS, Meesala L

J Evol Med Dent Sci 2014;3:5021-29.



**Background:** Tobacco use is a major public health problem globally. According to the World Health Organization (WHO), tobacco is the second most important cause of death in the world. It is currently estimated to be responsible for about 5 million deaths each year worldwide. In India, it is responsible for over 8 lakh deaths every year.

**Objective:** To estimate the prevalence of tobacco use among urban population of Harzpena and rural population of Patancheru, Hyderabad.

**Study Setting:** Urban Health Centre, Harazpenta and Rural Health Centre, Patancheruvu.

**Study Design:** Community Based Cross-Sectional Study.

**Materials and Methods:** A Proforma was designed and pretested with pilot study at the Harazpenta and the actual study was started after making necessary corrections. A total of 1400 persons in the age group of above 15 years were interviewed at their residence.

**Data Analysis:** By Using MS Office 2003. Epiinfo2007.

**Statistical Test:** Rates, Ratios, Proportions and Chi-square tests.

**Conclusion:** Smoking habit was more (19.2%) among urban population when compare to the rural (13.4%) population. Urban area out of 426 males, 31% were smokers. Smokeless tobacco use was 8.5% in rural area and 11.8% in urban area. Passive smokers were 42.9% in urban area and 38.8% rural area. Smoking habit was more prevalent in Muslims 22.2% in urban area and in Christians 29.3% in rural area. Smoking habit was more among unskilled workers (50.0%) in urban population and is more among skilled workers (38.6%) in rural population.

### 51. Low prevalence of latent autoimmune diabetes in adults in northern India.

Sachan A, Zaidi G, Sahu RP, Agrawal S, Colman PG, Bhatia E.

Diabet Med 2014; Nov 29. doi:10.1111/dme.12644. [E pub ahead of print]

**Aim:** To study the frequency of islet antibodies in a large cohort of clinic- and community-based patients with Type 2 diabetes in northern India.

**Methods:** We measured glutamic acid decarboxylase (GAD) antibodies in 618 adults with Type 2 diabetes (378 patients with diabetes attending a hospital clinic, 240 patients diagnosed in a community survey) and in 192 healthy subjects residing in north India. Islet antigen 2 (IA2) antibodies were also studied in a proportion of the patients with diabetes (n = 492) and in a control population (n = 191). GAD and IA2 antibodies were measured by immunoprecipitation of the respective <sup>35</sup>S-labelled recombinant antigen.

**Results:** We found that GAD antibodies were present in nine (1.5%) patients with diabetes (clinic population: 0.8%, community study: 2.5%), a prevalence similar to that among the subjects without diabetes (n = 2; 1%). IA2 antibodies were detected in seven patients with Type 2 diabetes (1.4%) and in two healthy control subjects (1.0%). The frequency of either GAD or IA2 antibodies was similar in people with and without diabetes (3.2 vs 2.1%). No subject was found to have both antibodies. Insulin requirement was higher among antibody-positive than among antibody-negative patients (GAD antibody: 33 vs 6.3%; P = 0.001; GAD or IA2 antibody: 23.1 vs 6.4%; P = 0.02); however, other clinical features were similar in the two groups.

**Conclusions:** In the present north-Indian population with Type 2 diabetes, the overall prevalence of GAD antibodies and the prevalence of either GAD or IA2 antibodies were considerably lower than those reported in white European populations.

### 52. Vitamin B12 levels are not affected by radioiodine ablation of the thyroid.

Potham SK, Vaikkakara S, Sachan A, S. P.V.L.N.Rao, Kalawat TC, Ravi P, Sunil E, Rajitha D, Arun M, Sailaja A. Vitamin B<sub>12</sub>

Endocr Regul 2014;48:77-85.

**Objective:** Radioiodine administered for the treatment of hyperthyroidism and thyroid cancer can be taken up by many non-thyroid tissues which express sodium iodide symporter. Though gastric mucosa takes up radioiodine, its impact on parietal cell has not been evaluated. The aim of the present study was to compare vitamin B12 and homocysteine concentrations in patients with thyroid disorders treated by radioiodine ablation with those in control population without radioiodine exposure.

**Methods:** Patients with Graves' disease, toxic multinodular goiter (TMNG), toxic adenoma (TA) or differentiated thyroid cancer (DTC) who had received 131I were included as "patients". Healthy persons and patients having Graves' disease but without exposure to radioiodine were recruited as "controls". A total of 35 patients and 35 controls were included. Patients were divided into Graves' disease and non-Graves' disease (TMNG, TA, DTC) groups. Graves' disease patients were compared with Graves' disease controls while non-Graves' disease patients were compared with healthy controls.

**Results:** In the Graves' disease group, median vitamin B12 concentration was 240 pg/ml (IQR: 148 - 371) in patients (n=23) and 195 pg/ml (IQR: 140 - 291 pg/ml) (p=0.13, ns) in controls (n=24). In the non-Graves' disease group, median serum vitamin B12 concentration was 147 pg/ml (IQR: 124 - 325 pg/ml) in patients (n=12) and 190 pg/ml (IQR: 157 - 373 pg/ml) (p=0.34, ns) in healthy controls (n=11). Homocysteine concentrations were also similar in compared groups of patients and controls.

**Conclusions:** Radioiodine ablation does not cause vitamin B12 deficiency. However, a prospective study with a larger number of patients is required to confirm this finding.

**53. Isolated extra pontine myelinolysis – a rare imaging appearance of osmotic demyelination syndrome.**

Rajitha D, Sunil E, Vengamma B, Vijayalakshmi Devi B, Lakshmi AY, Sachan A.

J Clin Sci Res 2014;3:38-41.

Rapid correction of hyponatraemia leads to serious neurological complications, like osmotic demyelination syndrome (ODS). In ODS, magnetic resonance imaging (MRI) often reveals features of pontine myelinolysis, that may occur in isolation or may, sometimes be associated with extrapontine myelinolysis. Isolated extrapontine myelinolysis is rare. We report the case of a 53-year-old lady brought to the emergency service with vomitings, and altered sensorium. She was found to have profound hyponatraemia (serum sodium 110 meq/L). Correction of hyponatremia was done with slow intravenous infusion of 3% sodium chloride. However, inadvertent, concomitant oral administration of salt led to overcorrection with serum sodium going up to 150 meq/L. She developed quadriplegia, depressed level of consciousness and respiratory failure and required ventilatory support. MRI brain showed features of isolated extrapontine myelinolysis.

**54. Changes in pre-and post-donation haematological parameters in plateletpheresis donors.**

Suresh B, Arun R, Yashovardhan A, Deepthi K, Sreedhar Babu KV, Jothibai DS.

J Clin Sci Res 2014;3:85-9.

**Background:** Recently the use of single donor platelet (SDP) concentrates has grown steadily due to its employment in chemotherapy protocols. Technical advances in automated cell separators have substantially improved the productivity and quality of the collection of apheresis platelets.

**Methods:** We prospectively studied 90 healthy donors who volunteered for plateletpheresis. We compared the pre and post-plateletpheresis haematological values, namely, haemoglobin (Hb), haematocrit, platelet count, mean corpuscular volume, mean corpuscular haemo-

globin, mean corpuscular haemoglobin concentration, platelet distribution width (PDW), red blood cell count, white blood cell (WBC) count and mean platelet volume (MPV) in all of them.

**Results:** Following plateletpheresis a significant decrease in pre- and post-donation Hb (g/dL) ( $14.8 \pm 1.097$  Vs  $14.5 \pm 1.4$ ;  $p=0.002$ ); haematocrit (%) ( $43.29 \pm 6.62$  Vs  $41.64 \pm 4.96$ ;  $p=0.045$ ); platelet count ( $\times 10^9$  /L) ( $280.34 \pm 54.55$  Vs  $175.58 \pm 44.56$ ;  $p<0.001$ ); WBC count ( $\times 10^3$  / $\mu$ L) ( $8.28 \pm 1.88$  Vs  $6.95 \pm 1.76$ ;  $p<0.001$ ); and PDW (fL) ( $15.96 \pm 1.38$  Vs  $4.96 \pm 0.67$ ;  $p=0.053$ ) and a slight rise in MPV (fL) ( $8.61 \pm 0.77$  Vs  $8.72 \pm 0.83$ ;  $p=0.067$ ) were observed. However, none of them developed clinical manifestation of anaemia or thrombocytopenia.

**Conclusions:** Close monitoring and follow-up for these donors is indicated to prevent unfavourable events caused by these changes.

#### **55. The spectrum of Vasovagal reactions in blood donors – report of certain cases**

Deepthikrishna G, Sreedhar Babu KV, Jothibai DS.

Asian Acad Res J Mult Disp 2014;1:464-8.

Blood donors are the roots of the transfusion tree. Blood donation by the healthy donors is generally a safe procedure. But transient vasovagal reactions (VVR) occur in a small percentage of donors (0.4%). But during the recent peak summer days, this increased to 1.5%. This made us to take extra care of the donors which could prevent some severe reactions. Yet certain unusual occurrences that happened are reported.

#### **56. Hemolytic Disease of the Newborn Due to Multiple Maternal antibodies: a case report**

Suresh B, Deepthi K, Yashovardhan A, Arun R, Sreedhar Babu KV, Jothibai DS, Bhavani V.

J Clin Sci Res 2014;3:198-20.

Haemolytic disease of the foetus and newborn (HDFN) is a condition in which the lifespan of an infant's red blood cells (RBCs) is

shortened by the action of specific maternal immunoglobulin G (IgG) antibody. Rhesus (Rh)-D haemolytic disease of the newborn is a prototype of maternal isoimmunization and foetal haemolytic disease. Although rare, the other blood group antigens capable of causing alloimmunization and haemolytic disease are c, C, E, Kell and Duffy. We report a case of HDFN due to anti-D and anti-C in the maternal serum as a result of anamnestic response to Rh-D and C antigens. This report highlights the importance of antibody screening in antenatal women which could assist in diagnosing and successfully treating the foetus and newborn with appropriate antigen negative cross-matched compatible blood.

#### **57. Mature cystic teratoma with synchronous immature teratoma of opposite ovary in a nine year old girl- a varied presentation of common tumor- case report with review of literature**

Sai Prasad BV, Md K Faheem N, Indrani G, Vittal Mohan P, Sreedhar Babu KV, Sreenivasulu M.

Int J Res Dev Health 2014;2:75-80.

Teratomas are most common germ cell tumors with two or more germ cell layers. Mature teratomas are common compared to Immature teratomas. These tumors are common in young and adolescent girls and induce large impact on their reproductive life and on the natural life span, which in turn depends upon the complications in case of Mature teratoma; Grading and staging of tumor in Immature teratoma. We present here a case of Mature cystic teratoma in one ovary and Immature teratoma in opposite ovary in a nine year old girl. A common tumor with uncommon and varied presentation.

#### **58. Apnoea INOSA Guidelines Working Group; Indian Initiative on Obstructive Sleep. Consensus & evidence-based INOSA Guidelines 2014 (first edition).**

Sharma SK, Katoch VM, Mohan A, Kadhiraan T, Elavarasi A, Ragesh R, Nischal N, Sethi P, Behera D, Bhatia M, Ghoshal AG, Gothi D, Joshi



J, Kanwar MS, Kharbanda OP, Kumar S, Mohapatra PR, Mallick BN, Mehta R, Prasad R, Sharma SC, Sikka K, Aggarwal S, Shukla G, Suri JC, Vengamma B, Grover A, Vijayan VK, Ramakrishnan N, Gupta R.

Indian J Med Res 2014;140:451-68.

Obstructive sleep apnoea (OSA) and obstructive sleep apnoea syndrome (OSAS) are subsets of sleep-disordered breathing. Awareness about OSA and its consequences amongst the general public as well as the majority of primary care physicians across India is poor. This necessitated the development of the Indian initiative on Obstructive sleep apnoea (INOSA) guidelines under the auspices of Department of Health Research, Ministry of Health & Family Welfare, Government of India. OSA is the occurrence of an average five or more episodes of obstructive respiratory events per hour of sleep with either sleep related symptoms or co-morbidities or  $\geq 15$  such episodes without any sleep related symptoms or co-morbidities. OSAS is defined as OSA associated with daytime symptoms, most often excessive sleepiness. Patients undergoing routine health check-up with snoring, daytime sleepiness, obesity, hypertension, motor vehicular accidents and high risk cases should undergo a comprehensive sleep evaluation. Medical examiners evaluating drivers, air pilots, railway drivers and heavy machinery workers should be educated about OSA and should comprehensively evaluate applicants for OSA. Those suspected to have OSA on comprehensive sleep evaluation should be referred for a sleep study. Supervised overnight polysomnography (PSG) is the "gold standard" for evaluation of OSA. Positive airway pressure (PAP) therapy is the mainstay of treatment of OSA. Oral appliances are indicated for use in patients with mild to moderate OSA who prefer oral appliances to PAP, or who do not respond to PAP or who fail treatment attempts with PAP or behavioural measures. Surgical treatment is recommended in patients who have failed or are

intolerant to PAP therapy.

### **59. Subclinical atherosclerosis in patients with rheumatoid arthritis by utilizing carotid intima-media thickness as a surrogate marker.**

Mohan A, Sada S, Kumar BS, Sarma KV, Devi BV, Rao PVLN, Rajasekhara D, Katyarmal DT.

Indian J Med Res 2014;140:379-86.

**Background & objectives:** Patients with rheumatoid arthritis (RA) are more prone for accelerated atherosclerosis and Asian Indians as an ethnic group are predisposed to a high risk of premature atherosclerosis. However, sparse data are available regarding the burden of atherosclerosis among asymptomatic adult patients with RA in south India. We studied the burden of asymptomatic atherosclerosis in adult south Indian patients with RA at Tirupati, Andhra Pradesh, India, utilizing carotid intima-media thickness (CMT) as a surrogate marker.

**Methods:** Ultrasound examination of the carotids and CMT measurement (mm) were carried out in 32 patients with RA, 32 age- and gender-matched normal controls, and 32 patients with atherosclerosis and angiographically proven coronary artery disease. The CMT values in patients with CAD and normal controls were used to derive the appropriate cut-off value of CMT for defining atherosclerosis that would be applicable for the ethnic population studied.

**Results:** Patients with RA had a higher mean CMT (mm) compared with normal control subjects ( $0.598 \pm 0.131$  vs  $0.501 \pm 0.081$ ;  $p = 0.001$ ). Carotid plaque was found more frequently among the cases compared with normal controls [5/32 (15.6%) vs 0/32 (0%),  $p=0.020$ ]. Using this cut-off value derived by the receiver operator characteristic curve method ( $\geq 0.57$  mm; sensitivity 84.4; specificity 90.6%) and the 75th percentile value among normal controls ( $\geq 0.55$  mm) as surrogate markers, the presence of subclinical atherosclerosis was significantly more among asymptomatic patients with RA compared with normal controls [(59.3 vs 12.5%;  $p<0.001$ )

and (62.5 vs 25%;  $p < 0.001$ ) respectively]

**Interpretation & Conclusions:** Based on the present findings CIMT appears to be a useful surrogate marker for detecting subclinical atherosclerosis in adult Indian patients with RA.

#### 60. Kikuchi-Fujimoto disease presenting as pyrexia of unknown origin.

Mohan A, Harikrishna J, Prabath Kumar D, Dinesh Kumar N, Radhika K, Phaneendra BV.

J Clin Sci Res 2014;3:2-6.

**Background:** Kikuchi-Fujimoto disease, a benign self-limited lymphadenopathy is an uncommon cause of pyrexia of unknown origin (PUO).

**Methods:** We retrospectively studied the case-records of 13 patients presenting with PUO who were diagnosed to have Kikuchi-Fujimoto disease on peripheral lymph node excision biopsy and report the salient clinical manifestations and histopathological findings in them. All of them received symptomatic treatment.

**Results:** Their median age was 28 [interquartile range (IQR) 18.5-38.0] years. Women (11/13, 84.6%) were more frequently affected. All of them were human immunodeficiency virus (HIV) seronegative. Prior to presenting to us, two were being treated for lymph node tuberculosis with DOTS. Cervical lymph nodes were predominantly involved, the distribution being: right cervical (n=10, 76.9%); left cervical (n=4); and bilateral cervical (n=2). Axillary and generalized lymphadenopathy were rare being seen in 2 and 1 patient respectively. The median (IQR) erythrocyte sedimentation rate (n=11) was 53 (35-89) mm at the end of first hour. Salient histopathological features were paracortical patchy zones of eosinophilic fibrinoid necrosis with karyorrhectic debris, large numbers of histiocytes, including histiocytes with peripherally placed "crescentic" nuclei. Spontaneous regression of fever and lymphadenopathy was observed over a median (IQR) period of 8 (6.75-10.25) months in all of them.

**Conclusions:** Kikuchi-Fujimoto disease is a rare but important cause of PUO presenting with peripheral lymphadenopathy. Women are most often affected and cervical lymph nodes are the most frequently involved site. Clinical suspicion and thoughtful collaboration between clinicians and pathologists are essential for accurate diagnosis, and to minimize unnecessary investigations and inappropriate aggressive treatment.

#### 61. Prevalence of thyroid disorders and metabolic syndrome in adult patients with rheumatoid arthritis.

Siddhartha Kumar B, Sivaram Naik G, Mohan A, Prabath Kumar D, Suresh V, Sarma KVS, Srinivasa Rao PVLN, Katyarmal DT.

J Clin Sci Res 2014;3:97-105.

**Background:** The clinical association between rheumatoid arthritis (RA) and hypothyroidism is important as both these conditions are associated with metabolic syndrome (MetS) which in turn makes the patients more prone for cardiovascular disease.

**Methods:** In this cross-sectional study, the prevalence of thyroid disorders and MetS were studied in 54 consecutive adult patients with RA (mean age  $46.0 \pm 10.4$  years; 48 females) and 54 age - and gender-matched healthy control subjects.

**Results:** The prevalence of thyroid disorders was higher in patients with RA than in control subjects; however, this difference was not statistically significant [19/54 (35.2%) Vs 12/54 (22.2%);  $p = 0.201$ ]. Nine patients with RA already known to have hypothyroidism were receiving levothyroxine treatment. Among the remaining RA patients (n=45), a significantly higher prevalence of autoimmune thyroid disease (AITD) (10/45 Vs 4/54;  $\chi^2 = 4.437$ ,  $p = 0.045$ ) and subclinical hypothyroidism with anti-thyroid peroxidase (anti-TPO) antibody positivity (4/45 Vs 0/54;  $\chi^2 = 5.002$ ,  $p = 0.040$ ) were observed compared with healthy control subjects. The prevalence of MetS was higher in patients with

RA than in control subjects; however, this difference was not statistically significant [31/54 (57.4%) Vs 25/54 (46.3%);  $p=0.336$ ].

**Conclusions:** A significantly higher prevalence of AITD and subclinical hypothyroidism with anti-TPO antibody positivity in patients with RA suggests that these patients would benefit from screening for AITD. The co-existence of hypothyroidism and RA reiterates the need for monitoring and early identification of cardiovascular risk factors in patients with RA.

## **62. Newer antituberculosis drugs**

Mohan A, Harikrishna J, Prabath Kumar D.

World Clin Pulm Crit Care Med 2014;3:86-96

In spite of being a leading cause of death globally, tuberculosis (TB) has remained a neglected disease. There has been a recent spurt in the discovery and development of newer anti-TB drugs. Several new and repurposed drugs are being evaluated as anti-TB drugs. Among newer drugs, delamanid (OPC-67683), bedaquiline (TMC207), and PA-824, appear most promising for the treatment of drug-resistant TB. Among the repurposed drugs, fluoroquinolones (e.g., moxifloxacin), rifamycins (e.g., rifapentine), clofazimine, among others are being evaluated in ongoing clinical studies. Newer drug delivery systems, especially nanotechnology-based drug delivery systems offer the potential advantages of improving patient adherence, reducing pill burden, and shortening the treatment duration. Combined efforts using newer and repurposed anti-TB drugs, newer drug delivery systems, and innovative clinical trial designs, such as multi-arm multi-stage determinations of efficacy of newer anti-TB drug combinations, appear essential in the battle against TB.

## **63. Comparison of ELISA with indirect immunofluorescence for detection of anti-nuclear antibody.**

Sumanth Kumar GLS, Chaudhury A, Verma A, Kalawat U, Ramana BV, Siddhartha Kumar B.

J Clin Sci Res 2014;3:237-42.

**Background:** Detection of antinuclear antibody (ANA) is used as one of the diagnostic criteria for autoimmune rheumatic diseases (ARD). Both indirect immunofluorescence (IIF) and enzyme linked immunosorbent assay (ELISA) methods are used for this purpose. However, there is lack of data comparing these two tests from India.

**Methods:** We prospectively studied 294 patients clinically suspected to be having ARD between April 2012 and September 2013. They were tested for ANA by IIF and ELISA methods. Representative samples positive by both the tests were processed again by a line immunoassay test to detect the specific antinuclear antibodies. Considering the IIF results as the 'gold standard', the utility of ELISA for ANA detection was analyzed.

**Results:** Of the 294 samples processed, 181 (61.5%) were from female patients. By IIF 30% of samples in males and 40.3% sample in females tested positive. We found ELISA to have a poor sensitivity (45.8%) but good specificity (99.5%). The positive predictive value for ELISA was 98% and negative predictive value 76.2% respectively. Forty four samples positive by both IIF and ELISA were tested by Western blot to detect individual autoantibodies. Of these, only 24 samples showed the presence of one or more bands, while the remaining 20 (45.4%) were negative by line immunoassay. In our study anti-nuclear ribonucleoprotein/Smith was the most common ANA detected.

**Conclusions:** The poor sensitivity raises concerns regarding the practice of initial screening for ANA by ELISA

## **64. Seroprevalence of scrub typhus among febrile patients – A preliminary study**

Usha K, Kumar E, Kalawat U, Siddhartha Kumar B, Chaudhury A, Sai Gopal DVR.

Asian J Pharm Clin Res 2014;7:19-21.

**Aim:** Scrub typhus is a vector borne zoonotic disease re-emerging in India. But there



are no reports from Andhra Pradesh till date due to low index of suspicion and lack of diagnostic facilities. This emphasizes the need for a study on this re-emerging Zoonosis.

**Methodology:** A total of 280 sera samples with pyrexia of unknown origin were screened by using Weil-Felix test, rapid immunochromatographic method and ELISA.

**Result:** Among the tested 280 febrile ill patients, 158 (56.42%) was found to be positive by Weil-Felix test, 163 (58.21%) was positive by ELISA and 160 (57.14%) was positive by immunochromatographic test.

**Conclusion:** By this study it can be inferred that awareness about vector borne zoonotic diseases is crucial. Clinical practice, epidemiological surveys and definite diagnostic tests have to be developed to study this neglected area, since this condition is very much prevalent in this part of the country

#### 65. Functional study of efflux pump inhibitors in clinical isolates of multidrug resistant *Klebsiella pneumoniae*

Surendranath CR, Ramana BV, Chaudhury A, Gururaj Kumar A.

Asian J Pharm Clin Res 2014;7:80-2.

**Objective:** Recent studies showed that multidrug resistant (MDR) efflux mechanism is most common. The prevalence of active drug efflux pump was investigated in clinical isolates of *Klebsiella pneumoniae* (*K. pneumoniae*) exhibiting a multidrug-resistant phenotype in tertiary care hospital.

**Materials and Methods:** The effects of efflux pumps inhibitors (EPI's) Reserpine 25 µg/ml and MC207-110 (Phe-Arg-beta-naphthylamide (PaßN), Sigma) 25 µg/ml, was studied on MDR clinical isolates of *K. pneumoniae*. The minimal inhibitory concentration(MIC) was performed for all the collected Clinical Isolates during the period of two years for fluoroquinolone in presence and in the absence of inhibitors as per the CLSI broth dilution method.

**Results:** 10% of the isolates have shown reduction in MIC in the presence of PaßN and Reserpine.

**Conclusions:** The study indicates the necessity for the detection of overexpressing efflux pumps at diagnostic level at least in tertiary care hospitals.

#### 66. Prevalence of *Acinetobacter* species and its antibiogram pattern in a tertiary care hospital, Tirupati, Andhra Pradesh

Kumar E, Usha K, Ramana BV, Chaudhury A, Sai Gopal DVR.

Int J Pharm Res Bio Sci 2014;3:352-8.

**Background:** The species belonging to the genus *Acinetobacter* are currently reported as opportunistic pathogens and shows multidrug resistance in hospitalized patients. The aim of this study was to isolate the clinical *Acinetobacter* species from NFGNB (Non Fermentative Gram Negative Bacilli) other than *Pseudomonas* and analyze their antibiogram (antibiotic susceptibility) patterns. This study helps to know the persistence of antibiotic resistance and decide the optional treatment feasible for *Acinetobacter* infections.

**Materials and Methods:** *Acinetobacter* species were isolated and identified by standard methods. For isolated cultures antibiotic susceptibility pattern was determined by the standard disc diffusion method (Kirby-Bauer's disc diffusion method).

**Results:** The total number of *Acinetobacter* species isolated during one year period was 235 (79.93%) from 294 NFGNB. The *Acinetobacter* species was predominant in catheter tip 95 (40.42%) followed by pus 42 (17.87%), samples. This study shows first-rate susceptibility to tigecycline (100%) and followed by imipenem 73.18%.

**Conclusion:** This study states that there is an emergence of *Acinetobacter* species with increased rate of multidrug resistance in the area of study. Hence, it is important to determine

*Acinetobacter* species form NFGNB in the neglected area and do further antibiotic susceptibility test for accurate treatment.

#### 67. Prevalence of asymptomatic bacteriuria in non-pregnant reproductive age women.

Suneetha N, Ramana BV, Kasturi T, Gururaj Kumar A.

Int J Pharm Res Bio Sci 2014;3:700-6.

**Introduction:** Prevalence of asymptomatic bacteriuria in non-pregnant reproductive age women population was found to be 7.5%. The prevalence was found to be higher in the 41- 43 years age group and it increases with age.

**Materials and methods:** 400 non-pregnant reproductive age women were screened for the presence of asymptomatic bacteriuria. In all the cases clean catch mid-stream urine specimens were analysed by various screening methods and traditional culture technique. Culture was taken as a gold standard against which the screening methods were compared.

**Results:** Maximum number of positive cases were identified in 31-40 years non-pregnant reproductive age women who formed 9% of the study. *Escherichia coli* was the predominant organism isolated (53.3%). The drug resistant pattern revealed that different bacterial species were resistant to cotrimoxazole followed by gentamicin and nalidixic acid. The sensitivity to drugs which are routinely used to treat asymptomatic bacteriuria such as ceftriaxone, cefatoxime, ciprofloxacin and amikacin were found to be less and the use of ceftriaxone with the sensitivity needs prospective study.

**Conclusion:** Antimicrobial drug treatment is highly successful in women with symptomatic, uncomplicated urinary tract infection but ultimately, the efficacy of specific antimicrobial drugs is limited by increased antimicrobial resistance.

#### 68. Vancomycin MIC of Enterococcus showing reduced zone of inhibition by disk diffusion method.

Sagarika PV, Ramana BV, Chaudhury A.  
Int J Pharm Res Bio Sci 2014;3:737-42.

Enterococci are normal residents of the gastrointestinal and biliary tract and in lower number in the vagina and male urethra, occasionally in oropharyngeal secretions and on skin especially in perianal area. Enterococci have become one of the most common nosocomial pathogens. The incidence of nosocomial Enterococci infections has seen an increase in the last two decades and Enterococci are the second most common cause of nosocomial urinary tract and wound infections and the third most common cause of nosocomial bacteremias. Resistance to several commonly used antimicrobial agents is a remarkable characteristic of most of Enterococcal species. Isolation of Enterococci resistant to multiple antibiotics has become increasingly common in the hospital setting. The acquisition of Vancomycin resistance by Enterococci has seriously affected the treatment and infection control of these organisms. Identification at genus level was done by Gram's Staining, Catalase and Bile-Esculin Test. Detection of Vancomycin Resistant Enterococcus by Disk Diffusion Method, In this method Muller-Hinton Agar without NaCl was used. Antimicrobial susceptibility testing of the isolated strains of Enterococci to various antimicrobial discs was carried out according to Kirby-Bauer disc diffusion method. The Enterococci standard ATCC strain was used for quality control. The MIC value of 100 isolates varied from 0.5 - 32 µg/ml. Among them 95 were VSE (MIC ≤ 4 µg/ml), 4 were VIE (MIC 8-16 µg/ml) and 1 strain was VRE (MIC ≥ 32 µg/ml). VRE strain was isolated from blood sample from a female patient. Thus prompt isolation, accurate identification and antibiotic susceptibility testing of Enterococci will help in the early identification of antibiotic resistant isolates, especially the Vancomycin resistant Enterococci and enable us to control their spread.

### 69. Species distribution and antifungal susceptibility profile in vaginal candidiasis

Madhumati B, Rani KL, Murty DS, Reddy BKN, Ramana BV..

Int J Pharm Res Bio Sci 2014;3:497-502.

**Aim:** Vulvovaginal candidiasis is an important cause of morbidity in women of reproductive age. This study was carried out to determine the frequency of vaginal candidiasis and the susceptibility profile of the *Candida* species to antifungal agents.

**Material and Methods :** The study was carried out prospectively in S.V Medical College over a period of one year. A total of 200 vaginal swabs were collected from women between the age group of 20-40 years with self reported symptoms of vaginal discharge and subjected to microscopy and fungal culture. Antifungal susceptibility was performed by disk diffusion method.

**Results:** Among 119 (59.5%) positive cultures, *Candida albicans* was the predominant species (n=57, 48%). The following non-*albicans* species were isolated – *Candida tropicalis* (26%), *Candida glabrata* (22%), *Candida parapsilosis* (1-7%), *Candida kefyr* (1-7 %) and *Candida krusei* (0-8%). 100% sensitivity was seen to amphotericin-B. Isolates of *Candida albicans* were susceptible to the azoles tested. Among the non-*albicans*, resistance to azole antifungal agents was encountered in strains of *Candida glabrata* and *Candida tropicalis*. 5 isolates (19%) of *Candida glabrata* were resistant to fluconazole and ketoconazole and 2 (7.6%) isolates were resistant to itraconazole whereas 1(3.2%) isolate of *Candida tropicalis* is resistant to itraconazole and ketoconazole.

**Conclusion:** The frequency with which non-*albicans* *Candida* species were isolated and their reduced susceptibility to the azole agents emphasizes the need for species identification and antifungal susceptibility as a part of laboratory diagnosis of vaginal candidiasis.

### 70. Bacteriology of wound infections and

### antibiotic susceptibility pattern of the pathogens.

Verma Anju, Usha Kalawat U, ShobhaRani A, Sumanth Kumar GLS, Chaudhury A.

J Soc Wound Care Res 2014;7:33-41.

**Objective:** Early diagnosis of the pathogens and their susceptibility pattern can make a difference in terms of deciding more accurate empirical antibiotics, early recovery and economic treatment. This study was carried out to know the prevalence of common wound infections, their bacteriology and the sensitivity pattern of the isolates to commonly used antibiotics.

**Methods:** In a prospective study between May 2012 -Nov. 2012, samples from clinically suspected wound infections from different sites of infection were cultured and isolates were identified and antibiotic sensitivity test was done using Kirby Bauer disk diffusion method as per CLSI guidelines.

**Results:** Out of 464 samples 346 (74.5%) samples were culture positive. Poly microbial isolates were encountered from 112 (32.3%) samples and single isolate from 234 (67.6%) samples. Maximum number of samples were from surgical site infections (111), followed by diabetic foot infections (104). Total isolates grown were 426 of which 316(74.2%) were gram negative bacilli (GNB) and 110(25.8%) were gram positive cocci (GPC). Among GNB, *E.coli* was the most common organism followed by *Pseudomonas* and *Klebsiella* and *Staphylococcus aureus* was the most common organism among GPC, followed by *Enterococcus*. All the gram negative isolates were sensitive to tigecycline whereas all gram positive isolates were sensitive to linezolid. Few *Enterococci* were resistant to Vancomycin (10.8%).

**Conclusion:** The prevalence and resistance pattern of the isolates between May 2012 - Nov.2012 is presented to help in selection of empiric antimicrobial therapy in certain



compelling clinical situations and in deciding infection control measures.

### 71. Membranoproliferative glomerulonephritis and Pott's disease

Ram R, Sandeep P, Sridhar AVSN, Rukumangadha N, Sivakumar V.

Clin Kidney J 2014;7:391–3.

The reports of glomerular lesions of kidney due to tuberculosis are sparse. A 48-year-old gentleman, presented with swelling of feet of 3 months duration. As he had renal impairment, proteinuria and normal-sized kidneys, he was subjected to renal biopsy. The light microscopy and immuno fluorescence revealed the diagnosis was membrano-proliferative glomerulonephritis. During hospital stay, the patient complained fever and stiffness at thoracic spine. The MRI of thoraco-lumbo-sacral spine revealed paravertebral abscess at D11–D12. The pus aspirated was positive for *Mycobacterium tuberculosis*. He was started on anti-tuberculous medication. After 8 weeks of therapy, the serum creatinine was 1.5 mg/dL and 24 h urine protein 250 mg.

### 72. Management of Guillain-Barré syndrome with plasmapheresis or immunoglobulin: our experience from a tertiary care institute in South India.

Krishna Kishore C, Vijayabhaskar J, Vishnu Vardhan R, Sainareesh VV, Sriramnaveen P, Sridhar AVSSN, Varalaxmi B, Sandeep P, Ram R, Vengamma B, Siva Kumar V.

Ren Fail. 2014;36 :732-6

Guillain-Barré syndrome (GBS), an acute inflammatory demyelinating polyneuropathy is the most common generalized paralytic disorder. The objective was to study the outcome of disability grade in two groups of GBS treated with plasmapheresis alone and treated with IVIg alone. A retrospective analysis of all consecutive patients with GBS, admitted in our intensive care unit during the period of 3 years, 2009-2012 were included in the study. All patients of GBS who

were to be treated with plasmapheresis or IVIg, the modality of management were always decided at their preference and consent after explaining the modalities to patient/family. The plasma exchange done was ~ 200-250 mL of plasma per kilogram weight in five sessions (40-50 mL/kg per session) within 7-14 days. The replacement fluid contained 100 mL of 20% albumin diluted in 1000 mL of normal saline and 1000 mL of fresh frozen plasma. IVIg was administered as 0.4 g/kg body weight daily for 5 days. Our observations brought out the following, both the plasmapheresis and IVIg treatments were effective in reducing the disability grade amongst all time points, i.e., at presentation, immediate post-therapy and after 4 weeks. There was a marginal superiority in plasmapheresis over IVIg effect. However, whether the delay in presentation as noted in our study probably would have contributed to this effect was conjectural.

### 73. Renal Tubular Acidosis in Sjogren's Syndrome: A case series.

Ram R, Swarnalatha G, Dakshinamurthy V

Am J Nephrol 2014;40:123-30.

**Background:** The exact frequency of distal and proximal renal tubular acidosis (RTA) in Sjögren's syndrome is unknown. Other features of Sjögren's syndrome like polyuria, glomerular manifestations, familial occurrence and pregnancy are not widely reported. The aim was to prospectively study the clinical features and outcome of distal and proximal RTA in Sjögren's syndrome and also report on other renal manifestations of Sjögren's syndrome.

**Methods:** The present study is a prospective consecutive case series of patients who presented with a history suggestive of RTA and Sjögren's syndrome. All patients were followed for 1 year. The diagnosis of RTA was by fractional excretion of bicarbonate. The diagnosis of Sjögren's syndrome was according to the American-European classification system [modified by Tzioufas and Voulgarelis: Best Pract Res Clin

Rheumatol 2007;21:989-1010].

**Results:** The total number of RTA patients diagnosed during this period was 149. Sjögren's syndrome accounted for 34.8% (52 of 149) of RTA patients. The important symptoms and laboratory parameters were oral and ocular symptoms in 23 (44.2%), dental caries in 12 (23%), body pains in 47 (90.3%), mean serum pH  $7.202 \pm 0.03$ , mean serum bicarbonate,  $14.03 \pm 1.66$  mmol/l, and mean urine pH,  $7.125 \pm 0.54$ . There were 30 (57.6%) patients with distal RTA and 22 (42.3%) patients with proximal RTA.

**Conclusions:** The clinical implication of the present study is that RTA is a common feature of Sjögren's syndrome. It may be missed if the presentation is not due to oral and ocular symptoms. The present study is also the only one with a 1-year follow-up.

#### **74. Embolic occlusion of arteriovenous fistula due to infective endocarditis.**

Ram R, Swarnalatha G, Mahapatra S, Dakshinamurthy KV.

Indian J Nephrol 2014;24:400-1.

A 45-year-old male on maintenance hemodialysis through right radio cephalic arteriovenous fistula (AVF) also had mitral regurgitation. He presented with fever and chills of 2 days duration along with pain and swelling at median cubital fossa of right upper limb. Local examination revealed warmth, redness, and tenderness at median cubital fossa. AVF thrill was absent. Echocardiography revealed vegetations on the mitral valve. An extensive search of literature did not reveal an instance of embolic occlusion of AVF due to vegetations of infective endocarditis.

#### **75. Atenolol and amlodipine combination overdose managed with continuous venovenous hemodiafiltration: a case report.**

Sandeep P, Ram R, Sowgandhi N, Reddy SA, Katyarmal DT, Kumar BS, Kumar VS.

Indian J Nephrol 2014;24:327-9.

We present a patient who ingested large dose of atenolol and amlodipine and was treated successfully with continuous venovenous hemodiafiltration. Early recognition of indications for renal support and early initiation of the same is the key to successful management.

#### **76. Acquired perforating dermatoses in a patient of Diabetic End stage Renal Disease on CAPD-a Case Report.**

Sulochana N, Hemalatha M, Latha C, Chaitanya V, Ram R, Sivakumar V.

Indian J Perit Dial 2014;27:63-5.

Acquired perforating dermatosis is a rare entity described in association with patients of chronic kidney disease. The presentation and clinical details and management were discussed.

#### **77. Renitiation of peritoneal dialysis after catheter removal for refractory peritonitis**

Ram R, Swarnalatha G, Dakshinamurthy KV.

J Nephrol 2014;27:445-9.

A high proportion of patients whose catheters are removed are unable to successfully reinstitute peritoneal dialysis (PD) due to irreversible peritoneal injury or to decisions made by the patient or the nephrologist for different and often empiric reasons. The present study examined the outcomes of patients reinitiated on PD after peritonitis. We reviewed all patients with end-stage renal disease who were initiated on continuous ambulatory peritoneal dialysis at our Institute in south India between 1998 and 2012, identifying those in whom the catheter was removed and the cases where PD was reinitiated, analysing the reasons and outcome. We compared data of patients who could be reinitiated on PD with those who could not be reinitiated and also data of patients who successfully continued PD after reinitiation with those who suffered technique failure. Peritoneal dialysis was reinitiated in 31 (19.4 %) of 159 patients whose catheter was removed owing to refractory peritonitis, including after an episode of

*Pseudomonas aeruginosa* and fungal peritonitis. Some patients had the catheter placed for a third time. No significant difference was found between patients who reinitiated PD vs. did not, or between those who were successful in reinitiating PD vs. unsuccessful. Notwithstanding the small cohort size, the present study demonstrates that reinitiating PD is feasible in a developing country, and also that reinitiation of PD is possible after an episode of *P. aeruginosa* and fungal peritonitis. However, future studies in a larger patient cohort and assessing dialysis adequacy are required to confirm and extend our findings.

### **78. Membranoproliferative glomerulonephritis and Pott's disease**

Ram R, Sandeep P, Sridhar AVSSN, Rukumangadha N, Sivakumar V.

Clin Kidney J 2014;7:391-3.

The reports of glomerular lesions of kidney due to tuberculosis are sparse. A 48-year-old gentleman, presented with swelling of feet of 3 months duration. As he had renal impairment, proteinuria and normal-sized kidneys, he was subjected to renal biopsy. The light microscopy and immunofluorescence revealed the diagnosis was membrano-proliferative glomerulonephritis. During hospital stay, the patient complained fever and stiffness at thoracic spine. The MRI of thoraco-lumbo-sacral spine revealed paravertebral abscess at D11-D12. The pus aspirated was positive for *Mycobacterium tuberculosis*. He was started on anti-tuberculous medication. After 8 weeks of therapy, the serum creatinine was 1.5 mg/dL and 24 h urine protein 250 mg.

### **79. Isolated hemimegalencephaly in an adult.**

Rao JVB, Vengamma B, Naveen T, Ramakrishna G  
J Neuro Sci Rural Pract 2014;5:439-41.

The article describes the case of a 30-year-old right-handed male patient with a history of recurrent episodes of seizures and who developed hemimegalencephaly (HME). Topics discussed include the results of the patient's laboratory

examinations, electroencephalogram (EEG) and magnetic resonance imaging (MRI), an overview of other HME cases, and a review of common EEG patterns in patients with HME

### **80. Lead encephalopathy in adults**

Rao JVB, Vengamma B, Naveen T, Naveen V.

J Neuro Sci Rural Pract 2014;5:2.

Lead poisoning is a common occupational health hazard in developing countries. We report the varied clinical presentation, diagnostic and management issues in two adult patients with lead encephalopathy. Both patients worked in a battery manufacturing unit. Both patients presented with seizures and one patient also complained of abdominal colic and vomiting. Both were anemic and a lead line was present. Blood lead level in both the patients was greater than 25 µg/dl. Magnetic resonance imaging of brain revealed bilateral symmetric involvement of the thalamus, lentiform nucleus in both patients and also the external capsules, sub-cortical white matter in one patient. All these changes, seen as hyperintensities in T2-weighted images suggested demyelination. They were advised avoidance of further exposure to lead and were treated with anti-epileptics; one patient also received D-penicillamine. They improved well on follow-up. Lead encephalopathy is an uncommon but important manifestation of lead toxicity in adults.

### **81. Central nervous system infections in the intensive care unit**

Vengamma B, Rajguru M, Prasad BCM, Ramesh Chandra VV.

J Clin Sci Res 2014;3:106-13.

Neurological infections constitute an uncommon, but important aetiological cause requiring admission to an intensive care unit (ICU). In addition, health-care associated neurological infections may develop in critically ill patients admitted to an ICU for other indications. Central nervous system infections



can develop as complications in ICU patients including post-operative neurosurgical patients. While bacterial infections are the most common cause, mycobacterial and fungal infections are also frequently encountered. Delay in institution of specific treatment is considered to be the single most important poor prognostic factor. Empirical antibiotic therapy must be initiated while awaiting specific culture and sensitivity results. Choice of empirical antimicrobial therapy should take into consideration the most likely pathogens involved, locally prevalent drug-resistance patterns, underlying predisposing, co-morbid conditions, and other factors, such as age, immune status. Further, the antibiotic should adequately penetrate the blood-brain and blood-cerebrospinal fluid barriers. The presence of a focal collection of pus warrants immediate surgical drainage. Following strict aseptic precautions during surgery, hand-hygiene and care of catheters, devices constitute important preventive measures. A high index of clinical suspicion and aggressive efforts at identification of aetiological cause and early institution of specific treatment in patients with neurological infections can be life saving.

## **82. Hypokalaemic paralysis due to Sjogren's syndrome**

Ramakrishna G, Sandeep P, NageshKumar S, Rukumangadha N, Chowhan AK, Suchitra MM, Ram R, Vengamma B, Siva Kumar V.

J Clin Sci Res 2014;3:251-6.

Acute generalized weakness has a wide differential diagnosis that includes neurologic, metabolic, and infectious aetiologies. Acute hypokalaemic paralysis is a rare but treatable cause of acute weakness. We present a 23-year old lady, with history of sudden difficulty getting up from recumbency. Her initial investigations revealed hypokalemia with non- anion gap metabolic acidosis and alkaline urine. Minor salivary gland biopsy confirmed the diagnosis to be Sjögren's syndrome.

## **83. Cutaneous metastasis of transitional cell carcinoma of the urinary bladder: cytological aspect.**

Narayana MA, Patnayak R, Rukmangadha N, Chowhan AK, Kottu R, Phaneendra BV.

J Cytol 2014;31:50-2.

Cutaneous metastasis from transitional cell carcinoma urinary bladder is a rare clinical entity associated with poor prognosis. This case report describes a 51-year-old male who presented with multiple cutaneous metastases arising from high grade transitional cell carcinoma bladder with lamina propria invasion. The prominent cytological features include medium sized to large pleomorphic cells with irregular nuclear outlines, coarse chromatin pattern, and tumor giant cells. An awareness of this rare clinical entity and high index of suspicion is needed for diagnosis.

## **84. Carcinoma or sarcoma of the breast.**

Patnayak R, Rajasekhar S, Narendra H, Manishi L Narayan, Kalawat TL, Silpa K, Jena A.

J Basic Clin Repro Sci 2014;3:37-41.

Carcinosarcomas comprise less than 1% of invasive carcinomas of the breast. They are a heterogeneous group of malignant tumors in which part or all of the carcinomatous epithelium is transformed into a nonglandular component by metaplastic growth process. We report a case of carcinosarcoma of breast. She was a 62-year-old female who presented with complaint of pain and lump in left breast of 6 months duration. There was a discharging ulcer measuring 4 × 6 cm over the nipple of 1-month duration. Computed tomography of chest and positron emission tomography report was suggestive of carcinoma of left breast with left axillary lymphadenopathy and lung metastasis. Histopathology of the tumor was reported as infiltrating duct cell carcinoma (IDC) with angiosarcoma. The IDC was estrogen and progesterone receptor negative and Human Epidermal Growth Factor -2 receptor positive.

The angiosarcoma was positive for vimentin, vascular endothelial growth factor, CD34, and CD31. The Ki-67 labeling index was 60% and the epidermal growth factor receptor was positive. This is a case of carcinosarcoma of breast adding to the existing literature.

#### **85. Well-differentiated fetal adenocarcinoma of the lung in an adult male: report of an unusual tumor with a brief review of literature.**

Patnayak R, Jena A, Rukmangadha N, Lakshmi AY, Chandra A.

J Can Res The 2014;10:419-21.

We report a case of a well-differentiated fetal adenocarcinoma (W DFA) of the lung in a 50-year-old male smoker. The literature regarding this uncommon tumor is limited. This rare variant of adenocarcinoma is more common in females, in the third and fourth decades. Microscopically it is composed of neoplastic glands and tubules that resemble the fetal lung. Well-differentiated fetal adenocarcinoma is a low-grade malignancy and surgery is the preferred mode of therapy. This uncommon case of a well-differentiated fetal adenocarcinoma in an adult male patient is reported, with relevant immunohistochemical findings, along with a discussion of the current literature.

#### **86. Should We Apply Suction During Fine Needle Cytology of Thyroid Lesions? A Prospective Study of 200 Cases.**

Chowhan AK, Sreedhar Babu KV, Sachan A, Rukmangdha N, Patnayak R, Radhika K, Phaneendra BV, Reddy MK.

J Clin Diag Res 2014;8:19-22.

**Introduction:** Fine needle aspiration cytology (FNAC) is a well-established first line diagnostic tool in evaluating palpable thyroid lesions. However, the technique depends on suction and thus is at times painful, sometimes traumatic and yield haemorrhagic material for cytological study. In more recent times, a modified technique called fine needle sampling

without aspiration (FNS) has come into vogue which obviates the use of suction and therefore is more patient friendly.

**Aims/Objectives:** To investigate whether fine needle sampling without aspiration (FNS) gives quantitatively and qualitatively superior cytologic material as compared to the conventional technique of fine needle aspiration (FNAC) in thyroid lesions.

**Materials and Methods:** It is a prospective study of 200 cases carried out in the Department of Pathology during two years period. Both techniques were executed on the same thyroid swelling / nodule in the same clinical session beginning with FNS followed by FNAC. The observation recorded by two pathologists were based on the scoring system proposed by Mair et al., Statistical analysis was done by Student's paired t-test using SPSS 13 software.

**Observation/Results:** A total of 200 cases were studied. The non-aspiration technique yielded less diagnostically adequate but more diagnostically superior smears when compared with aspiration technique. The average score per case was 5.31 by aspiration technique and 6.35 by non-aspiration technique.

**Conclusion:** Both the techniques have their own merits and demerits and neither is absolutely superior to the other. A combination of both the technique gives better result.

#### **87. Thyrolipomatosis: an inquisitive rare entity.**

Sanuvada RV, Chowhan AK, RukmangadhaN, Patnayak R, Yootla M, Amancharla LY

Gland Surg 2014;3:E6-9.

It is rare to find diffuse presence of mature adipose tissue inside thyroid gland which defines thyrolipomatosis. We report a case of a 32-year-old hyperthyroid female on suppression therapy since the past 2 years presenting with diffuse thyroid swelling. She underwent total thyroidectomy and the histopathology revealed features of thyrolipomatosis. As fat containing

lesions of thyroid include not only non-neoplastic lesions but neoplasms also, including an occasional malignant one, rendering a correct diagnosis is essential.

#### **88. Histopathological changes due to the effect of selenium in experimental cockerels**

Latheef SAA, Radhika K, Subramanyam G  
Indian J Med Res 2014;139:927-32

**Background & objectives:** Selenium usually acts as an antioxidant at optimal levels in the body and increased levels are toxic. In this study an attempt was made to evaluate the effect of an optimum dose (0.14 mg) of selenium on histopathological changes in experimental hypercholesterolemia in cockerels.

**Methods:** The effect of selenium (0.14 mg) was investigated on histopathological changes in four tissues namely liver, kidney, heart, and descending aorta in cockerel animal model. Animals were either fed with stock diet (group C), stock diet with cholesterol (group CH), stock diet with selenium (group Se), stock diet, selenium and cholesterol (group CH+Se) for six months. Animals were sacrificed and the tissues were isolated and subjected to histopathological study.

**Results:** Xanthochromatic collections in liver were observed in group CH; hydropic degeneration in group Se and lobular disarray, hydropic degeneration and kuppfer cell hyperplasia in group CH+Se were observed. In kidney, mild mononuclear infiltration was observed in interstitium in groups CH, Se and CH+Se. myocyte disruption, and mononuclear infiltration in group CH and CH+Se, and disruption of muscle bundles with vascular congestion in group Se were observed. Smooth muscle proliferation in the media of blood vessel was observed in groups CH, Se and CH+Se.

**Interpretation & conclusions:** The results of the present study suggested that the optimum dose of (140 µg/day) feeding induced atherogenesis by inflammation and smooth muscle proliferation in cockerels with experimentally induced

hypercholesterolaemia.

#### **89. Multilocular cystic nephroma. An un common entity.**

Patnayak R, Jena A, Lakshmi AY, Subramanian S.  
Med J Dy Patil Univ 2014;7:409-10.

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#### **90. Postural changes in heart rate and blood pressure with ageing.**

Pujitha K, Parvathi G, Muni Sekhar K.  
Int J Physiother Res 2014;2:751-6.

**Introduction:** The change in arterial blood pressure and heart rate is one of the generally known physiological changes in aging of man. The present study was intended to evaluate BP and HR changes with age.

**Aim** The objective of the study is to know the prevalence of orthostatic hypotension in healthy geriatric subjects.

**Materials and Methods:** The subjects selected are 120 in number with age group 35 to >65 years of both sex and they are categorized into 4 groups based on their age. Group- I: The age of 35-45 years; Group-II: The age of 45-55 years; Group-III: The age of 55-65 Years; Group-IV: The age of >65 years. Blood Pressure is recorded by using manual sphygmomanometer and orthostatic test was conducted in all the subjects. Heart Rate was calculated by using R-R interval by ECG machine.

**Results:** The examination of parameters, body mass index, Heart Rate, systolic and diastolic Blood Pressure during resting, immediate standing, after three minutes of standing i.e., postural variations were estimated for all subjects.



The data was analyzed by using descriptive and inferential statistics.

**Discussion:** The findings suggested that the mean SBP and DBP are higher in Group IV compared to Group I which is statistically highly significant. After immediate standing in all the subjects the SBP is decreased and DBP is increased and this variation is variable in different groups. The Heart Rate in all four Groups increases. And this variation is also variable in different groups.

**Conclusion:** This study concluded that BP increases with increase in age due to stiffening of Blood vessels but the postural decrease in SBP in standing from lying down posture was more in elderly. Orthostatic hypotension was found in only one elderly. So Orthostatic hypotension was less prevalent in healthy elderly.

#### **91. Biliary Cystadenoma masquadering as hydatid cyst.**

Kadiyala Silpa, Gavini S, Sarala S, Venkatarami reddy, Devi BVL, Lakshmi AY.

Int J Med Sci 2014;3:84-6

Biliary cystadenomas are rare cystic neoplasms of hepatobiliary epithelial origin usually intrahepatic, occurring predominantly in middle aged women. These usually present as large multi-loculated septated cystic lesion in liver. Hydatid cyst poses a great mimicker to biliary cystadenoma, sometimes making it impossible to differentiate on imaging alone. There have been fewer than 150 & 50 case reports of biliary cystadenoma & cystadenocarcinoma respectively in literature so far. Due to its rarity, features of biliary cystadenoma have been sparsely investigated. We report a case which was radiologically diagnosed as hydatid cyst, given albendazole for two weeks, underwent laparoscopic derofing of cyst whose histopathology of the cyst wall suggested biliary cystadenoma. The patient was again subjected to computed tomography (CT) scan, taken up for hepatectomy with histopathology proving it to be a biliary cystadenoma. Any therapy short of

complete excision leads to local recurrence and has a potential risk of malignant transformation. Due to similar imaging appearances between them, biliary cystadenoma should always be a close differential diagnosis to hydatid, especially in countries with a high incidence of hydatid disease.

#### **92. A rare case of primary vaginal ewing's sarcoma/primitive neuroectodermal tumour : diagnostic and treatment challenges.**

Das P, Gunaseelan K, Basu D, Ananthakrishnan R Reddy KS.

J Clin Sci Res 2014;3:145-9.

Extra osseous Ewing's sarcoma/primitive neuroectodermal tumour (PNET) of the genital tract of women is scarcely described in the literature and involvement of the vagina is even rarer with a very few cases reported so far. We present 50-year-old-woman who presented with a vaginal mass that was diagnosed to be a malignant round cell tumour which later was confirmed to be primary vaginal Ewing's sarcoma/PNET on light microscopy and immunohistochemical staining. She was then treated with induction chemotherapy followed by local radiotherapy and further maintenance chemotherapy. This rare case of primary vaginal Ewing's sarcoma/PNET emphasizes the need for combining morphological features with immunohistochemistry with a panel of antibodies in establishing the diagnosis of Ewing's sarcoma/PNET at an uncommon site. Further, the case also highlights the use of induction chemotherapy followed by radiation therapy and subsequent maintenance chemotherapy as a treatment modality.

#### **93. Study of three different fractionation regimens in palliative radiotherapy for painful bone metastases**

Jilla S, Ratnam SV, Naidu KVJR, Monica I, Ranadheer M, Suresh P.

J Clin Sci Res 2014;3:90-6.

**Background:** To assess the efficacy of single fraction with two different multi-fractionated radiotherapy regimens in treatment of painful bone metastases.

**Methods:** Patients with painful bone metastases were randomly assigned to receive: Arm A: 8 Gray (Gy) in single fraction (n=15), Arm B: 20 Gy in 5 fractions at the rate of 4 Gy per fraction (n=15) and Arm C: 30 Gy in 10 fractions at the rate of 3 Gy per fraction (n=15). The arms were compared in terms of pain relief, performance improvement, analgesic requirement and duration of overall response at 1week, 1month, and 3 months after treatment.

**Results:** Pain relief in Arms A, B and C at 1 week were 60%, 53.3% and 60%; at 1 month were 71.4%, 73.3%, 73.3%, at 3 months were 78.5%, 80% and 80% respectively. Performance improvement in Arm A, B and C at 1 week 60%, at 1 month 65%, 66% and 66%, at 3 months 78.5%, 80% and 80% respectively. Duration of overall response in all the patients who improved after therapy is 3 months. There was no statistically significant difference between three arms with respect to pain relief, performance improvement, analgesic requirement and duration of overall response.

**Conclusions:** The 8 Gy Single fraction is as efficacious as multi-fractionated regimens. Moreover, it is less expensive, decreases duration of hospital stay so single fraction can be used as an effective palliation method.

#### 94. An unusual cause of trigeminal neuralgia.

Hulikal N, Vamsi NR, Kottu R, Vengamma B.

JNTR Univ Health Sci 2014; 3:54-6.

Adenoid cystic carcinoma (ACC) of minor salivary glands is an uncommon malignancy. The disease is a paradox with slow, indolent growth; but high local recurrence rates. Late metastasis is a characteristic feature. We present an unusual presentation of ACC of the posterior third of tongue masquerading as trigeminal neuralgia.

#### 95. Potpourri testicular tumour - combination of seminoma, teratoma and yolk sac tumour of testis in a young adult male.

Jena A, Patnayak R, Anil Kumar N, Chowhan AK, Vijaylakshmi Devi B, Lakshmi AY.

J Clin Sci Res 2014;3:257-60.

Testicular germ cell tumours are the most common malignant tumours seen in adult males in the 20-40 years age group. The cure rate of these tumours is quite high even with the presence of metastasis. But many patients present quite late in the course of the disease, often with complications. We present the case of a young male who presented with mixed germ cell tumour consisting of the unusual combination of seminoma, yolk sac tumour and mature teratoma. Though mixed germ cell tumour is a common entity, presence of seminomatous and non-seminomatous components is quite unusual.

#### 96. Knowledge and practices of menstrual hygiene among married adolescents and young women in Chittoor District of Andhra Pradesh, India

Sudha Rani P

J Nurs Health Sci 2014;3:6-15

**Background:** Adolescent girls often lack knowledge regarding reproductive health including menstruation which can be due to socio-cultural barriers in which they grow up. The menstrual hygiene related practices of female in the adolescence period can have effect on their health. Issues associated with menstruation are never discussed openly and this burdens adolescent girls by keeping them ignorant of this biological function. Among the various sub groups of women, reproductive health of married adolescence and young women is of crucial and especially in a state like Andhra Pradesh.

**Aims and Objectives:** To assess the knowledge and practices of menstrual hygiene among married adolescent and young women. Methods and materials: The present study was conducted

among 400 married adolescent and young women who are in the age group of 15-25 years, residing in Tirupati division, Chittoor district, Andhra Pradesh. A community based cross sectional study was conducted in 4 mandals of tirupati division. The subjects were selected randomly from the eligible couple registers available with the health workers. The interview technique was used to collect the data with the help of pre-designed, pre-tested questioner prepared by the investigator.

**Results:** The average of the respondent is 19.6 years and average age at menarchy was 13.2 years. The mean scores of respondents' menstrual hygiene is observed to be significantly ( $p < 0.01$ ) very high among those who belong to nuclear families than among those from joint families. It is further, conspicuous to note that the differences in mean scores of menstrual hygiene across respondents' and spouses' level of educational attainment turn out to be highly significant ( $p < 0.01$  and  $p < 0.01$ , respectively). level of menstrual hygiene appear to be increasing (significant at moderate level;  $p < 0.05$ ) with an increase in time spent on watching TV / listening to radio. It is also interesting to note that the average level of menstrual hygiene of those respondents who married their blood relatives is found to be higher (and moderately significant;  $p < 0.05$ ) than those who married with non-blood relatives. On the other hand, the mean score of menstrual hygiene appear to be marginally lower among those who are adhering to large number of restrictions during menstruation than those who are following small number of such restrictions.

**Conclusion:** Many factors are known to affect menstrual hygiene along with education and occupation of married adolescent/young woman and her spouse. There is a need of adolescent girls to get adequate information about healthy menstrual practices. The medical health care personal have to organize village level/urban slum level meetings/camps to interact with married adolescent and young women to increase

their awareness on menstrual hygiene. Most of the adolescent and young women were not consumed balanced diet due to food restrictions and taboos during menstruation. Hence, it is suggested to conduct extensive nutrition educational programmes along with health education by the health functionaries.

### **97. Assessment of quality of life in epilepsy in Andhra Pradesh**

Nagarathnam M, Vengamma B, Latheef SAA, Reddemma K

Neurology Asia 2014;19:249-55

Lower quality of life (QOL) was observed among people with epilepsy than those free from it. Identification of factors influencing QOL may be helpful in improving epilepsy care. Psychiatric morbidities have been shown to influence QOL adversely. This study aimed to determine the variables associated with QOL in patients with epilepsy free from psychiatric morbidities. Four hundreds patients attending a tertiary care hospital in Andhra Pradesh were recruited. QOL was measured using Telugu version of QOLIE89 (Quality of life 89) instrument. Mean of total QOL score was  $42.30 \pm 7.66$  (range 24-67). Those who were married, stayed in rural areas, not lettered, involved in agriculture and had low income levels ( $p < 0.01$ ) were found to have lower mean total QOL score. Multivariate regression analysis showed that previous exposure of knowledge on QOL, reaction to the diagnosis of epilepsy, stress in being alone and feeling of health getting worse were significant predictors of poor QOL in patients with epilepsy ( $p < 0.01$ ). Previous exposure of knowledge on QOL, response to the diagnosis of epilepsy, stress in being alone and feeling of health getting worse were significant predictors of lower quality of life among people with epilepsy.

### **98. Diet during children's illness**

Samhitha J, Padmaja A.

Nightingale Nursing Times 2014;10:17-20.



**Purpose:** To compare the knowledge, attitude and knowledge on practices regarding diet during selected childhood illnesses among mothers of under-fives of urban and rural areas.

**Methodology:** Non experimental comparative study was conducted using purposive sampling technique. A sample of 50 urban and 50 rural mothers of under-fives were selected. Data was collected using structured questionnaire.

**Results:** Data was analyzed by using descriptive and inferential statistics. The findings revealed that out of 50 urban and 50 rural mothers, 12% (6), 4% (2) had adequate knowledge 32% (16), 14% (7) had high attitude and 38% (19), 14% (7) had adequate practices respectively. There was a significant difference between urban and rural mothers' knowledge at  $p < 0.05$ , attitude and knowledge on practices at  $p < 0.01$  regarding diet during selected childhood illnesses.

**Discussion:** Malnutrition continues to be a major health problem. Many illnesses, including diarrhea, measles, and respiratory infections can make the effects of malnutrition worse and vice versa. Culturally related food restriction and reduction in feeding frequency during common childhood illnesses such as diarrheal diseases further contributes to malnutrition and thus to childhood morbidity and mortality.

### 99. The effectiveness of EMG Biofeedback on hand function in subjects with stroke

Sethana S, Sri Kumari V, Madhavi K.

Int J Physio 2014;1:178-86.

**Introduction:** Stroke is an event caused by the interruption of the blood supply to the brain, usually because a blood vessel bursts or blocked by a clot. Biofeedback can be defined as the technique of using equipment usually electronic to reveal to human beings about some of their internal physiological events normal and abnormal in form of auditory and visual signals.

**Method:** The stroke patients diagnosed by neurologist were recruited from physiotherapy department and inpatients from neurology and

general wards of SVIMS hospital, Tirupathi Andhra Pradesh. In the present study 30 subjects were randomly assigned to 15 experimental and 15 control groups. The subject was made to sit comfortably and the Surface electrodes were placed on Extensor carpi radialis, Extensor digitorum communis muscle belly and for 30 minutes patient voluntarily contracts until signals displayed on screen for which visually and auditory cues are given. In control group placebo EMG where machine is turned away & has no cues. Both groups received conventional physiotherapy; for 30 minutes at a Frequency: 1 hour per day for 5 days in a week, for 6 weeks.

**Results:** There was statistically significant ( $p < 0.05$ ) improvement in both variables from baseline to 6th week in experimental group compared to control group.

**Conclusion:** Our study demonstrates the potential benefits of EMG BF in improving hand function in subjects with stroke.

### 100. A step towards progression leads to evolution – a basis for movement towards health.

Madhavi K.

Int J Physio Ther 2014;1:100.

Physical therapy or physiotherapy is a health care profession primarily concerned with the remediation of impairments and disabilities and the promotion of mobility, functional ability, quality of life and movement potential through examination, evaluation, diagnosis and physical intervention.

### 101. Effects of kinesiotaping along with quadriceps strengthening exercises on pain, joint range of motion and functional activities of knee in subjects with patellofemoral osteoarthritis.

Harshitha M, Senthil kumar K, Madhavi K.

Int J Physio Ther 2014;1:135:43

**Background:** Patello femoral Osteoarthritis is the most common degenerative disease

in older age group, causing pain, physical disability, and decreased quality of life. As many treatment options available, kinesiotaping is an efficacious treatment for management of pain & disability in patellofemoral joint osteoarthritis. Previous studies have shown that kinesiotaping as well as quadriceps strengthening significantly yields functional benefits. But there is lack of evidence revealing combined effectiveness & effects of kinesiotaping along with quadriceps strengthening in subjects with patellofemoral joint osteoarthritis.

**Methods:** 30 subjects with symptoms of patellofemoral osteoarthritis fulfilled the inclusion criteria were randomly assigned into 2 groups of 15 in each group. Taping along with quadriceps strengthening program is compared to the quadriceps strengthening program alone. Pain were measured by Visual Analogue Scale (VAS), knee ROM were measured by Goniometer, Functional status were measured by Western Ontario McMaster Universities index (WOMAC), score. Measurements were taken pre & post intervention.

**Results:** The results indicated that kinesiotaping along with quadriceps strengthening exercises showed there was statistically significant improvement in pain ( $<0.05$ ), knee ROM ( $<0.05$ ) and functional activities ( $<0.05$ ) after 6 weeks compared to quadriceps strengthening alone.

**Conclusion:** Subjects with kinesiotaping along with quadriceps strengthening showed significant improvement in reducing pain, in improving ROM & functional activities at the end of 6th week treatment when compared to subjects with patellofemoral osteoarthritis underwent quadriceps strengthening exercises alone.

## **102. Effects of postero anterior lumbar spine mobilizations on pain, ROM functional disability in female subjects with chronic non specific low back pain.**

Pravallika LVS, Shanthi C, Madhavi K

Int J Physio Ther 2014;1:279-85.

**Background:** Chronic nonspecific low back pain (CNSLBP) i.e., low back pain of at least 12 weeks duration without a specific cause is a major cause of activity limitation, absenteeism, and high health care expenses. The prevalence of CNSLBP is estimated approximately 23% and activity limitation due to LBP have been found to be 11% to 12% of the population. Previous studies comparing the efficacy of postero-anterior mobilisation and prone-press ups were done and revealed statistically significant improvements in extension ranges but not clinical relevant improvements. This is possibly attributable to single session of interventions. So long term gains in pain reduction and lumbar extension cannot be assumed. Hence this study would be intending to prove the effect of postero-anterior mobilisation and prone press ups on chronic non-specific low back pain after 6 weeks and their clinical application. Method: 30 subjects who met the inclusion criteria were selected randomly from the department of physiotherapy, SVIMS and BIRRD, Tirupati. The study conducted for a period of 6 weeks. 2 groups were formed with 15 in each group. PA lumbar glide and prone press up's was given to group I and only prone press up's was given to group II. Subjects were evaluated pre and post treatment for VAS, extension ROM of lumbar spine and functional disability. Result: Results showed that there exists a statistical significance between the groups in all the 3 parameters. Present randomized clinical trial provided evidence to support the use of postero-anterior mobilisation and prone press-ups in relieving pain, improving ROM and reducing disability in subjects with non-specific low back pain. In addition, results supported that postero-anterior mobilisation was more effective than prone press-ups

## **103. Effectiveness of resistance training on the strength of scapula-humeral muscles and abdominals in male volley ball players.**

Diwakar V, Viswanath Reddy A, Madhavi K.

Int J Physi Ther 2014;1:127-34.

**Background:** Volleyball is a sportive modality that requires strength in the upper and lower extremities along with the trunk musculature. The improvement of muscular strength is very important along with agility and flexibility for a volleyball player. Aim of the study to find the effectiveness of resistance training on the strength of scapulo-humeral muscles and abdominals in male volley ball players. Objectives of this study is find out the effect of resistance training on the strength of the scapulo-humeral muscles by measuring peak torque by using an isokinetic dynamometer and to find out the effect of resistance training on strength of abdominals through 1RM test.

**Methods:** A group of 30 male volleyball players who have fulfilled the inclusion criteria were assigned into two groups control and experimental groups each consisting of 15 subjects. The subjects of the experimental group underwent resistance training under my supervision and the subjects of the control group done the same protocol unsupervised for 6 weeks.

**Results:** There was significant improvement in the strength of scapula-humeral muscles and abdominals in the experimental group when compared to the control group when the pre and post intervention values were measured ( $p=0.05$ ).

**Conclusion:** Resistance training under supervision of the therapist resulted in significant improvement in strength of the scapulo-humeral muscles and abdominals in the male volleyball players

#### 104. Effectiveness of supervised fitness and mobility exercise program on fitness, mobility and muscle strength in young adults with stroke

Sandhya Kiran M, Sri Kumari V, Madhavi K.

Int J Physio Ther 2014;1:158-68.

**Background:** Stroke is a major disabling health problem in developing countries like India

& causes long term disability. Long term disability furthers leads to global burden and other psychological problems. The FAME i.e., fitness and mobility exercise program has been designed to improve mobility, fitness and muscle strength. This protocol is community based protocol and helps in patients independent lifestyle. Objective is to examine the effect of supervised FAME protocol on fitness with 6minutes walk test, on mobility with timed up go test & on hamstrings muscle strength measured as hamstrings peak torque with isokinetic analyzer.

**Methods:** Stroke participants were recruited into the study as per the inclusion and exclusion criteria and randomized into intervention group ( $n = 15$ ) and control group ( $n = 15$ ). The intervention group underwent supervised fitness and mobility exercise program & the control group underwent home exercises with printed FAME material (telugu & English version). This program was designed for 8 weeks (3 sessions / week). 6MWT- used to evaluate cardio respiratory fitness, TUG test- used to evaluate mobility, Isokinetic analyzer- used to evaluate hamstrings peak torque. Base line measurements are taken prior to the intervention and post intervention values taken after the 8 weeks of intervention.

**Results:** Variables within the groups were compared by using paired t test and between the groups by using independent t test. According to obtained values, the pre & posttest values of 6MWT, TUG test & hamstrings peak toque had a significant effect on p-values  $<0.05$  in experimental group.

**Conclusion:** After 8 weeks of intervention program, the present study concludes that the supervised FAME protocol had showed statistically significant improvement in fitness, mobility & leg muscle strength in intervention group.

#### 105. To study the influence of structured exercise protocol on physical activity in perimenopausal women



Manjusha D, Madhavi K.

Int J Physio Ther 2014;1:152-7.

**Background:** Peri-menopause is the stage immediately preceding menopause & lasts on average 4yrs. The hormonal changes in peri-menopausal women alter the cardiovascular status & increase the incidence of obesity. The purpose of this study is to improve physical activity of women to combat this risk in peri-menopausal women by using structured exercise protocol.

**Methods:** A total of thirty peri-menopausal women who met inclusive criteria participated in this study with age between 35-45yrs. They were randomly divided into 2 groups-experimental group (group 1, n=15) and control group (group 2, n=15), a 12-week exercise protocol were given under supervision for experimental group. The experimental group underwent the protocol of warm up for 10min following 25min exercise protocol and 10min of cool down period. The same exercise protocols were followed by control group without supervision.

**Results:** According to data analysis, a significant difference was found between pre and post values of BMI, WHR, Physical activity level and vo2 peak in both experimental and control groups( $p<0.05$ ), but comparatively more significant changes were found in experimental rather than control group( $p<0.05$ ).

**Conclusion:** There was a significant change in physical factors like BMI, WHR and physical activity level and functional factors like vo2 peak. Hence, it is concluded that 12weeks exercise protocol is effective in peri-menopausal women

**106. A comparative study on the effectiveness of epley's maneuver over semont maneuver in improving quality of life in subjects with BPPV.**

Sridurga G, Srikumari V, Madhavi K.

Indian J Physio Occup Thera 2014;8 :99-104.

**Objectives of the Study:** To know the

efficacy of Epley's maneuver in improving the QOL in subjects with PC-BPPV using DHI and VADL. 2. To know the efficacy of Semont maneuver in improving the QOL in subjects with PC-BPPV using DHI and VADL. 3. To know the efficacy of Epley's maneuver over Semont maneuver.

**Methodology:** 50 subjects with BPPV were randomly divided into two groups, group I received Epley's maneuver (n=25), and group II received Semont maneuver (n=25). Both maneuvers were given therapy with respective procedure for three repetitions per session, one session per day and were given for 5 days in a week for 3 weeks. The questionnaire of DHI and VADL were evaluated on day 1, day7 and day21 in both the groups.

**Results:** After 3 weeks of treatment period, the subjects in group I [Epley's maneuver] had shown statistically significant improvement with the outcome measures at 2.18 F-table value compared with subjects in group II [Semont maneuver].

**Conclusion:** Epley's maneuver was found to be much effective in improving the quality of life in subjects with PC\_BPPV than Semont maneuver.

**107. Study to compare the effectiveness of static stretch and hold relax technique over hamstring flexibility.**

Shanthi C, Kamaraju B, Srikanth I.

Indian J Physio Occup Thera 2014;1:205-8.

**Background:** Numerous studies have documented on flexibility of muscles. Flexibility is defined as the ability of the muscles to lengthen allowing one joint or more than one joint in a series to move through a range of motion. Flexibility allows tissue to accommodate more easily to stress thus minimizing or preventing muscle injury. But this study sought to identify the study to compare the effectiveness of Static stretch and Hold relax technique over the hamstring flexibility.

**Methods:** 30 healthy male adults with Hamstring tightness aged 21 to 35 years selected from

general population through simple randomized technique. Samples are divided into two groups, static stretch Group-I (no.15) and Group-II Hold relax (no.=15). The outcome was measured with help of sit & reach test to see the Hamstring flexibility.

**Results:** Comparison of the post test values of the group I and group II shows a significant difference between the outcomes of two groups with a “t” calculated value of 0.738 (unpaired “t” test)

**Conclusion:** Both static stretch and hold relax Technique can cause very highly significant result in Hamstring Flexibility, further comparison shows very high significant difference between two groups and concludes that hold relax is better than static stretch in Hamstring Flexibility

#### **108. A prospective randomized controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers.**

Viswanath Reddy A, Prasad BCM, Ravindra Reddy G, Maiya AG

Int J Pharm Res Bioscience 2014;3 :707-15.

Pressure ulcers are a challenge to humanity as they are the wounds, initiated by continuous pressure on the insensate skin, causing the skin and underlying tissues to wither. They are one of the major complications of spinal cord injury and diabetic patients. This study has been done to assess the efficacy of low intensity laser therapy (LILT) on the wound healing dynamics in human subjects with pressure ulcers.

**Methods:** A total of 130 subjects were enrolled for the study and after randomization the subjects were allocated to control and experimental groups each consisting of 65 subjects. The subjects of the control group received conventional wound dressing for the pressure ulcer for 3 weeks where as the subjects of the experimental group underwent LILT and conventional wound-dressing for 3 weeks. On Day 1 and after 3 weeks, the PUSH score of the pressure ulcer was-

recorded.

**Results:** The results showed a significant difference between pre and post intervention values in experimental group compared to control group ( $p < 0.05$ ).

**Conclusion:** The study has brought out that LILT has better healing of pressure ulcers when compared to the conventional wound management to compare the wound healing dynamics among diabetic and non-diabetic subjects in the control and experimental groups.

#### **109. Influence of pre-operative physical therapy education and exercise on post-operative shoulder range of motion and functional activities in subjects with modified radical mastectomy.**

Lokapavani Y, Raghavakrishna S, Madhavi K.

Int J Physio Ther 2014;1:170-7.

**Background:** Modified radical mastectomy is a frequent surgery employed as a therapeutic procedure in patients with breast carcinoma with involvement of axillary lymph nodes. Many patients suffer from severe shoulder complaints after axillary lymph node dissection even with postoperative rehabilitation. Pre-operative exercise and education are recommended to reduce the incidence of breast cancer related upper limb dysfunction; it will shorten the recovery time. The objectives of the study are to determine the influence of pre-operative physiotherapy on shoulder ROM using goniometer in subjects with modified radical mastectomy and to determine the influence of pre-operative physiotherapy on functional activities using shoulder pain and disability index (SPADI) in subjects with modified radical mastectomy.

**Methods:** 30 Subjects of adult women included in the study who met the inclusion criteria, divided into 2 groups. Experimental Group received preoperative physical therapy education and exercises 1-2 weeks before surgery and routine physical therapy protocol after surgery. Control Group received standard education

brochure preoperatively and routine physical therapy post operatively. Measurements included shoulder ROM and functional evaluation using goniometer and SPADI. Measurements were taken at baseline i.e., pre operatively, post operatively at 4th day after removal of drains, and 1month after surgery.

**Results:** All measures were significantly reduced

after surgery, but most recovered after 1month of surgery and attained functional level in experimental Group.

**Conclusion:** This study provides experimental evidence that preoperative education and exercise influence the postoperative shoulder ROM and functional activities after modified radical mastectomy.

## 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 Umamaheswari<br>Assoc. Professor<br>Dept. of<br>Bio-Informatics | DBT, Ministry of<br>Science &<br>Technology , Govt.<br>of India, New<br>Delhi | Creation of BIF for the<br>promotion of Biology<br>Teaching through Bio-<br>Informatics (BTBI) scheme<br>of BTISnet  | 87,22,000               |
| 2      | Dr Alladi Mohan<br>Professor & Head<br>Dept. of Medicine           | Indian Council of<br>Medical Research,<br>New Delhi                           | A prospective Double-<br>blind Randomized<br>Controlled Trial (RCT) to<br>determine the effect of<br>vitamin D<br>supplementation of the<br>development of active<br>tuberculosis and<br>pneumonia in HIV-infected<br>individuals. | 6,98,824                |
| 3      | Dr Alok Sachan<br>Professor & Head<br>Dept. of<br>Endocrinology    | Indian Council of<br>Medical Research,<br>New Delhi                           | Pancreatic islet antibodies<br>in adults (latent<br>autoimmune diabetes in<br>adults) and youth with<br>type-2 diabetes mellitus;<br>prevalence, clinical<br>immunological and genetic<br>studies.                                 | 1,47,000                |
| 4      | Dr Usha Kalawat<br>Assoc. Professor<br>Dept of<br>Microbiology     | Indian Council of<br>Medical Research,<br>New Delhi                           | Establishment of a network<br>of laboratories for<br>managing epidemics and<br>natural calamities.   | 1,30,00,000             |



| S. No. | Investigator  | Funding Agency     | Title of the project   | Grant of money (Rupees) |
|--------|---|--------------------|--|-------------------------|
| 5      | Dr C.Bhuvaneswari Devi<br><br>Asst. Prof., Dept. of Biotechnology | SERB,<br>New Delhi | Behavioural and Neurochemical alterations of manganese exposure in young and adult rats. | <b>4,00,000</b>         |

## 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 2014-15 an amount of Rs. 35,82,850-00 was released. The details are as follows:

### I) For Faculty:

| S. No. | Name  | Title of the project  | Grant Sanctioned Rs. |
|--------|---|---|----------------------|
| 1      | Dr M.M. Suchitra<br>Assoc. Professor<br>Biochemistry  | Association between non-alcoholic fatty liver disease and T2DM: Role of adipokines and endotoxins   | 3,27,750             |
| 2      | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology    | Predictive value of D-dimer levels and tissue Doppler mitral annular systolic velocity for detection of left atrial Appendage Thrombus in patients with Mitral stenosis in Sinus Rhythm | 1,78,750             |
| 3      | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology    | The correlation of NT-PRO BNP with Echocardiographic indices including 3D Vena contracta width in the assessment of severity of MR  | 99,000               |
| 4      | Dr Aparna R. Bitla<br>Asso. Professor<br>Biochemistry | Utility of serum prostate specific antigen and free prostate specific antigen measurements in combination with serum CA 15.3 and serum CEA in breast tumours                            | 3,91,500             |

| S. No. | Name  | Title of the project   | Grant Sanctioned Rs. |
|--------|---|--|----------------------|
| 5      | Dr Aparna R. Bitla<br>Asso. Professor<br>Biochemistry       | Novel biomarkers in studying the contrast induced effects on kidney  | 2,26,800             |
| 6      | Dr Aparna R. Bitla<br>Asso. Professor<br>Biochemistry       | Measurement of thyroid hormones in saliva  | 1,67,100             |
| 7      | Dr Alok Sachan<br>Professor & Head<br>Endocrinology         | Hypothalamic pituitary insufficiency in patients with central nervous system infections  | 1,78,600             |
| 8      | Dr Alok Sachan<br>Professor & Head<br>Endocrinology         | Organ specific autoimmunity in type 1 diabetes mellitus  | 3,73,100             |
| 9      | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology          | A study of efficacy and resistance of thienopyridine antiplatelet drugs in Indian patients undergoing percutaneous coronary intervention and correlation of Clopidogrel resistance to genetic polymorphisms of ABCB1 3435 T gene.  | 7,50,000             |
| 10     | Dr D. Rajasekhar<br>Professor & Head<br>Cardiology          | Correlation of plasma 25-Hydroxy-Vitamin D level with angiographic severity of coronary artery disease   | 3,71,250             |
| 11     | Dr M.Manickavasagam<br>Professor & Head<br>Medical Oncology | Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnosed patients with carcinoma breast or carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy. | 1,44,000             |

## ii) MD/DM/MCh Post Graduates

| S. No. | Name of the Postgraduate / Researcher                                     | Title of the project   | Grant Sanctioned Rs. |
|--------|---|--|----------------------|
| 1.     | Dr P. Swathi,<br>Postgraduate Junior Resident in MD (Biochemistry)        | Utility of serum total prostate specific antigen and free prostate specific antigen measurements in combination with serum CA 15-3 and Serum CEA in breast tumours | 25,000               |
| 2.     | Dr Srinivasa Rao.CH<br>Postgraduate Senior Resident in DM (Endocrinology) | Hypothalamic pituitary insufficiency in patients with central nervous system infection   | 25,000               |
| 3.     | Dr S. Sangeetha,<br>Postgraduate Senior Resident in DM (Endocrinology)    | Body composition, blood glucose and insulin resistance in hypothyroidism before and after restoration of Euthyroidism  | 25,000               |

## iii) Research Scholar (Ph.D)

| S. No. | Name                                       | Title of the Project  | Grant sanctioned Rs. |
|--------|--|---|----------------------|
| 1.     | M. Pallavi<br>PhD Scholar<br>Biochemistry  | Association between non-alcoholic fatty liver disease and T2DM: Role of adipokines and endotoxins   | 1,00,000             |
| 2.     | P. Prakesh Babu<br>PhD Scholar<br>Medicine | Study of polymorphisms of interleukin-12 (IL-12B) gene at intron 2, exon 5, and 3'untransalted region (3'UTR) in patients with pulmonary tuberculosis | 1,00,000             |
| 3.     | M. Nagaraja<br>PhD Scholar<br>Microbiology | Detection of Human papillomavirus (HPV) and identification of its genotypes among women with suspected cervical cancer and their male partners        | 1,00,000             |



### 2.3 Details of drug trials in progress

| S. No. | Title of the project  | Name of the investigator                               | Funding Agency                       |
|--------|---|--|--------------------------------------|
| 01.    | 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, Professor & HOD, Dept. of Cardiology | Novartis Health care India Pvt. Ltd. |
| 02.    | Global Anticoagulant registry in the FIELD (GARFIELD) prospective, multicentre, international registry of male and female patients newly diagnosed with atrial fibrillation (IEC No.294).   | Dr D. Rajasekhar Professor & HOD, Dept. of Cardiology  | Thrombosis Research Institute        |

### 2.4 Gold medals instituted

Two gold medals were instituted by Dr Subhashini Yaturu with donation of US \$ 8000 towards awarding annual Gold Medals to the medical faculty for the best published scientific paper, reflecting work done in the institute, one for an 'Original Article' and the other for a 'Case Report'. For the year 2014, the Gold Medals were awarded to

1 For original article category

Dr D. Rajasekhar, Prof. & HoD of Cardiology, SVIMS for the publication "Rajasekhar D, Vanajakshaashank C, Srinivasakumar ML, Sivasankara C. The real world experience of the biodegradable polymer-coated sirolimus-eluting coronary stent system: Results From an "All-Comers" Clinical Experience. Catheter Cardiovasc Interv 2013 Oct 15. doi: 10.1002/ccd.25246. [Epub ahead of print]" Impact factor:2.514.

2 For case report category

Dr R. Ram, Assoc. Prof. of Nephrology, SVIMS for the publication "Peddi S, Ram R, Boreddy VD, Avssn S, Chennu KK, Vishnubotla SK. Multiple metastatic infections in a hemodialysis patient with untunneled internal jugular catheter. Hemodial Int 2014;18:192-4." Impact factor:1.36 cited by 2.

### 3.0 Journal of clinical and Scientific Research

Editorial Board:

Hon.Editor-in-Chief - Dr B.Vengamma

Exec.Editor-in-Chief - Dr PVLN. Srinivasa Rao

The major objectives of 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 Institute's website. The journal has grown fast and attracted 234 submissions in its first three years from across the world and has grown fast. The journal is already indexed in *Journal of Clinical and Scientific Research is indexed in Index Copernicus, Academic Index, Open J-gate, Directory of Open Access Journals(DOAJ), Journal Seek, Indian Science Abstracts, Geneva Foundation for Medical Education and Research, New Jour, 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, 12 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 and doi for access of full text articles.

#### 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 2014 (Volume 3 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 2014 are listed below:

Under "**Original Article**" Category

Dumpala S, Kondagunta N, Malhotra VM, Venna GP, Jothula KY. An outbreak investigation of suspected Chikungunya fever in Nalgonda District of Telangana state. J ClinSci Res 2014;3:219-23. DOI: <http://dx.doi.org/10.15380/2277-5706.JCSR.14.043>.

Under "**Case Report**" Category

Das P, Gunaseelan K, Basu D, Ananthakrishnan R, Reddy KS. A rare case of primary vaginal ewing's sarcoma/primitiveneuroectodermaltumour:diagnostic and treatment challenges. J ClinSci Res 2014;3:145-9. DOI: <http://dx.doi.org/10.15380/2277-5706.JCSR.13.033>.

The authors shall be issued a merit certificate on the University Anniversary day, 26<sup>th</sup> February 2015. Hope this will stimulate the contributors to send their best work to our journal.

B. Vengamma  
Hon. Editor-in-Chief



## **V Finance & Accounts**



## V. Finance & Accounts (2013-14)

### 1.0 Institute Finance

All the bills prepared by different departments are passed in the Accounts Section & cheques issued after scrutinizing the bills as per the existing rules. Accounts are maintained in terms of the income generated through patient care, tuition fee, donations received from donors, grants received from TTD, Government etc.. All the Accounts will be compiled and submitted to Income Tax Department after audited by the Institute Auditors.

### 2.0 Balance Sheet as on 31.03.2014

| Liabilities  | Amount as on<br>31-Mar-2014<br>(Rs.) | Assets                                       | Amount as on<br>31-Mar-2014<br>(Rs.) |
|--|--------------------------------------|--|--------------------------------------|
| <b>Capital Account</b>                             | <b>2,22,59,91,131</b>                | <b>Fixed Assets<br/>(After Depreciation)</b> | <b>58,00,83,730</b>                  |
| <b>Loans (Liability)</b>                           |                                      | <b>Investments</b>                           | <b>1,34,70,66,013</b>                |
| <b>Current Liabilities</b>                         | <b>18,80,59,607</b>                  | Endowment Deposits                           | 63,79,903                            |
| Research Projects                                  | 41,58,874                            | Provident fund deposits                      | 13,16,54,988                         |
| Staff pay and allowances<br>recovery               | 55,40,799                            | R&D Fund deposits                            | 31,23,03,876                         |
| EMD and other deposits                             | 4,39,62,067                          | SVIMS corpus fund<br>deposits                | 59,50,99,052                         |
| Outstanding payments                               |                                      | Deposit of donations for<br>equipment        | 1,80,720                             |
| University Deposits                                | 23,20,837                            | Pension & gratuity deposits                  | 26,25,09,392                         |
| Advance From Kanchipeetam                          | 12,93,12,000                         | PMSSY deposits                               | 2,24,60,022                          |
| Advance from patients                              | 11,44,000                            | SBAVP deposits with TTD                      | 64,78,060                            |
| Andhra Bank- TDS                                   |                                      | Term deposit receipt                         | 1,00,00,000                          |
| APSPDCL-Hyd  |                                      | <b>Current Assets</b>                        | <b>48,69,00,994</b>                  |
| Excess received from<br>Pranadana Trust            | 8,43,353                             | Closing Stock                                | 3,40,54,782                          |
| Pay and allowances<br>(university) arrears payable | 2,48,575                             | Deposits (Asset)                             | 14,56,11,621                         |
| refundable patient advance                         | 31,256                               | Loans & Advances (Asset)                     | 3,54,34,908                          |
| Scholarship  | 1,61,827                             | Sundry Debtors                               | 13,18,25,963                         |
| Stale Cheques-Non Statutory                        | 3,36,019                             | prepaid project expenditure                  |                                      |
| <b>Excess of Expenditure over<br/>Income</b>       |                                      | Bank Accounts                                | 7,48,81,565                          |
| <b>Opening Balance</b>                             |                                      | EPF penalty                                  | 4,73,274                             |
| <b>Current Period</b>                              | <b>(9,55,73,629)</b>                 | Rent receivable                              | 70,46,054                            |
| <b>Less: Transferred</b>                           | <b>(9,55,73,629)</b>                 | TDRS (SBAVP) Receivable                      | 69,41,622                            |
| <b>Diff. in Opening Balances</b>                   |                                      | <b>Cash in hand</b>                          | <b>15,99,356</b>                     |
|  |                                      | <b>Margin on Flc</b>                         | <b>3,73,000</b>                      |
|  |                                      | <b>TDS receivable</b>                        | <b>4,86,58,849</b>                   |
| <b>Total</b>                                       | <b>2,41,40,50,737</b>                | <b>Total</b>                                 | <b>2,41,40,50,737</b>                |

Donations received for the period  
01.04.2013 to 31.03.2014

### 3.0 Concessions given to the patients – 2014 (1-Apr-2013 to 31-Mar-2014)

| S. No. | Name of the scheme                   | Amount in Rs.    |
|--------|--------------------------------------|------------------|
| 1      | Donations for purchase of equipments | 510000           |
| 2      | General Donations                    | 12563287         |
| 3      | Research Chair donations             | 487852           |
| 4      | R & D donations                      | 209711589        |
|        | <b>Total</b>                         | <b>223272728</b> |

**Expenditure incurred under various schemes during the financial year 2013-14**

| S. No. | Name of the scheme | Total treatment charges Rs. | Total claims Rs. |
|--------|--------------------|-----------------------------|------------------|
| 01.    | Arogyasri Credit   | 315378648.00                | 308508913.00     |
| 02.    | Pranadanam         | 73209889.00                 | 58299288.00      |

| S.No. | Month & year       | Amount in Rs.       |
|-------|--------------------|---------------------|
| 01.   | April              | 14698212.00         |
| 02.   | May                | 14930308.00         |
| 03.   | June               | 15054935.00         |
| 04.   | July               | 16530768.00         |
| 05.   | August             | 14727019.00         |
| 06.   | September          | 14148302.00         |
| 07.   | October            | 13412108.00         |
| 08.   | November           | 15438094.00         |
| 09.   | December           | 16928367.00         |
| 10.   | January            | 16108266.00         |
| 11.   | February           | 18364763.00         |
| 12.   | March              | 13468985.00         |
|       | <b>Grand Total</b> | <b>183810127.00</b> |

### 4.0 Donations received

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

The donors are provided privileges for accommodation, darshan and other prasadam of Lord Venkateswara at Tirumala by T.T.Devasthanams for the donations Rs.01 lakh & above.

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 donation.

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 & 175% exemption on business income.

The institute received donations under Sri Balaji Aarogya Vara Prasadini Scheme for the financial year 2013-14 is Rs.20,97,11,589/-. The list of donors who donated Rs.5 lakhs and above are as detailed below:

| S. No. | Name of the Donor and Address   | Amount |
|--------|---|--------|
| 1      | Sri Arjun B Desai, Radhe shyam Bunglow, Opp.Bhagat nursing home Halar Road, Valsad, Gujrat - 396 035          | 500000 |
| 2      | M/s. Desai construction Pvt Ltd., Construction house, opp. Hotel falah, New GIDC, N.H.No.8, Gundlav - 396 035 | 500000 |

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|----|--|---------|
| 3  | Sri Raghuraman krishnamurthy, S/o C.P. Tripathi, Ground floor, 7/9/1, Ponnala road, near debts recovery tribunal, allahabad - 211 002  | 500001  |
| 4  | M/s. Forex capital services pvt ltd, M-4, Greater Kailash - II, New Delhi - 110 048  | 1000000 |
| 5  | M/s. Desai construction Pvt Ltd., Construction house, opp. Hotel falah, New GIDC, N.H.No.8, Gundlav - 396 035  | 500000  |
| 6  | M/s.Mahendra Perfumery Works, 72/2, 5th Main Road, Chamarajpet, Bangalore - 560 018. Tel.No. 080 - 2660 2089.  | 1000000 |
| 7  | M/s.Chandra Shipping & Trading Services, 2nd Floor, 2nd Block, Subhadra Arcade, Bhanugudi Junction, Kakinada - 533 003. Tel.No.: 0884 - 2361 569/2363 262.                                 | 1111111 |
| 8  | Sri S.B.Jagadish, Re Apartments, Flat No.13, 2nd Floor, No.106, A.P Road, Choolai, Chennai - 600 112   | 1000000 |
| 9  | Mrs.Jayanth Ramesh, Proprietrix, M/s.Srivatsa Realtors, No.9/40, 5th Street, East Anna Nagar, R.V.Nagar, Chennai - 102. Tel.No.: 044 - 4310 2070 and Mobile No.: (0) 98410 78327.          | 1100000 |
| 10 | Sri.S.V.Thiyagarajan, A 204, Lakshachandi Apartments, Gokuldharm, Goregoan East, Mumbai - 400 063. Tel.No.: 022 - 2840 3606 and Mobile No.: (0) 98202 28462.                               | 1000000 |
| 11 | M/s.Autotech Industries India Pvt. Ltd., SP - 114, Ambattur Industrial Estate, Chennai - 600 058. Tel.No.: 044 - 2688 0329 and Mobile No.: (0) 98400 33993. ITEC 4127 PB 16705             | 1000000 |
| 12 | M/s.Oberoi Realty Limited, Commerz, 3rd Floor, International Business Park, Oberoi Garden City, Off Western Express Highway, Go regaon (East), Mumbai - 400 063. Tel.No.: 022 - 6677/3333. | 2500000 |
| 13 | Sri.B.Vinayak Nilesh, 4 - A, Trio Apar tments, 21, Raja Street, T.Nagar, Chennai - 600 017. Mobile No.: (0) 95000 92929/92821 03296.   | 1500000 |
| 14 | Sri.N.Sadashiva Reddy, No.189, 17th cross, 11th Main, Wilson Garden, Bangalore - 560 030.  | 500000  |
| 15 | Sri.Arun Agarwal, A - 1/22, Safdarjung Enclave, New Delhi - 110 029. Tel.No.: 011 - 2610 5752. Mobile No.: (0) 98103 43559.  | 1000000 |
| 16 | M/S. Shri Shyam Iton & Power Pvt Ltd., Part 103/104, Sillitara Indl. Are, Raipur, Itec 4220 And Pass Book No.16745   | 500001  |
| 17 | Sri.Dr.K.Venkatesan, E-3A, Rain Tree Apartments, 21, Venus Colony, Second Cross Street, Alwarpet, Chennai - 600 018.   | 1500000 |
| 18 | Sri.Muniraju Pulipalyam, 102, 1st Cross, R.K.Gardens, New Bell Road, Behind Gowri Apts., Bangalore - 560 054. Tel.No.: 080-2346 1299. Mobile No.: (0) 98867 36434.                         | 500000  |
| 19 | Sri.Arundathi Krishna, 11 A, III Avenue, Boat Club Road, R.A.Puram, Chennai - 600 028.   | 1500000 |
| 20 | Smt.Vennam Madhavalatha, # 1271, 15th Main, BTM II Stage, Bangalore - 560 076. Mobile No.: (0) 95352 75128.  | 500000  |
| 21 | Smt.Vennam Madhavalatha, # 1271, 15th Main, BTM II Stage, Bangalore - 560 076. Mobile No.: (0) 95352 75128.  | 500000  |
| 22 | Sri.Vennelakanti Subbu Sreenivas, F4, Sai Kuteer Apartment, East Kakateeya Nagar, Saint Sai Grammer Hight School, Neredumit, Secunderabad - 500 056. Mobile No.: 91771 02077.              | 1000000 |



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|----|--|---------|
| 23 | Sri.Pramod Saxena, J 1/16 DLF City Phase - 2, Gurgaon - 122 002, Indore.<br>Tel.No.: 0124 - 2355701. Mobile No.: (0) 98110 90119.  | 1000000 |
| 24 | M/s.Platinum Corporation FZE, 504 3W DAFZA, P.O.Box No.54513, Dubai,<br>U.A.E. Tel.No.: 0714 299 7779.   | 500000  |
| 25 | Sri.Tt.Srinivasaraghavan, 9, 3rd Street, Kasturi Estates, Chennai - 600086<br>Ph.No.24993539, 24983539   | 500000  |
| 26 | M/S. Rolta Foundation, Maker Tower 'F', 21st Floor Cuffe Parade, Mumbai<br>400005. Telno.:022-22153984, Fax 022-22153994.  | 1100000 |
| 27 | Sri.Akhil Gupta, 25, Munirka Enclave, Nelson Mandela Marg, New Delhi - 110<br>067. Tel.No.: 011 - 2616 5474.   | 6000000 |
| 28 | Sri.Chivukula Narasimha Murthy, D # 2, Block "C", Living Heights, D.No.: 8-<br>19-4, Red Cross Street, Gandhinagar, Kakinada - 533 004. Mobile No.: 98662<br>58514/ 94902 80804.         | 1000116 |
| 29 | M/s.Aurangabad Electricals Ltd., Gut No.65, Village Chitegaon, Taluka Paithan,<br>Dist. Aurangabad - 431 105. Tel.No.: 02431 - 329705 10.  | 1000000 |
| 30 | Mrs.Santha Somasundar Mosur, 2087, Burbank Drive, Mississauga, Ontario,<br>L5L 3J3, Canada. Tel.No.: 001-905-820-0056.   | 2500000 |
| 31 | Sri.G.Prashanth Narayan, No.100 (Old No.33), Sannidhi Road, Basavanagudi,<br>Bangalore - 560 004. Tel.No.: 080 - 2660 8006.  | 4000000 |
| 32 | Smt.Shubha P.Narayan, 100, Sannidhi Road, Basavanagudi, Bangalore - 560<br>004. Tel.No.: 080 - 2660 8006.  | 500000  |
| 33 | Smt.Sandhya Nanjundian, Apt. G - 5 Brigade Rathna, 42, Ranga Rao Road,<br>Bangalore - 560 004. Tel.No.: 080 - 2660 8670.   | 515000  |
| 34 | Sri.Kshitij Agrawal, S/o.Rajendra Kumar Agrawal, H.No.27, Ram Manohar<br>Lohiya Nagar, Behind Govt. High School, Mova, Kapa, Raipur (C.G.). Mobile<br>No.: (0) 93014 47010.              | 550000  |
| 35 | Sri.Devender Reddy Vontela, H.No.: 10-2-43, Malkapoor Road, Vidyanagar,<br>Karim Nagar - 505002. Mobile Nos. : 97032 95664.  | 500000  |
| 36 | Sri.Vijay Raj Purohit, M/s.Chemical Process Piping Pvt. Ltd., BSD Marg,<br>Govandi, Mumbai - 88. Tel.No.: 022 - 6723 0600. Mobile No.: 98202 11169.                                      | 500000  |
| 37 | M/s.Ascom Infotech Pvt. Ltd., 03-04, Parekh Market, 39, Kennedy Bridge,<br>Opera House, Mumbai - 400 004. Tel.No.: 022 - 2384 1254/55/56.<br>Mobile No. : (0) 98201 57006.               | 1000000 |
| 38 | M/s.Kerkar Marketing Co., Shop No.17, Garden Centre II, Opp. Mapusa Police<br>Station, Mapusa, Goa. Pin Code : 403 507. Tel.No.: 0832 - 2252333/2264951.<br>Mobile No.: (0) 98223 88255. | 1000000 |
| 39 | M/s.Kerkar Marketing Co., Shop No.17, Garden Centre II, Opp. Mapusa Police<br>Station, Mapusa, Goa. Pin Code : 403 507. Tel.No.: 0832 - 2252333/2264951.<br>Mobile No.: (0) 98223 88255. | 1000000 |
| 40 | Sri. Sai Narain CDK, No.10, Corporation School Road, Lake Area,<br>Nungambakkam, Chennai - 600 034, Tamil Nadu.  | 500000  |
| 41 | Mrs.Girija A.Kaul, 25, Crescent Building, Pali Hill Road, Khar (W), Mumbai -<br>400 052. Cell No.: (0) 98201 82217.  | 1000000 |
| 42 | Drs.Kalpalatha and Jayarama Guntupalli, Baylor College of Medicine, Houston,<br>Texas, USA.  | 500000  |

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| 43 | M/s.JKM Infra Projects Ltd., A - 28, Sector - 9, Noida, U.P. Tel.No.: 0120 - 4624535. Mobile No.: (0) 97189 89999.  | 1500000  |
| 44 | M/s.Pooja Land Developers Pvt. Ltd., 249, P.D.Mello Road, Near G.P.O, Mumbai - 400 001. Tel.No.: 022 - 3022 2300/ 305.  | 601000   |
| 45 | M/s.JKM Infra Projects Ltd., A - 28, Sector - 9 , Noida, U.P. Tel.No.: 0120 - 4624555. Cell No.: 097189 89999.  | 5100000  |
| 46 | M/s.JKM Infra Projects Ltd., A - 28, Sector - 9 , Noida, U.P. Tel.No.: 0120 - 4624555. Cell No.: 097189 89999.  | 2500000  |
| 47 | M/s.Venkatrama Chemicals, 1A, 1st Floor, IVRCL Towers, # 8-2-596, Road No.10, Banjara Hills, Hyderabad - 500 034. Tel.No.: 040 - 2335 2192.   | 1500000  |
| 48 | M/s.Krisow Performance Fluids Inc., 101, IVRCL Towers, Road No.10, Banjara Hills, Hyderabad-500 034. Tel.No.: 040 - 2335 2192/2335 2086.  | 1000000  |
| 49 | Sri R. Ramesh, S/O Sri Ranganathan, Sri Ram Textiles, No.F-31, 5th Floor, 2nd Avenue, Anna Nagar (East), Chennai - 600 102  | 2000000  |
| 50 | M/S. Venkatesh Bhandi Stores, Sri Mahindram Yerawar, Gangakhed Post, Parbani - M.S - 431514   | 1000000  |
| 51 | Sri Subhash Chander Bansal, 10, Tsm Nshh, Shhst Nshst Rnvlsbr, A Block, Ludhiana - 141 012  | 600000   |
| 52 | Sri.Paritosh Shah, Flat No. : E 412, Raheja Residency, 3rd Block, Koramangala, Bangalore - 560 034.   | 500000   |
| 53 | M/s.Topsel Pvt. Ltd., 25 Ganesh Chandra Avenue, Kolkata - 700 013. Tel.No.: 033 - 4013 7200.  | 500000   |
| 54 | Sri.G.Prashanth Narayan, No.100 (Old No.33), Sannidhi Road, Basavanagudi, Bangalore - 560 004. Tel.No.: 080 - 2660 8006.  | 5000000  |
| 55 | M/s.Jaibalaji Business Corporation Pvt. Ltd., B-105, Kalpataru Plaza, 224 Bhavani Peth, Pune - 411 042. Tel.No.: 020 - 2638 6856/57/58.   | 1000000  |
| 56 | M/s.JKM Infra Projects Ltd., A - 28, Sector - 9 , Noida, (U.P.) - 201 301 Tel.No.: 0120 - 4624555. Cell No.: 097189 89999.  | 10100000 |
| 57 | M/s.Aparna Constructions and Estates (P) Ltd., S.S.Reddy, Managing Director, # 802, Astral Heights, 6-3-352/2&3, Road No.1, Banjara Hills, Hyd - 500 034, A.P. E-mail : info@aparnaconstructions.com. Tel.No. 040-2335 2708/709. Mobile No.: 98485 33350. | 1000000  |
| 58 | M/S. Atin Promotions And Advertising Pvt Ltd.,  | 2000000  |
| 59 | Sri B.K. Prasanna Kumar, 51-4, Kodanda Rama Layout, Osborne Road Cross, Bangalore - 560 042   | 1500000  |
| 60 | Sri.P.Radha Krishnan, B - 06-4, Navin's Dayton Heights, 76, Nelson Mankkam Road, Aminji Karai, Chennai - 600 029. Tamil Nadu.   | 1001001  |
| 61 | M/s. Lohia corp ltd, lohia industrial complex, chaubepur, kanpur-209203, tel:915112308100   | 1000000  |
| 62 | T.hermalatha, flat no:302, 2nd floor, jyothi villa, plot 247/a, mla's colony, road no: 12, extn banjara hills, hyderabad. Cell: 9989118500  | 1000000  |
| 63 | M/s. Vsd medical solutions pvt ltd., 961,12th main, hal 2nd stage, indira nagar, bangalore-560008. Cell : 9845047960, 9845072208, EMAIL: vsdmedical@gmail.com   | 1000000  |

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|----|---|---------|
| 64 | Sri Subramani Somasundaram, 31 Jurong West Street 41, #12-35, Tower 2D, Lakeshore, Singapore-649412, Phone: 0065-62646539, 0065-90178085.   | 700000  |
| 65 | Sri mahesh vaswani, Lailak Street, Villa L6, Emirates Hills, P.O.Box 54513, Dubai, United Arab Emirates, Tel.97142997779,Fax.97142997776, Mob:971505519383, Email. md@platcorp.com. | 500000  |
| 66 | Sri.Ajay Bindlish, E - 414, Greater Kailash - II, New Delhi - 110 048. Tel.No.: 011 - 2922 6166, 2921 7013. Mobile No. : (0) 98100 58706.   | 1000000 |
| 67 | Sri.Anitha Bindlish, E - 414, Greater Kailash - II, New Delhi - 110 048. Tel.No.: 011 - 2922 6166, 2921 7013. Mobile No. : (0) 99114 34469..  | 1000000 |
| 68 | M/S.Diana Tea Company LTD., 3B, La lbazar Street, Sir.R.N.M.House, Kolkata-1. Mobile:9831008577, 9831031152, Phone:03340661590/2, E-Mail: contactus@dianatea.in                     | 1000000 |
| 69 | M/S Amrit Feeds Ltd, Harish Bagla(Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013   | 1000000 |
| 70 | M/S Amrit Feeds Ltd, Harish Bagla(Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013   | 1000000 |
| 71 | M/S Amrit Feeds Ltd, Harish Bagla(Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013   | 500000  |
| 72 | M/S Amrit Hatcheries Pvt. Ltd., Harish Bagla (Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013   | 500000  |
| 73 | M/S Amrit Hatcheries Pvt. Ltd., Harish Bagla(Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013  | 1000000 |
| 74 | M/S Amrit Agrovet Pvt. Ltd., Harish Bagla(Managing Director), 158 lenin sarani, 3rd floor, Kolkata-700013   | 500000  |
| 75 | M/s.Karthikeya Industries, 355, Thudiyalur - Idigarai Road, Sengalipalayam, Coimbatore - 641 022. Tel.No.: 0422 -2461707.   | 500000  |
| 76 | M/s.SPT Investment Advisory Services Pvt. Ltd., 6/40 Tardeo A.C.Market, Tardeo, Mumbai - 400 034. Tel.No.: 022 - 2351 1133.   | 1000000 |
| 77 | Sri.G.Prashanth Narayan, No.100(Old No.33), Sannidhi Road, Basavanagudi, Bangalore - 560 004. Tel.No.: 088 - 2660 8006.   | 6000000 |
| 78 | M/s.Career Guidance, 116/2/3/4, Laxmi Vilas Bunglow, Behind OBC Bank, Opposite Omega Residency, Baner Road, Baner, Pune - 45. Mobile No.: (0) 98901 91218, (0) 93234 10230.         | 1000000 |
| 79 | M/s.High Tech Metals and Systems Private Ltd., B - 6, Subhodaya, 28, Gopala Krishna Road, T.Nagar, Chennai - 600 017. Tel.No.: 044 - 2815 5739. Mobile No.: (0) 95000 70977.        | 1000001 |
| 80 | M/s.Crescent Technologies, 105/106, Jaywant Industrial Estate, Opp. Sobo Central Mall, Mumbai - 400 034. Tel.No.: 022 - 4076 7777. Mobile No.: (0) 86553 09009.                     | 1000000 |
| 81 | M/s.Protouch Sports Pvt. Ltd., 61/30/1, Moore Avenue, Kolkata - 700 040. Cell No.: (0) 92305 70007.   | 1350000 |
| 82 | Valluru Sandhya, 3, First Cross Street, Seethammal Colony, Alwarpet, Chennai - 600 018. Tel.No.: 044 - 4205 9111. Mobile No.: (0) 98404 55111.                                      | 1000000 |
| 83 | Valluru Venkat Ruthuik Reddy, 3, Firs t Cross Street, Seethammal Colony, Alwarpet, Chennai - 600 018. Tel.No.: 044 - 4205 9111. Mobile No.: (0) 99595 55111.                        | 1000000 |



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|-----|---|---------|
| 84  | M/s.Anjana Software Solutions Pvt. Ltd., B 24, Guindy Industrial Estate, Module 306, NSIC - STP, Ekkaduthangal, Chennai - 600 032. Tel.No.: 044 - 2225 6222.                                      | 1000000 |
| 85  | M/s.Anjana Software Solutions Pvt. Ltd., B 24, Guindy Industrial Estate, Module 306, NSIC - STP, Ekkaduthangal, Chennai - 600 032. Tel.No.: 044 - 2225 6222. Mobile No.: (0) 93830 97348.         | 1000000 |
| 86  | Sri.M.V.Subba Reddy, S/o.Dr.M.Thyaga Raja Reddy, Vijaya Nursing Home, Sai Kuteer Street, Proddatur, YSR Dist., A.P. Cell No.: 94418 94494.  | 500000  |
| 87  | Sri k. Vishwanath, s/o k.m.dattathri, kuntavalli meliga post, thirtha halli - tq, shimoga dt  | 500000  |
| 88  | M/s. The Jean & Bomanji A.Dubash Charity Trust, Mackinnon Mackenzie Building, 4, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai - 400 001. Tel.No.: 022 - 22610981. Mobile No.: (0) 96190 01413. | 5000000 |
| 89  | Sri.Allena Srinivasa Rao, Plot No.29, Maruthi Nagar, Poolbagh Road, Vizianagaram - 535 002. Mobile No.: 94406 29646.  | 1000000 |
| 90  | Sri.G.S.V.Surya Prasad, Flat No.: 304, Sovereign Building, Hiranandani Gardens Powai, Mumbai - 400 076. Tel.No.: 022 - 2571 7012. Mobile No.: (0) 98203 00159.                                    | 501116  |
| 91  | M/s.Lashi Exports Limited, 16/3/554, Ramamoorthy Nagar, Nellore - 524 003. Tel.No.: 0861 - 2322111. Mobile No.: 98495 55111.  | 1000000 |
| 92  | M/s.Rudira Aqua Limited, 16/3/554, Rama Moorthy Nagar, Nellore - 524 003. Tel.No.: 0861 - 2329111. Mobile No.: 98495 55111.   | 1000000 |
| 93  | SRI GBS INDUSTRIES, 2, JEERA, SECUNDERABAD - 50003  | 1000017 |
| 94  | M/s.Industrial Packing Products, Niranjani Building, 602, 6th Floor, 99, Marine Drive, Mumbai - 400 002. Tel.No.: 022 - 2281 2006/ 22811004   | 2500000 |
| 95  | Mrs.Sushma Lahoti & Dr.Akshay Lahoti, 43/1, Chhipa Bakhal, Indore - 452 002. Tel.No.: 0731 - 2450552. Mobile No.: (0) 94253 13131 / 91653 65000.  | 500000  |
| 96  | Mrs.Sushma Lahoti & Dr.Akshay Lahoti, 43/1, Chhipa Bakhal, Indore - 452 002. Tel.No.: 0731 - 2450552. Mobile No.: (0) 94253 13131 / 91653 65000.  | 500000  |
| 97  | M/s.Trimurti Plastics, 418, 7th B Main, 30th Cross, Jayanagar 4th Block, Bangalore - 560 001. Cell No.: (0) 98450 23036.  | 500000  |
| 98  | M/S. Tirubala International Pvt Ltd., C-7, Panki Indl. Area, Site - 1, Kanpur - 208 022   | 3000000 |
| 99  | M/s.Padma Pharmaceuticals Private Limited, Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641/2613 6946.                      | 5000000 |
| 100 | M/s.Mahendra Perfumery Works, Raghavendra Colony, 72/2, 5th Main Road, Chamarajpet, Bangalore - 560 018. Tel.No.: 080-2660 2089,2660 3729.  | 1000000 |
| 101 | M/s.Beauchelle Trading Company (P) Ltd., 164/18, Jawahar Nagar, Goregaon West, Mumbai - 400 062.  | 1010101 |
| 102 | Sri.Adarsh Amin, 164/18, Jawahar Nagar, Goregaon West, Mumbai - 400 062.  | 500101  |

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|-----|---|---------|
| 103 | M/s.Power Link System Private Limited, II Floor, Time Square Building, 62, Att Colony, Dr.Balasundaram Road, Coimbatore - 641 018. Tel.No.: 0422 - 6529921/31/41.   | 1000000 |
| 104 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4500000 |
| 105 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4500000 |
| 106 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4800000 |
| 107 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4500000 |
| 108 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4500000 |
| 109 | M/s.Vital Laboratories Pvt. Ltd., Venkatesh, Mahant Road Extension, Uttakarsh Mandal Circle, Vile Parle East, Mumbai - 400 057. Tel.No.: 022 - 2618 3641.   | 4500000 |
| 110 | Dr.M.Balamurugan, Sri Durgai Illam Old No. 9, New No.18, Anusuya St., Rangarajapuram, Chennai - 600 024. Cell No.: (0) 98408 54943.   | 700000  |
| 111 | Sri.Shailesh Dash, Perm : Plot No.: 153/1561, Jena Colony, Budheswari, Bhubaneswar, Orissa. Corres: 906/907, Al Masah Cadital MGMTI Ltd., Liberty House, DIFC, Dubai - 506 838. Mobile No.: +97150 7080305. | 5000000 |
| 112 | Smt.Chitra Ramesh, W/o.M.J.Ramesh, Group IT, Director, Post Box # 2403, Abudhabi, U.A.E. Tel.No.: 0097150, Mobile No.: 5815267.   | 500000  |
| 113 | Smt R. Vini Selvi, W.O Sri Ramesh R, M/S. Vks Mininig Services, F-31, 2nd Avenue, 5th Floor, Anna Nagar East, Chennai - 600 102   | 1000000 |
| 114 | M/S. Tirubala International Pvt Ltd., C-7, Panki Indl. Area, Site - 1, Kanpur - 208 022   | 3000000 |
| 115 | Received From M/S. Jaykal Exports Pte Ltd.,   | 1000000 |

#### 5.0 Grants received from Tirumala Tirupati Devasthanams during 2013-14

|  | Amount<br>Rs. in crores |
|--|-------------------------|
| 1. Revenue Grant   | 12.00                   |
| 2. Capital Grant   | 18.17                   |
| 3. Reimbursement of Pranadana expenditure                | 5.83                    |
| 4. Reimbursement of Epilepsy & Diabetic camp Expenditure | 0.13                    |
| Total :  | 36.13                   |

#### 6.0 Equipments donated

1. State Bank of Hyderabad, SVIMS Branch donated Automated Peritoneal Dialysis Machine (APD) (1 No.) to dept. of Nephrology during February 2014, which is useful for conduct of dialysis and to bring down the waiting list.
2. Bio aqua Ltd donated a water purifier which was installed behind OPD block Jalaprasadam scheme: Purified drinking water facility for patients through Srivari Jalaprasada scheme behind OPD block.



## **VI Departmental Information**



## 1.0 DEPARTMENT OF ANAESTHESIOLOGY

### Senior Professor & Head

Dr M. Hanumantha Rao

#### Faculty

Dr V.S.R. Aanjaneyulu  
Dr Aloka Samantaray  
Dr P. Janaki Subhadra  
Dr Andal Venkataraman  
Dr N. Hemanth  
Dr P. Hemalatha  
Dr M. Madhusudhan  
Dr A. Muralidhar  
Dr K. Vinay  
Dr A. Lava Kumar  
Dr J. Chaitanya  
Dr K.G. Srihari  
Dr Kasturi

#### Tutor cum MD PG Junior Residents

Dr K. Aditya  
Dr T. Rajasekhar  
Dr S. Shameem  
Dr R. Sridevi  
Dr K. Brinda  
Dr S.M. Nayyara Banu  
Dr K. Mohsin  
Dr S.R.A. Nagabhushanam padala  
Dr R. Naga Divya  
Dr S. Sumiya Begum  
Dr B.V. Virinchi Vegiraju  
Dr B. Aparna  
Dr P. Aruna  
Dr Prasanth  
Dr K. Swarnalatha  
Dr Himabindu

### 1.1 Awards, Achievements and Felicitations

**Dr S.M. Nayyara Banu and Dr T.Rajasekhar,** Junior Resident Postgraduate students in MD (Anaesthesiology) won **First Prize and Second Prize respectively** in BAPU - 2014 a National Conference & CME held at SVIMS University, Tirupati during 7-8 November 2014.

### 1.2 Research Work

#### Theses submitted

1. Shameem S. Effects of intravenous clonidine or Dexmedetomidine on hemodynamic responses to Laryngoscopy and endotracheal intubation and sedation; a randomized double blind, clinical efficacy study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Sridevi R. predictability of various evaluations on includes todet\*/ect difficult laryngoscopy in diabetics (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

3. Aditya K. Comparision of I.V. Dexmedetomidine and I.V Lignocaine for the prevention of conventional propofol injection pain – A prospective randomized double blind study (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
4. Rajasekhar T. Comparison of upper lip bite test with other four predictors for predicting difficulty in intubation (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Brinda K. Evaluation of 25 Gauge Quincke & whitacre needles on technical problems & post dural puncture headache: A prospective, observational study (MD Thesis).
2. Mohsin K. Comparison of Granisetron, Ondansetron, Dexamethasone as a prophylaxis for post operative nausea and vomiting in adults undergoing elective laparo

scopic surgeries – A prospective randomized double blind study (MD Thesis).

3. Nayyara Banu S.M. The effect of adding different doses of Magnesium sulphate to Levobupivacaine for spinal Anaesthesia: A Prospective, randomised double blind study (MD Thesis).
4. S.R.A.Naga Bhushanam P. Effect of sevoflurane with morphine or fentanyl on hemodynamic response to laryngoscopy and tracheal intubation – a prospective randomized double blind study (MD Thesis).

### 1.3 Conferences attended, lectures delivered, sessions chaired

**Dr M.Hanumantha Rao**, attended the following.

#### National

1. The 20<sup>th</sup> Annual Conference of Indian Society of Critical Care Medicine & 18<sup>th</sup> Asia – Pacific Congress of Critical Care Medicine held at Jaipur during 14-18 February 2014 and chaired a session.
2. The CME and Conference of Andhra Pradesh Branch of Indian Association of Cardiovascular Thoracic Anesthesiologists (IACTA) held at Hyderabad on 27<sup>th</sup> July 2014 and chaired a session and participated in panel discussion on “Role of Extra Corporeal Membrane Oxygenator in Cardiac Surgery”.
3. The ICWH-2014 International Congress on Women’s Health at Tirupati during 11-13 July, 2014 and delivered a lecture on “Painless Labour”.
4. The VISZAC- 2014 conference of 30<sup>th</sup> Annual south zone ISA at Visakhapatnam, during 22-24 August 2014 and delivered a lecture on “Monitoring Neuromuscular Blockade-How important it is in anaesthesia practice – Methods & Implications”.
5. The PHYSIOSVIMS-2014 National conference at Tirupati during 19-20 December 2014 and chaired a session.

6. The ISACON - 2014 at Madurai, during 26-29 December 2014 and chaired a session and participated in panel discussion on “Perioperative Management of TURP surgery in HOCM patients”.
7. Ramachandra Anesthesia Continuing Education (RACE), a national level CME program and participated in session on Video laryngoscope is replacing the art of conventional laryngoscope in airway management, SRMC&RI, Chennai, 6-9 February 2014

#### International

1. The ASA conference Anaesthesiology – 2014 and annual meeting at New Orleans, Louisiana, United States during 11-15 October 2014 and presented a poster presentation on “A prospective study of bacterial colonization of central venous catheters introduced through two different routes” and Abstract Published in Anesthesiology ASA Annual meeting

**Dr Aloka Samantaray**, attended the following

#### National

1. The IACTA- 2014 at Mumbai during 12-14 February 2014 and participated in panel discussion on “Antibiotic Protocols in Cardiac Surgery”.
2. The ICACON – 2014 at Narayana Hyrduayala, Bangalore during 22-23 November 2014 and delivered a guest lecture on “Antiplatelets and its anaesthetic implication”.

#### International

1. The WCRAFT -2014 at Capetown, South Africa during 24-28 November, 2014 and presented a paper on “Effects of Addition of dexmedetomidine or Midazolam to intrathecal bupivacaine on post operative analgesia”

**Dr P.J. Subhadra**, attended the following

1. The VISZAC-2014 conference of 30<sup>th</sup> Annual south zone ISA at Visakhapatnam, during 22-24 August 2014 and delivered a lecture on “Persistent lower limb weakness after neuraxial blockade”.
2. The AOACON-2014 conference at Banaras Hindu University, Varanasi during 17-19 October 2014 and delivered a lecture on “Myasthenia Gravis and Pregnancy”.
3. The ISACON-2014 at Madurai during 26-29 December 2014 and chaired a session and participated in panel discussion.

**Dr Andal Venkataraman**, attended the following

1. The AOACON - 2014 conference at Banaras Hindu University, Varanasi during 17-19 October 2014 and chaired a session.
2. The ISACON – 2014 at Madurai during 26-29 December 2014 and presented a poster on “Anaesthetic management of patient with parkinson’s disease, posted for thyroidectomy”.

**Dr N.Hemanth**, attended the following

1. **The 2<sup>nd</sup> Annual “Best of Brussels” Symposium on Intensive Care & Emergency Medicine** at Pune during 7-11 July 2014.
2. The 24<sup>th</sup> National Conference of RSACP - 2014 at Dehradun during 14-16 November 2014 and presented a poster on “Anaesthesia Management of patient with septic abortion”.

**Dr P. Hemalatha**, attended the following

1. The BAPU-2014 National Conference & CME at Tirupati during 7-8 September, 2014 and delivered a guest lecture on “Paediatric Dental Procedures”.

**Dr M.Madusudhan**, attended the following

1. The AOACON - 2014 conference at Banaras Hindu University, Varanasi during 17-19 October 2014 and chaired a session.

2. **Dr M. Madusudhan, Dr K. Vinay, Dr A. Muralidhar**, attended the 1<sup>st</sup> Mumbai Criticon– 2014 Conference of Indian Society of Critical Care Medicine, Mumbai Branch at Mumbai during 15-16 November 2014.

#### **1.4 Paper Presentations by postgraduate students**

8<sup>th</sup> Annual National Conference & CME “Balaji Anaesthesia Post graduate Update (BAPU – 2014)” at SVIMS Tirupati during 7-8 September 2014.

1. **Shameem S**, presented a paper on “Anaesthetic Management of an ischemic heart disease patient posted for non – cardiac surgery” – A case report.
2. **Aditya K**, presented a paper on Anaesthetic Management of a Mitral stenosis patient posted for non Cardiac surgery” A case report.
3. **Sri Devi R** presented a paper on “Anaesthetic Management of insulinoma” – A case report.
4. **Rajasekhar T** presented a paper on “Management of Migration of epidural catheter into subarachnoid space in immediate postoperative period” - A case report.
5. **Brinda K**, presented a paper on “Anaesthetic Management carotid body tumour excision” – A case report.
6. **Nayyara Banu S M**, presented a paper on “Anaesthetic Management of a case of parathyroid tumour” – A case report.
7. **Naga Bhushanam S R A**, presented a paper on “Anaesthetic Management of a case of Moya – Moya Disease” – A case report.

30<sup>th</sup> Annual south zone ISA conference VISZAC - 2014 at Visakhapatnam during 22-24 August 2014.

1. **Aditya K**, presented a paper on “Anaesthetic Management of a Mitral stenosis patient posted for Non cardiac surgery”



2. **Sri Devi R**, presented a paper on “Anaesthetic Management of chronic traumatic diaphragmatic hernia”.
3. **S.R.A. Naga Bhushanam P**, presented a paper on “A retrograde nasal intubation in a patient with difficult airway”.

62<sup>nd</sup> Annual National conference ISACON -2014 at Madurai during 26-29 December 2014.

1. **Rajasekhar T**, presented a paper on “Anaesthetic Management of a patient with stab injury chest – undergoing emergency pneumonectomy”.
2. **Shameem S**, presented a paper on “A case report of Post Intubation tracheal stenosis”
3. **Brinda K**, presented a paper on “Anaesthetic Management of adrenal pheochromocytoma posted for excision”.
4. **Nayyara Banu SM**, presented a paper on “Anaesthetic Management of a case of renal mass with IVC thrombus with post operative pulmonary Thromboembolism”.

#### 1.4 Publications

1. Rao MH, Muralidhar A, Reddy AKS. Acute respiratory distress syndrome. J Clin Sci Res 2014;3:114-34.
2. Samantaray A, Rao MH. Effects of fentanyl on procedural pain and discomfort associated with central venous catheter insertion: A prospective, randomized, double-blind, placebo controlled trial. Indian J Crit Care Med 2014;18:421-6.
3. Rao MH, Samantaray A, Anakapalli M. Blood transfusion practices in cardiac anaesthesia. Indian J Anaesth 2014;58:616-21.
4. Rao MH, A Prospective study of bacterial colonization of central venous catheters introduced through two different routes. Abstract Published in Anesthesiology ASA Annual meeting, New Orleans 2014,USA.
5. Samantaray A. Pulmonary aspiration of gastric contents: prevention and prophylaxis. J Clin Sci Res 2014;3:243-50.
6. Sowmya Jayaram A, Janaki Subhadra P, Rao MH. Comparison of dexmedetomidin combined with propofol Vs fentanyl combined with propofol for laryngeal mask insertion. J Clin Sci Res 2014;3:228-36.
7. Madhusudan M, Rao MH, Reddy AKS, Kadiyala V, Samantaray A, Hemanth N, Charupalli K. Comparison of intubating conditions and haemodynamic responses during rapid tracheal intubation using either suxamethonium or rocuronium with ephedrine pretreatment. J Clin Sci Res 2014;3:174-80.
8. Vinod Bhan, Hanumantha Raya Raghavendra K, Madhusudan M, Sudhakar Rao K. Mixed germ cell tumour of mediastinum—an unusual Presentation. Indian J Thorac Cardiovasc Surg 2014;30:286-8.
9. Hemalatha P, Devi R S, Samantaray A, Hemanth N, Rao MH. Anaesthetic management of excision of a functioning pancreatic beta cell tumour. Indian J Anaesth 2014;58:757-9.

## 2.0 DEPARTMENT OF ANATOMY

### Professor & Head

Dr V. Subhadra Devi

### Faculty

Dr J. Vasu Deva Reddy  
Dr C. Sreekanth  
Dr M. Venkata Ramulu  
Dr M.K. Lalitha Kumari  
Mr K. Thyagaraju

Dr G.N. Charitha  
Dr V. Manikanta Reddy  
Mr D. Kishore Naik  
Dr Rashmitha Reddy

### 2.1 Research work

#### Dissertation submitted

1. **Vishnu Priya K.** Comparative study of dermatographic patterns in mentally retarded children with controls (MSc Dissertation) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Dissertation work

1. **Mahesh Babu Y.** Morphometric Study of Ventricular system of Human Brain by using CT scan method (MSc Dissertation).
2. **Hemalata Rath.** Morphometric Study of Posterior Cranial Fossa and foramen Magnum using CT scan (MSc Dissertation).

### 2.2 Conferences attended, Lectures delivered

**Dr G.N. Charitha**, presented a paper “Cranio Facial growth prediction based on Mandibular Rotation in deep and Shallow Antegonial Notching – A Cephalogram, study” at 62<sup>nd</sup> National Conference of Anatomical Society of India (NATCON-62) held at Imphal, Manipur, 17- 20 December 2014.

### 2.3 Publications

1. Ravindra Kumar Boddeti and Subhadra Devi Velichety. Bilateral Middle Ear Atresia with Right Sided Microtia. Int J Med Sci 2014;2:1-3.
2. Kandregula J, Velichety SD, Karla T, Sreevaram HH, Chilumu J, Mohammad R. Morphological and morphometric

parameters of coronary arteries in human foetal hearts. Int J Res Health Sci 2014; 2:126-32.

3. Maruti Ram A, Subhadra Devi V. Differential diagnosis of a case of bilateral cystic Swelling of neck in an aborted fetus. Int J Anat Res 2014;2:221-4.
4. Havila Hasini S, Subhadra Devi V, Thyagaraju K, Jyothirmayi K, Jaipal Ch. Morphological features and morphometric parameters of human fetal thymus gland. Int J Anat Res 2014;2:202-07.
5. Shaik Hussain Saheb, Subhadra Devi V, Haseena S. Morphological and morphometric study of human foetal spleen. Int J Anat Res 2014;2:234-8.
6. Subhadra Devi V. Training good doctors as good teachers (challenges of medical education). Int J Anat Res 2014;2:295.
7. Ravindra Kumar B, Subhadra Devi V, Usha Rani U. Accessory left lobe of the liver. Int J Intg Med Sci 2014;1:17-9.
8. Sujatha Manupati, Subhadra Devi V, Lalitha Kumari MK, Sofia P. Bilateral renal artery variations – embryological significance and clinical implications. Int J Cur Res Rev 2014;6:66-9.
9. Sharmila T, Subhadra Devi V, Thyagaraju K. Sexual dimorphism in morphology and morphometry of neutrophil drumsticks. Int J Anat Res 2014;2:720-6.

### 3.0 DEPARTMENT OF BIOCHEMISTRY

#### 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 Y. Naresh

#### Tutor cum MD PG Junior Residents

Dr P. Swathi  
Dr M. Prasanth  
Dr B. Sandya Rani

#### PhD Research Scholars

V.L. Asha Latha  
A. Madhusudhana Rao  
M. Pallavi

G. Sarvari  
G. Shivakrishna  
K. Rama

P. Pullaiah  
T. Sasikala

#### 3.1 Orations delivered

##### National

Dr P.V.L.N. Srinivasa Rao, Professor and Head, Department of Biochemistry delivered “Dr R.C. Sita Devi Oration” on the topic “Evolution of clinical chemistry laboratory” at 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India, AMBICON 2014, Tirupati on 14<sup>th</sup> November 2014.

#### 3.2 Research work

##### Thesis work

##### Theses submitted

1. Naresh Y. Clinical utility of salivary parameters in diagnosis and monitoring of renal failure conditions (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Asha Latha VL. Novel Biomarkers in Studying the Contrast-Induced effects on kidney (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Swathi P. Utility of serum total prostate specific antigen and free prostate specific antigen measurements in combination with serum CA 15-3 and serum CEA in breast

tumours. (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

##### Ongoing Thesis work

1. Prasanth M. Study of Oxidative stress markers and antioxidant markers in contrast induced acute kidney injury (MD Thesis).
2. Madhusudhana Rao A. Role of adipokines in endothelial dysfunction at various stages of chronic kidney disease (PhD Thesis).
3. Shivakrishna G. Gut derived uremic toxins in various stages of chronic kidney disease (PhD Thesis).
4. Pallavi M. Association between Non alcoholic fatty liver disease and type 2 diabetes mellitus: Role of adipokines and endotoxins. (PhD Thesis).
5. Sarvari G. Adipocytokines in breast cancer. (PhD Thesis).
6. Rama K. Single nucleotide polymorphisms (SNP'S) in antioxidant enzymes in relation to diseases; Breast cancer and CKD (PhD Thesis).
7. Pullaiah P. Vascular dysfunction in type 2 diabetes mellitus, markers for early detection (PhD Thesis).



8. Sasikala T. Role of proinflammatory markers in endothelial dysfunction in cardiovascular disease (PhD Thesis).

#### Dissertation submitted

1. Indumathi I. Study of Ischemia Modified Albumin and Adenosine Deaminase Levels in Patients with Chronic Kidney Disease.
2. Naresh S. Evaluation of thyroid hormones in saliva.
3. Ramesh Babu M. Evaluation of assay for ischaemia modified albumin (IMA) using albumin cobalt binding (ACB) assay for automation.

#### Ongoing Dissertation work

1. Satheesh R. Study of oxidant and antioxidant markers in breast cancer.
2. Pradeep Kumar B. Liver enzymes in type-2 diabetes mellitus patients.
3. Tejaswi G. Evaluation of oxidant and antioxidant status in coronary artery disease.

#### Thesis work carried out in collaboration with other Departments

##### Thesis submitted

**Dr Srinivasa Rao PVLN**, was *Co-guide* for the thesis

1. Varalakshmi B. A Study of plasma osteopontin elevates in patients with acute kidney injury requiring dialysis (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr Aparna R. Bitla**, was *Co-guide* for the theses

1. Pradhan D. In silico identification of common drug targets in *Leptospira* spp., molecular modelling and docking approaches for designing inhibitor molecules (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Arun Mukka. Prevalence of islet cell specific autoantibodies in type 2 Diabetes mellitus (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr Suchitra MM**, was *Co-guide* for the thesis

1. Sailaja Anantharapu. Effects of thyroid hormone replacement on HbA1C levels in non-diabetic subjects with primary hypothyroidism (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis works

**Dr PVLN Srinivasa Rao**, was *Co-guide* for the following theses

1. Sangeetha S. Changes in body composition, plasma glucose and insulin resistance before and 2 months of restoration of euthyroidism (DM Thesis).
2. Sowjanya G. Genetic polymorphism of cytochrome P450 and its association with endothelial dysfunction in patients with coronary artery disease. (PhD Thesis).

**Dr Aparna R. Bitla**, was *Co-guide* for the following theses

1. Latheef K. Study of polymorphisms of MTHFR, IL-6 and ICAM-1 genes in patient with CAD (PhD Thesis).
2. Shalini P. Relationship between hyperprolactinemia and adrenal hyperandrogenism in the polycystic ovary syndrome (DM Thesis).
3. Ashok V. Organ specific autoimmunity in type 1 diabetes mellitus (DM Thesis).
4. Anant Pai. HsCRP in neoadjuvant breast cancer and metastatic colon cancer (DM Thesis).
5. Dr Sindhuja K. Adverse blood transfusion reaction: (MD Thesis).

**Dr M.M. Suchitra**, was *Co-guide* for the following theses

1. Bhargava Reddy Kanchi. A prospective study of incidence of bone metastasis at various PSA levels in carcinoma prostate (MCh Thesis).

2. Sangeetha Lakshmi B. Changes in inflammatory and oxidative stress markers during a single hemodialysis session (DM Thesis).
3. Chaitanya. A study on relationship between osteopontin and cardiovascular risk factors and carotid intima media thickness in chronic kidney disease (predialysis) (DM Thesis).

### 3.3 Conferences attended, lectures delivered National

**Dr PVLN Srinivasa Rao**, attended the following

1. 5<sup>th</sup> National Seminar on Bioinformatics conducted by SVIMS, Tirupati during 14-15 February 2014 and chaired a session on 14<sup>th</sup> February 2014.
2. National Physiotherapy conference (PHYSIOSVIMS 2014) conducted by SVIMS, Tirupati during 19-20 December 2014 and chaired a session on 19<sup>th</sup> December 2014.
3. National Conference BAPU-2014 conducted by SVIMS, Tirupati and delivered lecture on "Research Methodology" on 7<sup>th</sup> September 2014.
4. 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India (AMBICON) - 2014 held at Tirupati during 14-16 November 2014 and delivered lectures on "Evolution of clinical chemistry laboratory" and "Immuno assays - Instrumentation".

**Dr M.M. Suchitra**, attended the following

1. 5<sup>th</sup> National Seminar on Bioinformatics conducted by SVIMS, Tirupati during 14-15 February 2014 and chaired a session on 15<sup>th</sup> February 2014.
2. CME on Metabolic syndrome by SVIMS, Tirupati and delivered lecture on "Journey to Metabolic syndrome" on 26<sup>th</sup> April 2014.
3. 22<sup>nd</sup> Annual National Annual Conference of Medical Biochemists of India, AMBICON - 2014 held at Tirupati during 13-16 November 2014 and delivered lecture on "Basics of Immuno chemical techniques" for the preconference work shop.

**Dr Aparna R. Bitla** attended the 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India (AMBICON) - 2014 at Tirupati during 14-16 November 2014 and delivered lecture on 'Acute kidney injury- Biochemical Aspects' in the symposium on "Acute Kidney injury"

**Dr V.S. Kirnamayi**, attended the 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India (AMBICON)-2014 at Tirupati during 14-16 November 2014 and delivered lecture on "Link between immunity and inflammation".

### 3.4 Presentation by Lecturers, postgraduate students

AMBICON 2014, Tirupati during 14-16 November 2014.

1. **Naresh Y.** Presented paper on "Establishment of modified Jaffe's method for salivary creatinine estimation by automation".
2. **Prasanth M.** Presented paper on "Serum Adenosine deaminase activity as inflammatory marker in patients with Rheumatoid arthritis".
3. **Sandya Rani B.** Presented poster on "Oxidative and antioxidative status in non-alcoholic fatty liver disease with type-2 Diabetes mellitus".

### 3.5 Publications

1. Chandrasekhar T, Suchitra MM, Sachan A, Bitla AR, Srinivasa Rao PVLN. Indices of insulin resistance in paediatric obesity. J Clin Sci Res 2014;3:7-13.
2. Swathi P, Prasanth M, Suchitra MM, Bitla AR. Drug interference in clinical chemistry analyses: pseudohypertriglyceridemia. J Clin Sci Res 2014;3:153-4.
3. Desai V, Prasad NR, Manohar SM, Sachan A, Narasimha SR, Bitla AR. Oxidative stress in non-obese women with polycystic ovarian syndrome. J Clin Diagn Res 2014;8:CC01-3.

4. Jayanthi, Bitla AR, Sachan A, Shivakrishna G, Srinivasa Rao PVLN. Novel cardio vascular risk markers in hypothyroidism patients. J Clin Sci Res 2014;3:286-7.
5. Siddhartha Kumar B, Sivaram Naik G, Mohan A, Prabath Kumar D, Suresh V, Sarma KVS, Srinivasa Rao PVLN, Katyarmal DT. Prevalence of thyroid disorders and metabolic syndrome in adult patients with rheumatoid arthritis. J Clin Sci Res 2014;3:97-105.
6. Rama Krishna G, Sandeep P, Nagesh Kumar S, Rukumangadha N, Chowhan AK, Suchitra MM, Ram R, Vengamma B, Siva Kumar. Hypokalaemic paralysis due to Sjögren's syndrome. J Clin Sci Res 2014;3:251-6

### **3.6 CMEs/Seminars/Workshops/ Orations**

A CME on Metabolic Syndrome was conducted by SVIMS in collaboration with the Endocrinology department on 26<sup>th</sup> April 2014.

#### **Workshops**

22<sup>nd</sup> Annual National Conference of Association of Medical Biochemists of India, AMBICON 2014 at SVIMS, Tirupati on 13<sup>th</sup> November 2014.

1. A Workshop on Immuno assay techniques: ELISA, RIA and Chemiluminescence was conducted in collaboration with the department of Endocrinology.
2. A Workshop on Bioinformatics was conducted in collaboration with the department of Bioinformatics.

3. A Workshop on Polymerase chain reaction.
4. A Workshop on Research methodology and biostatistics was conducted in collaboration with Medical Education Unit of S.V. Medical College, Tirupati.

### **3.7 Other academic activities**

**Dr PVLN Srinivasa Rao**, was

1. External examiner for MD (Biochemistry) examination at SRMC, Chennai during 9-10 April 2014.
2. External examiner for MD (Biochemistry) examination at CMC, Vellore during 21-22 April 2014.
3. External examiner I yr MBBS (Biochemistry) examination at Annamalai University, Chennai during 30-31 July 2014.
4. MCI Inspector at Bangalore during 14-16 October 2014 and Bagalkot during 26-28 November 2014.
5. Conducted AMBICON 2014 at Tirupati during 13-16 November 2014.

**Dr M.M. Suchitra**, attended as

1. Examiner for undergraduates (MBBS) at Mysore Medical College, Mysore in January 2014.
2. External examiner for MPhil viva in March 2014 and Question paper setter for MPhil and PhD examination at Sri Devaraj Urs Medical College, Kolar.



## 4.0 DEPARTMENT OF BIOINFORMATICS

### Associate Professor & Head

Dr A. Umamaheswari

### Teaching Assistant

Mr M. Munikumar

### Project Assistant

Mr Dibyabhabha Pradhan

### PhD Research Scholars

I. Vani Priyadarshini  
Sandeep Swargam

Manne Munikumar  
Kanipakam Hema

Natarajan Pradeep  
Pasala Chiranjeevi

### 4.1 Awards, Achievements and felicitations

1. Hema K, Research Scholar (DST-INSPIRE-JRF) received **Best paper award for paper presentation** on “Discovery of potent inhibitors against the pathogen *Chlamydia pneumonia*” at National conference on Emerging Themes on Microbial Technology, SPMVV University, Tirupati during 22-24 January 2014 and received young scientist award.
2. Pradeep N, Research Scholar (ICMR-SRF) received **Best paper award for paper presentation** on “E-Pharmacophore based virtual screening to identify lead molecules for GSK-3 $\alpha$  induced Alzheimer’s disease” at National Seminar on Bioinformatics-2014, SVIMS University, Tirupati during 14-15 February 2014.
3. Priyadarshini V, Research Scholar (ICMR-RA) received **Best poster award for poster presentation** on “Molecular modeling, docking and dynamic studies to identify potent inhibitors for pathogens causing infective endocarditis” (National Seminar on Present Status and Future Prospects of Modern Biotechnology and Their Applications (PSFPMBA.2014)) held at Dravidian University, Kuppam during 27-29 March 2014 and received young scientist award.
4. Vagolu Siva Krishna, MSc Bioinformatics student was awarded a **gold medal** for the year 2014 at the 5<sup>th</sup> Convocation of SVIMS University on 13<sup>th</sup> October 2014 for securing first rank among the students of all MSc Life Sciences.
5. Sandeep Swargam, Research Scholar (ICMR-SRF) received **Best poster award for poster presentation** on “Exploration of Potential EGFR inhibitors: A combination of energy based pharmacophore modeling, molecular docking analysis at National Seminar on Trendys in Biochemistry-2014, Acharya Nagarjuna University Guntur during 17-18 October 2014.
6. Munikumar M, Research Scholar (ICMR-SRF) received **Best poster award for poster presentation** on “Identification of potent inhibitors for Ruva through different docking strategies” at National Seminar on Bioinformatics-2014, SVIMS University, Tirupati during 14-15 November 2014.

## 4.2 Fellowships

1. I.Vani Priyadarshini, awarded ICMR Research Associateship for research project entitled Putative drug target identification and *in silico* drug designing against infective endocarditis on 23<sup>rd</sup> March 2014.
2. N.Pradeep, received ICMR Senior Research Fellowship for research project entitled Ligand based drug designing for the proteins involved in alzheimer's disease and database development on 1<sup>st</sup> August 2014.
3. P. Chiranjeevi, received ICMR Junior Research Fellowship for research project entitled on Computed aided approach to identify drug targets, vaccine candidates and potent lead molecules against gastrointestinal pathogen *Helicobacter pylori* on 18<sup>th</sup> September 2014.
4. Mr. Katari Sudheer kumar has sanctioned a Research Associate position for SVIMS Bioinformatics Centre from 2007-08 every year. Appointed as Project Assistant on 27<sup>th</sup> October 2014.
5. Mr. Vagolu Siva Krishna and Mrs. M. V. Naga Lakshmi has sanctioned two traineeship positions for SVIMS Bioinformatics Centre from 2008-09 onwards. Appointed as DBT-Project trainees on 6<sup>th</sup> December 2014.

## 4.3 Research Projects

### Ongoing research projects

1. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Creation of BIF for promotion of BTBI. **Funded by:** Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India, New Delhi.
2. **Principal Investigator:** DrA. Umamaheswari, **Title:** Putative drug target identification and *in silico* drug designing against infective endocarditis. **Funded by:** Indian Council of Medical Research, India, Govt. of India, New Delhi.

3. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Computational approach to explore novel inhibitors and vaccine candidates for pathogens of bacterial meningitis **Funded by:** Indian Council of Medical Research, India, Govt. of India, New Delhi.

4. **Principal Investigator:** Dr A. Umamaheswari, **Title:***In silico* identification of potential drug targets and vaccine candidates against pathogens causing atherosclerosis **Funded by:** Department of Science & Technology, India, Govt. of India, New Delhi.

5. **Principal Investigator:** Dr A. Umamaheswari, **Title:** Computational approach to explore novel inhibitors and vaccine candidates for *Helicobacter pylori* **Funded by:** Indian Council of Medical Research, India, Govt. of India, New Delhi.

## 4.4. Research work

### Thesis submitted

1. Manne Munikumar. Computational approach to explore novel inhibitors and vaccine candidates for bacterial meningitis (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### DBT Traineeship Thesis

1. Chiranjeevi P. *In silico* design of novel leads against p55 protein domain of VacA toxin.

### DBT Studentship Thesis

1. Vagolu Siva Krishna. Designing of potent inhibitors against UDP-N-acetylglucosamine 2-epimerase of *Streptococcus pneumoniae* through virtual screening
2. Parveen S. *In silico* identification of novel inhibitors for exodeoxyribo- nuclease<sup>2</sup> of *Haemophilus influenza* type b KW20Rd.

### Ongoing Thesis work

1. Vani Priyadarshini I. Identification of common drug targets, drug molecules and vaccine candidates against causative organisms of infective endocarditis using *in silico* methods (PhD Thesis).

2. Dibyabhaba Pradhan. In silico identification of common drug targets in *Leptospira* spp., molecular modeling and docking approaches for designing inhibitor molecules (PhD Thesis).

#### Ongoing Dissertation work

1. Bhaskar B. Identification of novel inhibitor molecules for acyltransferase of *Leptospira interrogans* through virtual screening.
2. Charan Kumar M. Discovery of novel inhibitors by virtual screening against thymidylate synthase of *Helicobacter pylori* through virtual screening.
3. Lakshmi Vara Prasad M. Identification of novel inhibitors for inositol monophosphatase of *Staphylococcus aureus* through virtual screening.
4. Nakka Siva kumar Y. Discovery of novel inhibitors by virtual screening against GTP pyrophosphokinase of *Neisseria meningitidis* serogroup B
5. Narasimhulu N. Identification of novel inhibitors molecules of choloylglycine hydrolase of *Enterococcus faecalis* through virtual screening.
6. Parveen S. Molecular docking strategies to explore novel inhibitors against alpha-2,3-sialyltransferase of *Neisseria meningitidis*.
7. Vagolu Siva Krishna. In silico identification of novel inhibitors against putative sortase of *Streptococcus pneumoniae*.
8. Nagaram Sushmitha. Designing of novel inhibitors for DNA processing chain A of *Haemophilus influenzae* type b KW20Rd.
9. Naga Lakshmi, YVU, Cuddapah. Docking studies of human HMGB 1 protein: A cancer drug target with small molecules.
10. Katari Sudheer Kumar. Sree Vidyanikethan Engineering College, Tirupati. Designing of novel inhibitors against JNK1 through e-pharmacophore modeling.

#### 4.5 Conferences attended, Lectures delivered

**Dr A. Umamaheswari**, attended the following

1. National conference on Emerging Themes on Microbial Technology organized by SPMVV University, Tirupati during 22-24 January 2014.
2. Sophisticated Analytical instrumentation workshop organised by DST PURSE Centre, S.V. University, Tirupati during 24-30 March 2014.
3. Science Academies Lecture workshop on Advances in Biology and Biotechnology organised by department of Biochemistry, S.V. University, Tirupati during 2-4 April 2014.
4. National Seminar on TRENDYS in Biochemistry, 2014 organised by Department of Biochemistry, Acharya Nagarajuna University, Guntur during 17-18 October 2014.

**Dr A. Umamaheswari**, delivered lead talks on

1. "Role of Bioinformatics in Medicine" in AMBICON organized by department of Biochemistry, SVIMS University, Tirupati, AP, India during 13-16 November 2014.
2. "Drug design for viral diseases" in CME organized by Department of Biotechnology & Bioinformatics, SVIMS University, Tirupati, AP, India on 6<sup>th</sup> December 2014.

#### 4.6 Presentations by Research Scholars

1. In Biomedical Informatics and Novel Drug Discovery, 2014 organised by Bioinformatics Centre, Department of Biochemistry & J B Tropical Disease Research Centre, Mahatma Gandhi Institute of Medical Sciences, Sevagram (Wardha), Maharashtra during 1-2 December 2014. Pradhan D presented a poster on Computer aided novel drug discovery.

In APAS golden jubilee science congress, 2014 organised by CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad during 13-15 November 2014.



2. Sandeep Swargam presented a poster on Ligand-based, 3D-QSAR analysis and molecular docking studies of epidermal growth factor receptor.
3. Kanipakam Hema presented a poster on *In silico* putative drug target identification for the pathogens causing atherosclerosis.

National Seminar on Trends in Biochemistry, 2014 organised by Department of Bio-Chemistry, Acharya Nagarajuna University, Guntur during 17-18 October 2014.

4. Sandeep S presented a poster on Exploration of potential EGFR inhibitors: A combination of energy based pharmacophore modeling, molecular docking analysis.
5. Natarajan Pradeep presented a poster on E-Pharmacophore based virtual screening to identify agonist for PKA-C alpha.
6. Kanipakam Hema presented a poster on *In silico* identification of effective inhibitors against UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosaminideacetylase.
7. In Annual National Conference of Indian College of Cardiology (ICCCON 2014) during 19-21 September 2014. Priyadarshini V presented a poster on Discovery of potent RNA polymerase sigma-70 factor inhibitors against the pathogens causing infective endocarditis through molecular modeling, docking and dynamics simulations.
8. In National conference on Emerging Science and Technologies: Impact on Environment & Human Health organized by Department of Biotechnology, Vikrama Simhapuri University, Nellore, A.P., during 1-3 August 2014. Kanchana ganga U presented an oral presentation on 'Effect of nonylphenol on spermatogenesis and testicular steroidogenesis in rats: *in vivo* and *in silico* approaches.
9. In National Seminar on Present Status and Future Prospects of Modern Biotechnology and Their Applications (PSFPMBA.2014),

Department of Biotechnology School of Herbal Studies & Naturo Sciences, Dravidian University during 27 – 29 March 2014: Priyadarshini V presented a poster on 'Molecular modeling, docking and dynamic studies to identify potent InfC inhibitors for pathogens causing infective endocarditis.

In 5<sup>th</sup> National seminar on Bioinformatics organized by Department of Bioinformatics, SVIMS University, Tirupati, during 14 -15 February 2014.

10. Natarajan Pradeep presented a oral presentation on 'E-Pharmacophore based virtual screening to identify lead molecules for GSK-3 $\alpha$  induced Alzheimer's disease.
11. Mobeen SA presented a poster on ' Docking studies to explore novel inhibitors against human beta-site APP cleaving enzyme (BACE-1).
12. Manne Munikumar presented a poster on Identification of potent inhibitors for RuvA. through different docking strategies.
13. Pasala Chiranjeevi presented a poster on *In silico* design of novel leads against. p53 protein domain of VacA toxin.
14. In National conference on Emerging Themes on Microbial Technology organized by SPMVV University, Tirupati during 22-24 January 2014. Hema K Presented a oral presentation on Discovery of potent inhibitors against the pathogen *Chlamydia pneumoniae*.

#### 4.7 Publications

1. Monika K, Umamaheswari A, Megharaj M, Venkateswarlu Kadiyala. In silico approach to support that p-nitrophenol monooxygenase from *Arthrobacter* sp. strain JS443 catalyzes the initial two sequential monooxygenations. *Interdiscip Sci Comput Life Sci* 2014;7:1-12.
2. Praveen K, Hemanth Kumar M, Umamaheshwari A, Reddy DM, Sudhakar P,

Munikumar M, Pradhan D, Sabita N. A Sugarcane Germplasm Database. Sugar Tech. DOI: 10.1007/s12355-014-0307-4. (E pub ahead of print)

3. Rajitha G, Prasad KVSRG, Umamaheswari A, Pradhan D, Bharathi K. Synthesis, biological evaluation and molecular docking studies of N-( $\alpha$ -acetamidocinnamoyl) aryl hydrazone derivatives as anti inflammatory and analgesic agents. J Medi Chem Res 2014;23:5204-14.
4. Priyadarshini V, Pradhan D, Munikumar M, Swargam S, Umamaheswari A, Rajasekhar D. Genome-based approaches to develop epitope-driven subunit vaccines against pathogens of infective endocarditis. J Biomol Struct Dyn 2014;32:876-89.
5. Pradhan D, Priyadarshini V, Munikumar M, Swargam S, Umamaheswari A, Aparna B. Para-(benzoyl)-phenylalanine as a potential inhibitor against LpxC of *Leptospira* spp.: Homology modeling, docking and molecular dynamics study. J Biomol Struct Dyn 2014;32:171-85.

#### 4.8 CMEs/Seminars/Workshops/ Orations conducted

1. National Seminar on Bioinformatics was organized by Department of Bioinformatics during 14-15 February 2014.
2. Pre-Conference Workshop on Bioinformatics in XXII Annual National Conference of Association of Medical Biochemists of India (AMBICON 2014) was organized by Department of Bioinformatics in collaboration with Department of Biochemistry, SVIMS University, Tirupati on 13<sup>th</sup> November 2014.
3. CME on Clinical Diagnosis of Virological disease with special reference to Ebola Virus was organized by Department Biotechnology and Bioinformatics on 6<sup>th</sup> December 2014.

#### 4.9 Other academic activities

1. Among Eight MSc Bioinformatic Students, six were selected for BCIL-BIITP (Bioinformatics industrial training programme) and one student joined as DBT project trainee.

## 5.0 DEPARTMENT OF BIOTECHNOLOGY

### Associate Professor & Head

Dr PVGK Sarma

### Assistant Professor

Dr C. Bhuvaneshwari Devi

### Teaching Assistant

U. Venkateswara Prasad

### Research Scholars

S. Yeswanth  
V. Swarupa

K. Venkatesh  
L. Srikanth

M.M. Sunitha  
K. Kiran Kumari  
G. Indravathi

### 5.1 Awards, achievements and felicitations

**K. Kiran Kumari**, Research Scholar in Ph.D (Biotechnology) won the **Best poster award for poster presentation** for the paper titled “Manganese induced in cholinergic system and energy metabolism in specific regions of Rat brain: Reversal effect of Vitamin E” (National Seminar on Bioinformatics, 2014) held at SVIMS University, Tirupati during 14-15 February 2014.

### 5.2 Fellowships

1. Mr. Yeswanth S, received ICMR Senior Research Fellowship for research project entitled Molecular characterization of Biofilm forming proteins from *Staphylococcus aureus* ATCC 12600.
2. Ms. Swarupa V, received ICMR Senior Research Fellowship for research project entitled Molecular characterization of peptidyl deformylase and ligase from *S. aureus* ATCC 12600.

### 5.3 Research projects

#### Research projects completed in 2014

##### National

1. **Principal Investigator:** Venkateswara Prasad U, **Title:** Molecular characterization

of Alkaline Phosphatase and Acid Phosphatase from *S. aureus* ATCC 12600.  
**Funding agency:** SBAVP, SVIMS.

#### Ongoing Research projects

##### National

1. **Principal Investigator:** Dr PVGK. Sarma, **Title:** Molecular characterization of Biofilm forming proteins from *Staphylococcus aureus* ATCC 12600. **Funding agency:** Indian Council of Medical Research, Govt. of India, New Delhi.
2. **Principal Investigator:** Dr PVGK. Sarma, **Title:** Molecular characterization of peptidyl de formylase and ligase from *S. aureus* ATCC 12600. **Funding agency:** Indian Council of Medical Research, Govt. of India, New Delhi.
3. **Principal Investigator:** Dr C. Bhuvaneshwari Devi, **Title:** Behavioral and neuro chemical alterations of manganese exposure in young and adult rats. **Funding agency:** Department of Science & Technology, Govt. of India, New Delhi.
4. **Principal Investigator:** Yeswanth S, **Title:** Molecular characterization of Biofilm forming proteins from *Staphylococcus aureus* ATCC 12600. **Funding agency:** Sri Balaji



Arogya Vara Prasadini Scheme, Sri Venkateswara Institute of Medical Sciences, Tirupati.

5. **Principal Investigator:** Swarupa V, **Title:** Molecular characterization of peptidyl de formylase and ligase from *S. aureus* ATCC 12600. **Funding agency:** Sri Balaji Arogya Vara Prasadini Scheme, Sri Venkateswara Institute of Medical Sciences, Tirupati.

#### 5.4 Research work

##### Thesis work

##### Thesis submitted

1. Dr Venkateswara Prasad U. Molecular characterization of Alkaline Phosphatase and Acid Phosphatase from *S. aureus* ATCC 12600 (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

##### Ongoing Thesis work

1. Yeswanth S. Molecular characterization of Biofilm forming proteins from *Staphylococcus aureus* ATCC 12600 (PhD Thesis).
2. Swarupa V. Molecular characterization of peptidyl de formylase and ligase from *S. aureus* ATCC 12600 (PhD Thesis).
3. Venkatesh K. In vitro differentiation and characterization of cultured human hematopoietic stem cells to Cardiomyocytes, Astrocytes and Oligodendrocytes (PhD Thesis).
4. Srikanth L. In vitro differentiation and characterization of cultured human hematopoietic stem cells to Type II pneumocytes and Osteocytes (PhD Thesis)
5. Sunitha MM. In vitro differentiation of CD34+ stem cells into podocytes and beta cells of pancreas (PhD Thesis)
6. Kiran Kumari K. Manganese induced neurobehavioral and neurochemical alterations in the developing rat brain: protective role of alpha tocopherol (PhD Thesis)

7. Indravathi G. Manganese induced oxidative stress and hematological alterations in rats: Protective role of alpha tocopherol (PhD Thesis)

#### 5.5 Dissertation Work

##### Dissertation submitted

1. Roopesh G. Expression and characterization of Reticulocytes specific marker  $\alpha$ -globin gene from erythropoietin (EPO) induced CD 34+ stem cells Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Haritha R. In vitro differentiation of reticulocytes from erythropoietin (EPO) induced CD 34+ stem cells. Sri Venkateswara Institute of Medical Sciences; 2014.
3. Anusha S. Identification and characterization of Alcohol dehydrogenase from *Staphylococcus aureus* ATCC 12600. Sri Venkateswara Institute of Medical Sciences; 2014.
4. Shravani V. Identification and characterization of peptidyl deformylase from *Staphylococcus aureus* ATCC 12600 Sri Venkateswara Institute of Medical Sciences; 2014.
5. Sarath Kumar G.D. In vitro characterization of *Staphylococcus aureus* Biofilms and identification of FnBA gene and its involvement in biofilm formation. Sri Venkateswara Institute of Medical Sciences; 2014.
6. Desamma K. Cloning, expression and characterization of protein tyrosine phosphatase gene from *Staphylococcus aureus* ATCC12600. Sri Venkateswara Institute of Medical Sciences; 2014.
7. Guma B. Differentiation of Human CD34+ StemCells into oligodendrocytes. Sri Venkateswara Institute of Medical Sciences; 2014.
8. Hari Prasad P. Cloning Expression & characterization of NAT gene from

- Staphylococcus aureus ATCC12600. Sri Venkateswara Institute of Medical Sciences; 2014.
9. Madhu Rekha E. Identification of glut2 transporter gene expression in differentiated beta cells obtained from human hematopoietic stem cells. Sri Venkateswara Institute of Medical Sciences; 2014.
  10. Naveen Kumar N. To study the expression of PDX1 Gene in differentiated Beta cells from human CD34+ cells. Sri Venkateswara Institute of medical Sciences; 2014.
  11. Nirmala M. Cloning, expression and characterization of “pyruvate decarboxylase” gene from Staphylococcus aureus ATCC12600. Sri Venkateswara Institute of Medical Sciences; 2014.
  12. Padmavathi V. Differentiation of Human CD34+ Stem Cells into Cardiomyocytes. Sri Venkateswara Institute of medical Sciences; 2014.
  13. Priya P. Identification and characterization of penta peptide ligase from Staphylococcus aureus ATCC12600. Sri Venkateswara Institute of medical Sciences; 2014.
  14. Priyanka MN. Quantitative Real time PCR analysis to assess the expression of Surfactant proteins B & C in In vitro differentiated type II pneumocytes culture obtained from human CD34+ cells. Sri Venkateswara Institute of medical Sciences; 2014.
  15. Somasekhar G. Synthesis and Characterization of Silver Nanoparticles using Bacillus subtilis and Bacillus anthracis its effect on the antibiofilm Activity of Staphylococcus aureus. Sri Venkateswara Institute of medical Sciences; 2014.
  1. Sanjeev Kumar A. Functional outcome of autologous stem cell transplantation in patients with complete spinal cord injury (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
  2. Anju Verma. Prevalence of Hepatitis C virus infection and its genotypes among the blood donors at Tirupati, Andhra Pradesh (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

## 5.6 Conferences attended, lectures delivered

### International

1. **Dr PVGK. Sarma**, attended the INDO-US-Workshop and delivered guest lecture on Staphylococcus aureus biofilms- Antibiotic resistance and Bacterial antibiotics resistance and nanotechnologies” held at V. S. University, Nellore and American Society of Microbiology during 26 - 28 September 2014.
2. **Dr C. Bhuvaneswari Devi**, attended the conference on Emerging science and technologies: Impact on environment and human health held at Department of Biotechnology V.S. University, Nellore and UNT Health Science centre, Texas, USA US EPA, Research triangle park, NC, USA and presented a paper on “Manganese induced cardiac mitochondrial oxidative stress: Reversal role of vitamin E” during 1-3 August 2014.

### National

**Dr PVGK Sarma**, attended the following

1. Sciences Academics Lecture Workshop on “Advances in Biology and Biotechnology” and delivered guest lecture on “Metabolic status in Staphylococcus aureus influences biofilm formation” held at Sri Venkateswara University, Tirupati, during 2-4 April, 2014.
2. Colloquium on Stem cell Research on Human Therapeutics, jointly organized by Sri Venkateswara University, and Nichi - In Centre for Regenerative Medicine (NCRM),

## Thesis work done in collaboration with other departments

### Theses submitted

**Dr PVGK. Sarma**, was *Co-guide* for the following theses

Chennai and delivered guest lecture on “Therapeutic importance of Human CD34+ stem cells in regenerative medicine” held at Sri Venkateswara University, Tirupati on 19<sup>th</sup> April, 2014.

3. Programme conducted by DrNTR University of Health Sciences and delivered guest lecture on “Stem cells and Periodontal regeneration in the zonal of CDE” on 25<sup>th</sup> July, 2014.
4. Invited Lecture on SWBMBT-2014 sponsored by UGC-SERO, Hyderabad organized by department of Biotechnology, Govt. Degree College, Kodur (RS), Kadapa (Dist), Andhra Pradesh and delivered guest lecture on “Basics techniques in Molecular biology (SWBMBT-2014)” during 7- 9 November 2014.

**Dr C. Bhuvaneswari Devi**, attended the following

1. Sophisticated Analytical instrumentation workshop. Organized by DST Purse Centre, S.V. University, Tirupati during 24-30 March 2014.
2. Science academies lecture workshop on advances in Biology and Biotechnology. Organized by department of Biochemistry, S.V. University, Tirupati during 2-4 April 2014.
3. Presented Annual progress report of DST project entitled “Behavioural and neurochemical alterations of Manganese exposure in young and adult rats” in the Group Monitoring Workshop of Department of Science and Technology held at Githam University, Visakapattanam during 25 - 26 September 2014.
4. The National conference on Conservation of Eastern Ghats. Organized by GrACE and Dept of Botany, S.V. University, Tirupati during 4<sup>th</sup> – 5<sup>th</sup> December 2014.

### 5.7 Presentations by postgraduate students

In International Conference on Cancer Biology: Molecular Mechanisms and Novel Therapeutics at Department of Biotechnology, Indian Institute of Technology Madras & Cancer Research and Relief Trust during 30<sup>th</sup> January – 1<sup>st</sup> February 2014.

1. P. Santhosh Kumar. Presented a paper on “Novel frame shift mutations (‘A’ deletion) observed in exon 9 of Wilms’ tumor (WT1) gene in a patient reported with glomerulosclerosis”.
2. M.M. Sunitha, Presented a paper on “Mutation analysis of Y402H in the exon 9 of Complement Factor H Gene Causes Dense Deposited Disease in patient”.
3. 83<sup>rd</sup> Annual Meeting of Society of Biological Chemists (India) jointly organized by Institute of Life Science (ILS), KIIT University and NISER, Bhubaneswar held from 17-21 December 2014. S. Yeswanth, V Presented a paper on “Interactions of Protein-A with *stpK* of *Staphylococcus aureus* regulates Protein-A binding with human IgG - Favours biofilm formation”.

### 5.8 Publications

1. Yellapu N, Mahto MK, Valasani KR, Sarma PVGK, Matcha B. Mutations in exons 10 and 11 of human glucokinase result in conformational variations in the active site of the structure contributing to poor substrate binding - explains hyperglycemia in type 2 diabetic patients. J Biomol Struct Dyn 2014;15:1-14.
2. Prasad UV, Swarupa V, Yeswanth S, Santhosh Kumar P, Kumar ES, Reddy KM, Kumar YN, Rani VJ, Chaudhary A, Sarma PVGK. Structural and Functional analysis of *Staphylococcus aureus* NADP-dependent IDH and its comparison with Bacterial and Human NADPdependent IDH. Bio Inform 2014;10:81-6.



3. Chiranjeevi T, Prasad OH, Prasad UV, Kumar AK, Chakravarthi VP, Rao PB, Sarma PVGK, Reddy NR, Bhaskar M. Identification of Microbial Pathogens in Periodontal disease and Diabetic patients of South Indian Population. *Bio Inform* 2014;10:241-5.
4. Santhosh Kumar P, Kumar YN, Prasad UV, Yeswanth S, Swarupa V, Sowjenya G, Venkatesh K, Srikanth L, Rao VK, Sarma PVGK. In silico designing and molecular docking of a potent analog against *Staphylococcus aureus* porphobilinogen synthase. *J Pharm Bioallied Sci* 2014;6:158-66.
5. Santhosh Kumar P, Kumar YN, Prasad UV, Yeswanth S, Swarupa V, Vasu D, Venkatesh K, Srikanth L, Rao VK, Sarma PVGK. Comparative Structural and Functional Analysis of *Staphylococcus aureus* Glucokinase with other Bacterial Glucokinases. *Indian J Pharm Sci.* 2014;76:430-6.
6. Santhosh Kumar P, Venkatesh K, Sowjenya G, Srikanth L, Mudhu Sunitha M, Venkateswara Prasad U, Swarupa V, Yeswanth S, Sri Ram Naveen P, Sridhar A, Siva Kumar V, Sarma PVGK. Mutations in exons 3 and 7 resulting in truncated expression of human ATP6V1B1 gene showing structural variations contributing to poor substrate binding- causative reason for distal renal tubular acidosis with sensorineural deafness. *J Biomol Struct Dyn.* 2014;17:1-29.
7. Santhosh Kumar P, Katari V, Lokanathan S, Uppu VP, Thummaginjala SS, Akkamgari RP, Ayapati T, Kottu R, Sarma PVGK. Novel frame shift mutations (‘A’ deletion) observed in exon 9 of Wilms’ tumor (WT1) gene in a patient reported with glomerulosclerosis. *Gene* 2014;546:63-7.
8. Vasu D, Sunitha MM, Srikanth L, Swarupa V, Venkateswara Prasad U, Sireesha K, Yeswanth S, Santhosh Kumar P, Venkatesh K, Abhijit Chaudhary, Sarma PVGK. In *Staphylococcus aureus* the regulation of pyruvate kinase activity by serine/threonine protein kinase favors biofilm formation. *Biotech* 2014. DOI 10.1007/s13205-014-0248-3 (E pub ahead of print).
9. Yellapu NK, Valasani KR, Santhosh Kumar P, Gopal S, Sarma PVGK, Matcha B. Identification and analysis of novel R308K mutation in glucokinase of type 2 diabetic patient and its kinetic correlation. *Biotechnol Appl Biochem* 2014;61:572-81.
10. Venkateswara Prasad U, Vasu D, Yeswanth S, Swarupa V, Sunitha MM, Choudhary A, Sarma PVGK. Phosphorylation controls the functioning of *Staphylococcus aureus* isocitrate dehydrogenase – favours biofilm formation. *J Enzyme Inhib Med Chem.* 2014. DOI: 10.3109/14756366. 2014. 959945. (E pub ahead of print).
11. Bhuvaneswari Devi C, Kiran kumari K, Jyotsna V, Indravathi G. Manganese induced toxic effects on oxidative system and mRNA expression of mn-sod and gpx in albino rat brain: Protective effect of Alpha tocopherol. *Inter Jour Inno Res Sci Eng Tech.* 2014;3: 9252-62.
12. Bhuvaneswari Devi C, Kiran kumari K, Indravathi G. Arsenic induced perturbations in cholinergic system and energy metabolism in young and adult rat brain: reversal effect of vitamin-E. *Inter J Inno Res Sci Eng Tech* 2014;3:16840-9.
13. Indravathi G, Kiran kumari K, Bhuvaneswari Devi C. Manganese induced hematological alterations in albino rats: Reversal effect of alpha-tocopherol. *Inter J Inno Res Sci Eng Tech.* 2014;3:14988-99.
14. Bhuvaneswari Devi C, Jyotsna V, Kiran kumari K, Indravathi G, Archana T. In vitro effect of lead on cholinergic and bioenergetic system in synaptosomal and mitochondrial fractions of rat brain regions. *Inter Jour Adva Life Sci* 2014;7:1-10.

### 5.9 CMEs/Seminars/Workshops/Orations conducted

1. A CME on “Clinical diagnosis of virological disease with special reference to Ebola Virus” was conducted on 6<sup>th</sup> December 2014 jointly by the Department of Biotechnology and Bioinformatics.

### 5.10 Other academic activities

#### Gen bank submissions

1. Homo sapiens truncated Wilm’s tumor suppressor protein (WT1) gene, exon 9 and partial cds [GenBank: KF529532].
  2. Homo sapiens complement factor H gene, exon 9 and partial cds [GenBank: KF913025].
  3. Homo sapiens truncated ATPase V-type subunit B1 (ATP6V1B1) gene, exon 7 and partial cds [GenBank: KM222653].
  4. Homo sapiens proline-serine-threonine phosphatase interacting protein 1 (PSTPIP1) gene, exon 3 and partial cds [GenBank: KF805723].
  5. Uncultured Fusobacterium sp. clone PD7 16S ribosomal RNA gene, partial sequence [GenBank: KF952289].
  6. Uncultured Treponema sp. clone PD2 16S ribosomal RNA gene, partial sequence [GenBank: KF952290].
  7. Uncultured Fusobacterium sp. clone PD4 16S ribosomal RNA gene, partial sequence [GenBank: KF952288].
  8. Tannerella forsythia isolate tf5 16S ribosomal RNA gene, partial sequence [GenBank: KF704707].
- Dr C. Bhuvaneswari Devi** attended BOS meetings for environmental studies at DRW College, Gudur, S.V. Vedic University and S.V. Oriental colleges affiliated to S.V. Vedic University.

## 6.0 DEPARTMENT OF CARDIOLOGY

### Professor & Head

Dr D. Rajasekhar

### Faculty

Dr V. Vanajakshamma  
Dr C. Sivasankara  
Dr K.P. Ranganayakulu  
Dr A. Vidyasagar  
Dr M. Boochi Babu

### DM PG Senior Residents

|                         |                         |
|-------------------------|-------------------------|
| Dr A. Ravi Kanth        | Dr M.V. Kalyan          |
| Dr A. Vamsidhar         | Dr R. Madhavi           |
| Dr K. Naresh            | Dr C. Kapil             |
| Dr P. Vasudeva Chetty   | Dr Harshavardhan E.V.   |
| Dr D. Kranthi Chaitanya | Dr Tirumala Naresh Rava |
| Dr G. Obul Reddy        | Dr Sudhakar Reddy       |

### PhD Research Scholars

Mr Latheef K  
Ms Sowjenya G  
Mr Sreedhar Naik K

### 6.1 Awards, achievements and felicitations

1. **Dr D. Rajasekhar**, Professor & Head, Department of Cardiology was awarded *prestigious fellowship* of FSCAI by Society of Coronary Angiography and Interventions (SCAI), USA.
2. **Dr D. Rajasekhar**, Professor & Head, Department of Cardiology won **Second Prize** for “Real world experience of primary PCI in 1000 STEMI patients in Indian scenario at tertiary care centre” in the award session for free papers in the 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) held at Tirupati during 19-21 September 2014.
3. **Dr A. Vamsidhar**, Senior Resident, Cardiology won **Third Prize** for “Incremental prognostic value of NT pro BNP levels in acute pulmonary embolism” in the award session for free papers in the 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) held at Tirupati during 19-21 September 2014.
4. **Dr K. Naresh**, Senior Resident, Cardiology won the **Best Poster** award for “Predictive value of D-Dimer levels and tissue Doppler mitral annular systolic velocity for detection of Left atrial appendage thrombus in patients with mitral stenosis in sinus rhythm” in 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) held at Tirupati during 19-21 September 2014.
5. Department of Cardiology, successfully organised 21<sup>st</sup> Annual National Conference of Indian College of Cardiology (ICCCON-2014) at Hotel Fortune Select Grand Ridge, Tirupati during 19-21, September 2014.
6. Department of Cardiology performed more than 1000 angioplasties in a calendar year for, fourth year in succession in 2014. (n=1223)
7. The Department performed the highest number of interventions in a calendar year in 2014, (n=1577) the highest since inception.
8. Department of Cardiology performed 264 Primary angioplasties in the Calendar year 2014, the highest by any single centre in the state.

### 6.2 Research Projects

#### Research Projects completed in 2014 (Self funding)

1. **Principle Investigator:** Dr D. Rajasekhar.  
**Title:** Profile and outcomes of ST elevation Myocardial Infarction patients presenting to Sri Venkateswara Institute of Medical Sciences in 2013 (SVIMS STEMI Registry).



### Ongoing Research Projects (Self funding)

1. **Naresh K.** Calculation of time in therapeutic range in valve clinic follow-up patients.
2. **Vasudeva Chetty P.** Study on Appropriateness of Percutaneous coronary revascularisation procedure being done in Cardiology, SVIMS, Tirupati.
3. **Ravikanth A.** The clinical and electrophysiological profile in patients of Atrioventricular nodal re-entrant tachycardia (AVNRT) and Atrioventricular re-entrant tachycardia (AVRT).
4. **Kranthi Chaitanya D.** Prevalence, treatment and outcomes of Prosthetic valve thrombosis at SVIMS.
5. **Obul Reddy G.** Long term and follow-up of patients undergoing ASD device closures at SVIMS.
6. **Kalyan MV.** Clinical, laboratory features in patients with pericardial effusion.
7. **Madhavi R.** Assessment of CAD severity in CKD patients on maintenance haemodialysis by coronary angiography.

### 6.3 Research Work

#### Thesis Work

##### Theses Submitted

1. Siva Sankara C. The prognostic significance of N-terminal proBNP, 3D LA dyssynchrony in patients with acute ST-elevation myocardial infarction (STEMI) undergoing Primary Percutaneous Coronary Intervention (PCI)(DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Vidyasagar A. Assessments of RV function by 2D and 3D echocardiography before and after ASD device closures (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Ranganayakulu KP. Plasma N-terminal proBNP levels as a marker of adequacy of valvotomy in patients with rheumatic mitral stenosis (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
4. Boochi Babu M. Study of the relationship between metabolic syndrome score and angiographic severity of coronary artery disease (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### Ongoing Thesis work

1. Vamsidhar A. Correlation of NTproBNP levels with severity of acute pulmonary embolism (DM Thesis).
2. Ravikanth A. The correlation of NT-proBNP with echocardiographic indices including 3D vena contracta width in the assessment of severity of MR (DM Thesis).
3. Naresh K. Predictive value of D-dimer and mitral annular systolic velocity for detection of LAA thrombus in patients with mitral stenosis and sinus rhythm (DM Thesis).
4. Vasudeva Chetty P. Comparative study of aortic velocity propagation by color M-mode of descending thoracic aorta (AVP) with Carotid intima media thickness (CIMT) as a non-invasive marker of atherosclerosis (DM Thesis).
5. Kranthi Chaitanya D. Correlation of syntax score, epicardial fat thickness and carotid intima medial thickness (DM Thesis).
6. Obul Reddy G. New Echocardiographic parameters to predict PTMC outcomes (DM Thesis).
7. Kalyan MV. Correlation of Vitamin-D levels with angiographic severity in CAD patients (DM Thesis).
8. Madhavi R. Study of efficacy and resistance of Thienopyridine antiplatelet drugs in Indian patients undergoing PCI and to study genetic polymorphisms of ABCB1 gene in patients found to have resistance to clopidogrel (DM Thesis).

9. Latheef K. Study of polymorphisms of MTHFR, IL-6 and ICAM-1 genes in patients with coronary artery disease (PhD Thesis).
10. Sowjanya G. Genetic polymorphism of Cytochrome P450 is associated with endothelial dysfunction in the patients with coronary artery disease (PhD Thesis).
11. Sreedhar Naik K. Genetic polymorphism of LTA, BAT1 and NFKBIL1 genes in patients with myocardial infarction (PhD Thesis).

#### **Thesis work done in collaboration with other departments**

##### **Thesis submitted**

1. Ashalatha VS. Novel Biomarkers in Studying the Contrast- Induced Effects on Kidney (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

##### **Ongoing Thesis work**

1. Shanti C. Influence of graded aerobic exercise on quality of life and exercise tolerance in post surgical Mitral valve disease individuals randomised open label study (PhD Thesis).

#### **6.4 Conferences attended, lectures delivered**

##### **International**

1. **Dr D. Rajasekhar**, attended SCAI 2014 conference as Associate Faculty held at Las Vegas, NV between 28-31 May 2014 and presented a poster on “Clinical outcomes from unselected real-world patients with acute myocardial infarction receiving biodegradable polymer coated Sirolimus-eluting stents”.

##### **National**

**Dr D. Rajasekhar**, attended the following

1. 66<sup>th</sup> Annual Conference of Cardiological Society of India (CSICON-2014) conference held at Hyderabad during 4-7 December 2014 as faculty, chairperson and speaker and delivered a lecture on “History taking and examination: Common mistakes”.

2. 21<sup>th</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014 as faculty, chairperson and speaker and delivered a lecture on “Platelet aggregation inhibition: to test or not to test”.
3. 19<sup>th</sup> Annual Conference of AP Chapter of Cardiological Society of India (APCSI 2014) held at Hyderabad during 4-5 July 2014 as faculty and delivered a lecture on “Should every Indian receive statin. What is the evidence?”.
4. Delivered a lecture on “Primary angioplasty for STEMI-SVIMS experience” in a CME organised by Sentinel Hospital, Vijayawada on 9<sup>th</sup> March 2014.
5. TRICO 2014 held at Ahmedabad during 11-12 October 2014 and chaired a scientific session.
6. ACVS conference held at Hyderabad during 1-3 August 2014 and chaired a scientific session.
7. Live and CTO meet at Hyderabad during 6-8 June 2014 as a faculty and chaired scientific sessions.
8. New Delhi Cardiovascular symposium as delegate organised at New Delhi during 1-2 February 2014.

**Dr V. Vanajakshamma**, attended 21<sup>th</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference as a faculty, chairperson and speaker held at Tirupati during 19-21 September 2014 and chaired a scientific session.

**Dr A. Vidyasagar**, attended the following

1. TRICO 2014 held at Ahmedabad during 11-12 October 2014.
2. 66<sup>th</sup> Annual Conference of Cardiological Society of India (CSICON-2014) conference held at Hyderabad during 4-7 December 2014 and presented a paper on “Right Ventricular assessment Before and after ASD Device Closure” in Navin C. Nanda Young Investigator award session.

**Dr C. Sivasankara**, attended the following

1. TRICO 2014 held at Ahmedabad during 11-12 October 2014.
2. 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014 and presented a poster on “Safety and efficacy of the Biodegradable Polymer-Coated Sirolimus-Eluting Coronary Stent System (Indolimus): Results from a single-center, nonrandomized, retrospective registry”.
3. 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014.

**Dr M. Boochi Babu**, attended 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014.

**Dr K.P. Ranganayakulu**, attended 21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014.

## 6.5 Paper presentations by Postgraduate students

21<sup>st</sup> Annual Conference of Indian College of Cardiology (ICCCON-2014) conference held at Tirupati during 19-21 September 2014.

1. Dr A. Vamsidhar, presented papers on “Incremental prognostic value of NT-pro BNP levels in acute pulmonary embolism” and “Real world experience of primary PCI in 1000 STEMI patients in Indian scenario at a tertiary care center” and a poster on “Characteristics, treatment and 30 day outcomes of ST elevation myocardial infarction in a sub-urban Indian tertiary care centre”.
2. Dr P. Vasudeva Chetty, presented papers on “Comparative study of aortic velocity propagation by colour M-mode with carotid intima media thickness as a non-invasive marker of atherosclerosis” and “Study on

appropriateness of Percutaneous Coronary Interventions done in a high volume tertiary care centre”.

3. Dr A. Ravikanth, presented a paper on “The correlation of NT-proBNP with echocardiographic indices including 3D vena contracta width in the assessment of severity of MR”. a poster on “To study clinical and electrophysiological characteristics in patients with atrioventricular reentrant and atrioventricular nodal reentrant tachycardia”.
  4. Dr K. Naresh, presented a paper on “Predictive value of D-dimer levels and Tissue Doppler mitral annular systolic velocity for detection of left atrial appendage thrombus in patients with Mitral stenosis in sinus rhythm”.
  5. Dr M.V. Kalyan, presented a paper on “Correlation between plasma 25-OH-D levels with angiographic severity in coronary artery disease patients”.
  6. Dr G. Obul Reddy, presented a paper on “Prognostic significance of NT-proBNP, 3D LA volume and LV dyssynchrony in patients with acute STEMI undergoing primary percutaneous intervention” and a poster on “Safety and efficacy of the bare metal Stent System (Flexinnium): Results from a single-center, nonrandomized, retrospective registry”.
  7. Dr R. Madhavi, presented a paper on “A study of efficacy and resistance of Thienopyridine antiplatelet drugs in patients who underwent percutaneous coronary angioplasty”.
  8. Dr D. Kranthi Chaitanya, presented posters on “NT-proBNP, an important biomarker in patients with severe Mitral Stenosis undergoing PTMC” and “Thrombolysis of mechanical prosthetic valve thrombosis: a single-centre study”.
- 66<sup>th</sup> Annual Conference of Cardiological Society of India (CSICON-2014) conference held at Hyderabad during 4-7 December 2014



9. Dr A. Vamsidhar, presented a paper on “Characteristics, treatment and 30 day outcomes of ST elevation myocardial infarction in a sub-urban Indian tertiary care centre”. and posters on “Prognostic significance of NT-pro BNP, 3D LA volume and LV dyssynchrony in patients with acute STEMI undergoing primary PCI” and “Real world experience of primary PCI in 1000 STEMI patients in Indian scenario at a tertiary care center”.
10. Dr A. Ravikanth, presented posters on “To study clinical and electrophysiological characteristics in patients with atrioventricular reentrant and atrioventricular nodal reentrant tachycardia” and “The correlation of NT-pro BNP with echocardiographic indices in the assessment of severity of MR” and “Study of the relationship between metabolic syndrome score and angiographic severity of coronary artery disease according to the presence of diabetes”.
11. Dr K. Naresh, presented posters on “Predictive value of D-dimer levels and tissue Doppler mitral annular systolic velocity for detection of left atrial appendage thrombus in patients with mitral stenosis” and “Calculation of Time in Therapeutic Range (TTR) in valve clinic follow up patients with mechanical heart valve replacement”.
12. Dr P. Vasudeva Chetty, presented posters on “Comparative study of aortic velocity propagation by colour M-Mode with carotid intima media thickness as a non-invasive marker of atherosclerosis” and “Study on appropriateness of Percutaneous Coronary Interventions [PCI] done in a high volume tertiary care centre” and on “N-Terminal-proBNP [NT-proBNP], a surrogate biomarker of combined clinical and hemodynamic outcomes following PTMC”.

## **6.6 Publications**

### **Publications in indexed journals**

#### **Original Articles**

1. Siva Sankara C, Rajasekhar D, Latheef K, Subramanyam G, Vanajakshamma V, Siva Prasad PV. Left ventricular myocardial performance index for assessment of acute periprocedural outcomes in coronary artery disease patients after successful percutaneous coronary intervention. *J Indian Coll Cardiol* 2014;4:144-51.
2. Boochi Babu M, Rajasekhar D, Vanajakshamma V, Vinod Kumar M, Latheef K. Effects of statin therapy on endothelial function in Metabolic syndrome. *Int J Clin Med* 2014;5:149-56.
3. Sreenivasa Kumar ML, Rajasekhar D, Vanajakshamma V, Latheef K. Impact of metabolic syndrome on global left ventricular function: as evaluated by myocardial performance index. *J Saudi Heart Assoc* 2014;26:145-51.
4. Rajasekhar D, Vanajakshamma V, Ravikanth A, Praveen Kumar BS. Clinical efficacy of L-carnitine in Scorpion sting myocarditis: A randomised study. *J Indian Coll Cardiol* 2014;4:14-7.
5. Thejanandan Reddy CS, Rajasekhar D, Vanajakshamma V, Latheef K. Comparison of NTproBNP and tissue doppler in Diagnosing diastolic heart failure. *Br J Med Med Res* 2015;5:509-17.
6. Boochi Babu M, Rajasekhar D, Vanajakshamma V, Sarath Babu D, Ravikanth A. Study of the Relationship between Metabolic Syndrome Score and Angiographic Severity of Coronary Artery Disease According to the Presence of Diabetes. *Br J Med Med Res*. 2015;5:1502-13.
7. Mohan A, Sada S, Kumar BS, Sarma KV, Devi BV, Rao PV, Rajasekhar D, Katyarmal DT. Subclinical atherosclerosis in patients with

rheumatoid arthritis by utilizing carotid intima-media thickness as a surrogate marker. Indian J Med Res. 2014;140(3):379-86.

8. Srinivas B, Vanajakshamma V, Nishanth VP, Pranav P, Tammi Raju I, Amar Narayan P, Seshagiri Rao D. Reliability of Doppler-Based Measurement of Pulmonary Vascular Resistance in Congenital Heart Disease with Left-to-Right Shunt Lesions. Echocardiography. 2014 (Article in Press).
9. Rajasekhar D, Vanajakshamma V, Sarath Babu D, Sivasankara C, Bhavesh MK, Thakkar AS. Safety and efficacy of sirolimus-eluting stent in diabetic patients compared with non-diabetic patients undergoing percutaneous coronary intervention. J Cardiol Therapeutics 2014;2:21-6.
10. Praveen Kumar BS, Rajasekhar D, Vanajakshamma V. Study of clinical, Radiological, Echocardiographic features and correlation of Qanadli CT index with RV dysfunction and outcome in pulmonary embolism. Indian Heart J 2014;66:629-34.
11. Boochi Babu M, Rajasekhar D, Vanajakshamma V, Yogesh K. Successful ablation of a concealed accessory pathway mediated tachycardia in a patient with Lutembacher Syndrome. Minerva Cardioangiol 2014;62:433-6.
12. Vamsidhar A, Rajasekhar D, Vanajakshamma V, Babu DS, Rao KS, Vinod B. Multiple ruptures of left sinus of Valsalva aneurysm into main pulmonary artery. Asian Cardiovasc Thorac Ann. 2014(Article in Press).
13. Boochi Babu M, Rajasekhar D, Vanajakshamma V. Percutaneous transcatheter treatment of Lutembacher syndrome. J NTR Univ Health Sci 2014; 3:180.
14. Yadla M, Parvathina S, Chennu K, Durgaprasad R, Vanaja V, Vishnubotla S. Successful management of recurrent atrio-ventricular nodal re-entrant tachycardia with

radiofrequency ablation in a patient on maintenance hemodialysis. Saudi J Kidney Dis Transpl 2014;25:415-8.

### 6.7 CMEs/Seminars/Workshops/Orations conducted by the department

A CME was organised on 1<sup>st</sup> March, 2014 at Sri Padmavathi auditorium, SVIMS

The following lectures were delivered

1. Dr B.S. Praveen Kumar delivered a lecture on “Biomarkers in pulmonary thrombo-embolism”.
2. Dr C. Santosh Kumar delivered a lecture on “Emerging biomarkers in acute coronary syndromes”.
3. Dr U. Venkateswara Rao delivered a lecture on “Point of care testing for cardiac biomarkers in the ED: A blueprint for implementation”.
4. Dr D. Sarath Babu delivered a lecture on “The usefulness of high sensitivity Troponin in acute coronary syndromes”.

### Workshops conducted

1. Workshops on Radiofrequency ablation were conducted by the department on 11<sup>th</sup> January 2014, 15<sup>th</sup> February, 22<sup>nd</sup> March, 14<sup>th</sup> June, 12<sup>th</sup> July, 23<sup>rd</sup> August, 11<sup>th</sup> October and 22<sup>nd</sup> November 2014 with Dr Yogesh Kothari, from Apollo Hospitals, Bangalore.
2. A Workshop on ASD Device closures was conducted from 24-25 January 2014 by the department, with Dr Heugh, Bachnas.
3. A Workshop on ASD, VSD and PDA Device closures was conducted from 22-23 February 2014 by the department, with Dr Bhavesh Kumar Mahendra Bhai Thakkar, Ahmadabad.
4. A Workshop on ASD Device closures was conducted from 15-16 July 2014 by the department, with Dr Basil (Vasileios) D. Thanapoulou, Greece.

5. A Workshop on Device closures was conducted from 28-29 July 2014 by the department, with Dr I.B. Vijayalakshmi, Sri Jayadeva Institute of Cardiac Research, Bangalore.
6. A Workshop on Device closures was conducted from 21-22 December 2014 by the department, with Dr Bhavesh Kumar Mahendra Bhai Thakkar, Ahmadabad.

### **Orations Conducted**

1. 7<sup>th</sup> Cardiology chair oration was organised on 13<sup>th</sup> December 2014. Prof. Jaganmohan A Tharakan, Director, Professor & Head, Department of Cardiology, Sree Chitra Tirunal Institute of Institute of Medical Sciences Technology, Thiruvananthapuram was felicitated. He spoke on “Cardiac Electrophysiology – Past, present and future”.

### **6.8 Other Academic activities**

**Dr D. Rajasekhar**, Professor & Head, officiated as

1. **Core committee member** in Organ transplant committee of Andhra Pradesh state Government.
2. **Member of Institutional ethics committee**, Selection committee, Academic Senate, Executive board and Governing Council of SVIMS.
3. **Attended as MCI inspector** for starting DM - Cardiology course at the following Colleges: NIMS University, Jaipur; Rajasthan Mahatma Gandhi Medical College, Sewagram, Wardha, Maharashtra
4. **Attended as MCI inspector** for recognition of DM – Paediatric Cardiology course at Amritha Institute of Medical Sciences, Cochin in July 2014.
5. **Attended as MCI inspector** for recognition of DM – Cardiology course at Nair Hospital, Mumbai in August 2014.

6. **Examiner for DM cardiology** at Sri Jayadeva Cardiovascular Sciences & research, Bangalore in December 2014; SRMC, Chennai in July 2014; Vydehi Medical College, Bangalore in July 2014 and SCTIMST, Thiruvananthapuram in December 2014.
7. **Contributed to DM Cardiology** Entrance test for JIPMER, Pondicherry.
8. **Advisory Board Member** for Indian Heart Journal for 2014.
9. **Editorial Board Member** for Journal of Clinical and Scientific Research, SVIMS, Tirupati.
10. **World Heart Day Celebrations:** Patient awareness program was conducted on the occasion of the World Heart Day celebrations on 29<sup>th</sup> September, 2014 at OPD block; Dr V. Vanajakshamma, Professor of Cardiology gave message to the patients on the occasion.

### **Visitors to the Department**

The following Cardiologists visited the Department during the year 2014

1. Dr Yogesh Kothari, Apollo Hospitals, Bangalore.
2. Prof. Jagan Mohan A Tharakan, Director, Professor of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram.
3. Dr Suryaprakasa Rao from Hyderabad.
4. Dr Sarat Chandra from Hyderabad.
5. Dr Heugh from Bachnas.
6. Dr Bhavesh Kumar Mahendra Bhai Thakkar from Ahmadabad.
7. Dr Basil (Vasileios) D. Thanapouly from Greece.
8. Dr I.B. Vijayalakshmi from Sri Jayadeva Institute of Cardiac Research, Bangalore.



## 7.0 DEPARTMENT OF CARDIOTHORACIC SURGERY

### Professor & Head

Dr Abha Chandra

### Faculty

Dr K. Sudhakara Rao  
Dr H.C. Chandramouli  
Dr Vinod Bhan  
Dr G. Murali Hareesh  
Dr Kalyani Rama Dasari

### MCh PG Senior Residents

Dr N. Ashok  
Dr Naga Durga Prasad  
Dr Harivadan Lukka  
Dr P. Harikrishna Murthy

### 7.1 Awards, achievements and felicitations

**Prof. Abha Chandra**, Professor and Head, Department of Cardiothoracic Surgery, awarded the "*Godrej Karai Oration*" by the Indian Association of Cardiovascular and Thoracic Surgeons which shall be delivered at the 61<sup>st</sup> Annual Conference of Indian Association of Cardiovascular and Thoracic Surgeon at Hyderabad during 19-22 February 2015

### 7.2 Fellowships

#### National

**Prof. Abha Chandra**, Professor and Head, was conferred the "*Fellow of Vascular Society of India (FVSI)*" at the 21<sup>st</sup> Annual Conference of the Vascular Society of India, Bhubhaneswar on 16<sup>th</sup> October 2014.

### 7.3 Research Projects

#### Ongoing Research projects

1. **Principal Investigator:** Dr Abha Chandra,  
**Title:** Morphogenic protein expression of the calcific mitral stenotic valve in patients with rheumatic heart disease. submitted for publication.
2. **Principal Investigator:** Dr Abha Chandra,  
**Title:** Clinico-pathological correlation in adolescent and adult patients undergoing surgical closure of atrial septal defect and its influence of the hemodynamic outcome. Editing of the final version, to be submitted.

### 7.4 Research work

#### Thesis work

#### Theses submitted

1. Raghavendra KH. Left atrial size reduction: Echocardiographic study (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Ashok N. Is it so much beneficial to repair moderate Tricuspid Regurgitation concomitantly in chronic Rheumatic left heart valvular disease? A Prospective Randomized study (MCh Thesis)
2. Naga Durgaprasad V. Effect of Mitral valve replacement with and without Chordal Preservation on Cardiac Function. Early and midterm results (MCh Thesis).
3. Harivadan Lukka. Comparison of hemodynamic performance of open pivot versus closed pivot mechanical mitral valves – a prospective non randomized study (MCh Thesis).
4. Harikrishna Murthy. Persistence of left ventricular hypertrophy and left atrial dilatation after aortic valve replacement affect early outcomes and survival (MCh Thesis)

### Thesis work carried out in collaboration with other departments

**Dr Abha Chandra**, was *Co-guide* for the following theses

1. Senthil Kumar K. A study of early mobilization of the patients undergoing coronary artery bypass grafting (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. BhagyaLakshmi M. A study to assess the Neuro Psychological status, Cognitive performance and Coping style among the patients undergoing Coronary Artery Bypass Graft Surgery (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Shanti C. 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(PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 7.5 Conferences and workshop, Lectures delivered and Sessions chaired

**Prof. Abha Chandra**, attended the following

#### International

1. 28<sup>th</sup> European Association of Cardiothoracic Surgeon (EACTS) Annual Meeting including techno-college and Postgraduate course at Milan, Italy between October 11 - 15, 2014.

#### National

1. Ahmedabad Aortic Conclave (AAC): Cardiovascular Thoracic Surgery (CVTS) Track in association with Gujrat Cardiothoracic Surgeons Club at CIMS hospital, Ahmedabad during 11-12 January 2014. **Live workshop** was conducted and Prof. Meong Gun Song, Dr. Song's Cardiothoracic Surgery Clinic, Konkuk University Medical Centre Korea performed the aortic valve repair for aortic valve disease.

2. 60<sup>th</sup> Annual Meeting of the Indian Association of Cardiovascular and Thoracic Surgeons (IACTSCON 2014) at Kovalam, Trivandrum, Kerala during from 20-23 February 2014 and delivered the research work on "Morphogenic protein expression of the calcific mitral stenotic valve in patients with rheumatic heart disease" on 22<sup>nd</sup> February 2015 and Chaired Sessions on "Surgical Management of TYPE A Aortic Dissection and Redo Aortic Surgery".
3. 1<sup>st</sup> foundation day workshop Silver jubilee celebrations with a **workshop on mitral valve repair** at Department of Cardiovascular and Thoracic Surgery, Sanjay Gandhi postgraduate Institute of Medical Sciences, Lucknow during 22-23 March 2014 and Chaired "Management of Aortic dissecting Aneurysm".
4. Update on heart failure – 2014 and hands on experience with LVAD and ECMO, Yashoda Hospitals Secunderabad during 19-20 April 2014.
5. Techno-college IACTS CT CME held at the Mission Hospital Durgapur, West Bengal during 2-3 May 2014.
6. Pace Program: VATS Centre for Chest surgery and lung transplantation, Sir Ganga Ram Hospitals, New Delhi during 10-11 May 2014.
7. Live Surgical workshop on Reparative techniques of heart valves : Asia Pacific Valve repair group 2014 at Bangaluru, Karnataka during 31<sup>st</sup> May - 1<sup>st</sup> June 2014.
8. Live workshop on "Minimal invasive cardiac surgery (CABG and valve)" at CARE Hospitals, Visakhapatnam held on 12<sup>th</sup> July 2014.
9. National Faculty attended the 2<sup>nd</sup> Postgraduate workshop in cardiac surgery : GKNM hospitals, Coimbatore, Tamil Nadu during 25-26 July 2014

10. Organizing Chairperson conducted and participated at the “Tirupati Thoracoscopy workshop 2014 -Medical thoracoscopy and VATS Hand- on wetlab” at SVIMS Tirupati on 23<sup>rd</sup> August 2014.
  11. 21<sup>st</sup> Annual national conference of Indian College of Cardiology ICCCON 2014, Tirupati, Andhra Pradesh during 19 -21 September 2014 and Chaired “Sri Jayadeva surgical oration” titled:”Indian Cardiology, Aspiration and reality” delivered by Prof. M.S. Valiathan.
  12. International College of Surgeons – Indian Section; ICSISCON 2014, Bangalore, Karnataka, during 26-28 September 2014 and delivered a lecture at the Dr. Arthur E Desa Memorial ContinuingSurgical Education Programme on “Thoracic Outlet Compression Syndrome”on 26<sup>th</sup> September 2014 and chaired outstanding award session of the International College of Surgeons – Indian Section ;
  13. 21<sup>st</sup> Annual conference of Vascular Society of India (VSICON 2014) held at Bhubhaneswar, Orissa during 15-18 October 2014 and delivered a lecture on “Surgical Management of Ascending Aortic Aneurysm” on 16<sup>th</sup> October 2014 and chaired on free papers.
  14. 16<sup>th</sup> Annual Live workshop on “Aortic valve repair” at GKNM hospital Coimbatore, Tamil Nadu during 25-26 October 2014.
  15. Heart Failure symposium and Mumbai Cardiology Society of India organized by D Y Patil School of Medicine, Navi Mumbai during 22-23 November 2014.2014 chaired guidelines for myocardial revascularisation and Arterial vascularisation newer avenues at the Heart Failure symposium and Mumbai Cardiology Society of India organized by D Y Patil School of Medicine, Navi Mumbai during 22–23 November 2014.
  16. Attended as faculty in the One day workshop: Hands on Video Assisted Thoracoscopy, GSL Medical College Rajahmundry on 20<sup>th</sup> December 2014.
  17. Attended the 74<sup>th</sup> Annual Conference of the Association of Surgeons of India, Hyderabad Talangana, during 26-30 December 2014 and delivered a lecture on “Operative: Direct Vascular Surgery and Topical hemostats” on 27<sup>th</sup> December2014 chaired Sessions on Vascular issues on “Thoraco- abdominal Aortic aneurysm – Challenges” and “Venoplasty where do we stand today” on 28<sup>th</sup> December 2014.and also chaired Sectional Programme of IATCVS: Session I on invited lectures on “VAT management of Thoracic conditions” and “Pain management in thoracic trauma” on 29<sup>th</sup> December 2014.
- Prof. P. Rajagopal**, attended the following
- National**
1. Tirupati Thoracoscopy workshop 2014 - Medical thoracoscopy and VATS Hand- on wetlab at SVIMS Tirupati on 23<sup>rd</sup> August 2014.
  2. 21<sup>st</sup> Annual National Conference of Indian College of Cardiology, ICCCON 2014 held at Tirupati during 19-21 September 2014.
  3. CME and interactive session on “Peripheral Arterial Occlusive Disease and Grafts and conduits available in vascular armentarium conducted by Department of Cardiovascular Thoracic Surgery, SVIMS, Tirupati on 22<sup>nd</sup> September 2014.
- Prof. K Sudhakar Rao**, attended the following
- National**
1. Live workshop on “Minimal Invasive Cardiac Surgery (CABG and valve)” held at CARE Hospitals, Visakhapatnam on 12<sup>th</sup> July 2014.
  2. Tirupati Thoracoscopy workshop 2014- Medical thoracoscopy and VATS Hand-on wetlab at SVIMS Tirupati on 23<sup>rd</sup> August 2014.



3. 21<sup>st</sup> Annual National Conference of Indian College of Cardiology, ICCCON 2014 held at Tirupati during 19-21 September 2014.
4. CME and interactive session on “Peripheral Arterial Occlusive Disease and Grafts and conduits available in vascular armentarium conducted by Department of Cardiovascular Thoracic Surgery, SVIMS, Tirupati on 22<sup>nd</sup> September 2014.
5. Workshop on RF Ablation for AF at mitral valve replacement organised by the Department of Cardiovascular and Thoracic surgery, SVIMS Tirupati on 16-17 December 2014.

### **Postgraduates**

1. Dr. Vinod Bhan, Dr G. Murali Hareesh, Dr K H Raghavendra, Dr N Ashok, Dr Harivadan Lukka, Dr Durga Prasad, Dr Hari Krishna Murthy P, Dr. D Kalyanirama attended the 60<sup>th</sup> Annual meeting of The Indian Association of Cardiovascular & Thoracic Surgery, IACTS CON 2014 held at Thiruananthpuram during 20-23 February 2014.
2. Dr. Vinod Bhan, Dr G. Murali Hareesh, Dr K H Raghavendra, Dr N Ashok, Dr Harivadan Lukka, Dr Durga Prasad, Dr Hari Krishna Murthy P, Dr. D Kalyanirama attended the Tirupati Thoracoscopy workshop 2014 - Medical thoracoscopy and VATS Hand- on wetlab at SVIMS Tirupati on 23<sup>rd</sup> August 2014.
3. Dr. Vinod Bhan, Dr G. Murali Hareesh, Dr K H Raghavendra, Dr N Ashok, Dr Harivadan Lukka, Dr Durga Prasad, Dr Hari Krishna Murthy P, Dr. D Kalyanirama attended the 21<sup>st</sup> Annual National Conference of Indian College of Cardiology, ICCCON 2014 held at Tirupati during 19-21 September 2014.
4. Dr. Vinod Bhan, Dr G. Murali Hareesh, Dr K H Raghavendra, Dr N Ashok, Dr Harivadan Lukka, Dr Durga Prasad, Dr Hari Krishna Murthy P, Dr. D Kalyanirama attended a Workshop on RF Ablation for AF at mitral

valve replacement organised by the Department of Cardiovascular and Thoracic surgery, SVIMS Tirupati during 16-17 December 2014.

5. Dr. Vinod Bhan, Dr G. Murali Hareesh, Dr K H Raghavendra, Dr N Ashok, Dr Harivadan Lukka, Dr Durga Prasad, Dr Hari Krishna Murthy P, Dr. D Kalyanirama attended a CME and interactive session on “Peripheral Arterial Occlusive Disease and Grafts and conduits available in vascular armentarium conducted by Department of Cardiovascular Thoracic Surgery, SVIMS, Tirupati on 22<sup>nd</sup> September 2014.

### **Dr. Vinod Bhan**

1. Presented a paper on presented paper on “Single Dose Aminoacid Enriched Crystalloid Cardioplegia-Our Experience of 100 cases” on 22<sup>nd</sup> February 2014.
2. Live workshop on “Minimal invasive cardiac surgery (CABG and valve)” held at CARE Hospitals, Visakhapatnam on 12<sup>th</sup> July 2014.

**Dr G.Murali Hareesh**, attended CME on “Rational use of blood” conducted by the Department of Transfusion Medicine” SVIMS Tirupati on 26<sup>th</sup> August 2014”

### **7.6 Presentations by Postgraduate students**

#### **International**

1. **Dr Harivadan Lukka**, presented a paper on “Unusual presentation of Dengue fever with necrotising pancreatitis as complication” under young investigator award category at the “International Digestive forum 2014” held at Hongkong during 6-7 June 2014.

#### **National**

60<sup>th</sup> Annual Meeting of the Indian Association of Cardiovascular and Thoracic Surgeons (IACTSCON 2014) at Kovalam, Trivandrum, Kerala during 20-23 February 2014.

1. Dr N. Ashok, presented the E Poster titled “Intrathoracic rupture of hepatic Hydatidosis – A Case Report”.
2. Dr. Harivadan Lukka presented the E poster titled “Post Tracheostomy Tracheal Stenosis – a case report”.at the.

### 7.7 Publications

1. Harikrishna J, Raga Deepthi B, Arun Raja V, Suneetha P Chowhan AK, Vijaya Lakshmi Devi B, Abha Chandra, Mohan A. Horner’s syndrome due to Pancoast tumour. J Clin Sci Res 2014;3:150-2.
2. Vinod Bhan, Hanumantha Raya Raghavendra K, Madhusudan M, Sudhakar Rao K. Mixed germ cell tumour of mediastinum—an unusual Presentation. Indian J Thorac Cardiovasc Surg 2014;30:286-8.
3. Akkulagari Vamsidhar, Durgaprasad Rajasekhar, Velam Vanajakshamma, Devarakonda Sarath Babu, Kanchumarthi Sudhakar Rao, Bhan Vinod. Multiple ruptures of left sinus of Valsalva aneurysm into main pulmonary artery. Case Report. DOI: 10.1177/ 0218492314540290. Asian Cardiovascular and Thoracic Annals published online 17 June 2014.

### 7.8 CMEs / Seminars / Workshop / Orations conducted by the department

1. “Tirupati Thoracoscopy workshop 2014 - Medical thoracoscopy and VATS Hand- on wetlab” on 23. August 2014, at SVIMS Tirupati. The course Director was *Dr. Sai Yendamuri*, from Citizen Hospitals, Hyderabad. Faculty were *Dr VijayKumar*, Interventional Pulmonologist, Citizens Hospital, Hyderabad and *Dr Alladi Mohan*, Professor and Head, Department of Medicine, SVIMS, Tirupati.
2. Peripheral arterial disease: CME and interactive session on “Peripheral Arterial Occlusive Disease and Grafts and conduits available in vascular armamentarium” conducted by Department of CT Surgery, SVIMS, Tirupati on 22<sup>nd</sup> September 2014 and

Prof. Abha Chandra delivered lectures on :”Peripheral Arterial occlusive Disease of the lower limb” and “Vascular grafts and conduits used as arterial substitutes”

3. Workshop on Radio Frequency Ablation for AF at mitral valve replacement during 16-17 December.2014 organised by the Department of Cardiovascular and Thoracic surgery, SVIMS Tirupati. The workshop was guided by Ms. Pia Gremmel, senior Educational Manager from Medtronic – Western Europe & Canada. She delivered a lecture on “AF & the Surgical Approach for the treatment of AF” on 16<sup>th</sup> December 2014.

### First Time in the Department

1. The procedure of Radiofrequency ablation was for the first time performed in the Department of Cardiovascular and Thoracic Surgery, Sri Venkateswara Institute of Medical Sciences, Tirupati, A.P. by Prof. Abha Chandra on a Patient Mrs. Doramma, 60 years / F (SVIMS hosp. No. 437424) who had been a patient of Chronic rheumatic heart disease with severe mitral stenosis and regurgitation with severe tricuspid regurgitation and in atrial fibrillation. This patient underwent modified mitral valve replacement along with tricuspid valve repair, LA reduction and Radiofrequency ablation both sides. Her preoperative HR was 136 to 142 irregular and after RF ablation the heart rate settled to 80 to 84 per minute.

### 7.9 Other Academic Activities

#### Prof. Abha Chandra

1. Executive member of the Indian Association of Cardiovascular and Thoracic Surgery.
2. Vice President of the ATCVS section of the Association of Surgeons of India.
3. Executive member of the Vascular Society of India
4. National Faculty for Postgraduate course :GKNM hospitals, Coimbatore, Tamil Nadu during 25-26 July 2014

5. National Faculty for Vascular Society of India.
6. MCh (CVTS) Examiner at various Indian Universities.

**Dr. Vinod Bhan**

1. Examiner for Rajasthan University of Health Sciences, Jaipur for year 2014.

**Mr Madhusudan Naidu**

1. Elected as Organizing President for Annual Conference of Indian Society of extracorporeal technology (ISECT CON 2015) to be held at Hyderabad during 19-22 February 2015.



## 8.0 DEPARTMENT OF COMMUNITY MEDICINE

### Associate Professor & Head

Dr N Khadervalli

### Faculty

Dr D.S. Sujith Kumar

Dr Lalith Meesala

Dr N Sulochana

K. Bharkavi Priya

### 8.1 Research projects

#### Ongoing Research projects

#### Dr Sujith Kumar D S.

1. Study of Effects of anaemia on pregnancy outcome in field Practice area of Urban Health Centre in Tirupati town (Self funding).

#### Thesis work carried out in collaboration with other Departments

1. Developed Questionnaire in Telugu format of Kidney Disease Quality of Life (KDQOL 36) under the guidance of Dr V. Siva Kumar, Professor & HoD, Department of Nephrology.

### 8.2 Conferences attended

1. Dr N Khadervalli attended the 58<sup>th</sup> Annual National Conference of Indian Public Health Association held at Sri Venkateswara Medical College, Tirupati, Andhra Pradesh during 22–24 January 2014

### 8.3 Publications

1. Khadervalli N, Bhagavathula Akshaya Srikanth, Raziya Dudekula, R, Kuldeep S. Comparative study of health status among slum and non-slumelderly population in kadapa region, South India. J Evol Med Dent Sci 2014;3:1298-307.
2. Kumar DSS, Balakrishna C, Kumar KJK, Chandrashekar K. Study of iron folic acid supplementation program in the field practice area of RIMS medical college, Kadapa. J Med Sci Tech 2014;3:13-8.

3. Sujith Kumar DS. Analysis of Road Traffic Accidents in Kurnool City. Int J Med Health Sci 2014;3:35-9.

4. Lalith M, Shyam Sunder J. To Study the Awareness of Health Care Personnel Involved in Biomedical Waste Management in New Government General Hospital at Vijayawada, Andhra Pradesh. J Evol Med Dent Sci 2014;3:2492-6.

5. Syam Sundar J, Lalith M. A Comparative Study of Prevalence of Tobacco use among Urban Population of Harzpena and Rural Population of Patancheru, Hyderabad. J Evol Med Dent Sci 2014;3:5021-9.

### 8.4 CME attended

**Dr D S Sujith Kumar**, attended the following CMEs organised by SVIMS, Tirupati

1. Basic teachers training course conducted by medical education technology unit of Sri Venkateswara Institute of Medical Sciences Sri Padmavathi Medical College for Women held on
2. CME on metabolic syndrome conducted by Dept. of Endocrinology and Biochemistry held on 26<sup>th</sup> April 2014
3. CME on Rational Use of Blood organized by Department of Immuno Hematology and Blood Transfusion on 11<sup>th</sup> October 2014
4. CME on CNS infections conducted by Departments of Microbiology and Pathology held on 26<sup>th</sup> October, 2014.

### **8.5 Other academic activities**

1. The Govt. of Andhra Pradesh had permitted to use Mangalam, Vadamalpet and Kuppambadur Primary Health Centres in Chittoor district for training and teaching of MBBS students of Sri Padmavathi Medical College for Women as per MCI norms under the supervision of Community Medicine Department.
2. Mangalam Primary Health Centre is earmarked to be upgraded into Rural Health Training Centre with full complement of infrastructure, staff and equipment for the Medical College for training and teaching of MBBS students.
3. As per Memorandum of Understanding between Chief Medical Officer, Central Hospital, TTD and Sri Padmavathi Medical College for Women, Central Hospital, TTD, Tirupati and Sri Padmavathi Ammavari temple Dispensary, Tiruchanoor are permitted for training and teaching of MBBS students of the Medical College.
4. Training in Humanities and Community Medicine for the first batch of MBBS students of the Medical College was commenced from September 2014.

## 9.0 DEPARTMENT OF DENTAL SURGERY

### Assistant Professor & Head

Dr P. Vani Priya

### Faculty

Dr A. Surekha

#### 9.1 Conferences attended

Dr P.Vani Priya, has attended 39<sup>th</sup> National conference of Association of Oral and Maxillo facial surgeons (AOMSI) held at Goa during 14-16 November 2014.

#### 9.2 CME attended

**Dr P.Vani Priya**, attended the following CMEs organised by SVIMS, Tirupati

1. A CME on Metabolic Syndrome was conducted on 26<sup>th</sup> April, 2014 by the department of Biochemistry in collaboration with the Endocrinology department.
2. A CME on Rational use of Blood Components was conducted on 11<sup>th</sup> October, 2014 by the department of Immuno Haematology & Blood Transfusion Medicine.
3. A CME on 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy Of Tropical Parasitology was conducted on 9<sup>th</sup> Decembers, 2014 by the department of Microbiology.

4. A CME on “Clinical diagnosis of Virological disease with special reference to Ebola viruses” conducted by the department of Biotechnology and Bioinformatics.

#### 9.3 Other academic activities

1. The Dental department Sri Padmavathi Medical College for Women is started in April 2014, the regular OPD has been started from June 2014.
2. We are attending cases from other departments of SVIMS especially surgical oncology, Neurology, Nephrology, ENT, General surgery. Some of the cases are also referred for second opinion to ENT.
3. We are performing minor oral surgical procedures like extractions, alveoplasty, surgical extractions, draining of space infections, treating osteomyelitis, scaling, minor maxilla-facial trauma cases etc.



## 10.0 DEPARTMENT OF EMERGENCY MEDICINE

### Professor & Head

Dr V. Satyanarayana

### Faculty

Dr A. Krishna Simha Reddy  
Dr P. Siva Shankar  
Dr K. Munaswamy  
Dr M. Bharathi  
Dr K. Jagadeesh  
Dr Joshua E Paul  
Dr Suneetha Nirmala Kumari

### MD PG Junior Residents

Dr Siva Rama Krishna Battula  
Dr Venkatesh Satri

### Junior Residents

Dr B. Krishnaveni  
Dr A. Lakshmi Sutha  
Dr M. Madhavi Prathyusha  
Dr A. Sandhya Yadav

### 10.1 Awards, achievements and felicitations

1. **Dr Krishna S. Reddy**, Assistant Professor, Department of Emergency Medicine was received the “A retrograde nasal intubation in a patient with difficult airway”. 30<sup>th</sup> Annual South zone Indian Society of Anaesthesiologists at Visakhapatnam during 22-24 August 2014.

### Presentations by Post graduates

2. **Dr Venkatesh Satri** Presented poster presentation on “Difficult intubation due to tuberculous fibrosis” at BAPU 2014, SVIMS University, Tirupati during 7-8 November 2014.
3. **Dr Sivarama Krishna** Presented poster presentation on “Management of polytrauma victim with splenic laceration resulting in Haemo peritoneum” at BAPU-2014, SVIMS University, Tirupati during 7-8 November 2014.

### 10.2 Publications

#### Review article

1. Rao MH, Muralidhar A, Reddy AKS. Acute respiratory distress syndrome. J Clin Sci Res 2014;3:114-34.

#### Original article

1. Madhusudan M, Rao MH, Reddy AKS, Kadiyala V, Samantaray A, Hemanth N, Charupalli K. Comparison of intubating conditions and haemodynamic responses during rapid tracheal intubation using either suxamethonium or rocuronium with ephedrine pretreatment. J Clin Sci Res 2014;3:174-80.

## 11.0 DEPARTMENT OF ENDOCRINOLOGY

### Professor & Head

Dr Alok Sachan

### Faculty

Dr V. Suresh

Dr M. Arun

Dr A. Sailaja

### DM PG Senior Residents

Dr Ch. Srinivasa Rao

Dr S. Sangeetha

Dr V. Ashok

Dr P. Shalini

Dr B. Bharath

Dr G. Praveen Kumar

### 11.1 Awards

1. Dr M. Arun, Postgraduate in Endocrinology was adjudged runner-up in “Dr Subhashini and Dr Kamalakar Reddy Endowment Endocrinology Quiz” on 10<sup>th</sup> February 2014.
2. Dr M. Arun, Postgraduate in Endocrinology was awarded **First prize** in quiz conducted at BDA Update on Diabetes at Tirupati on 24<sup>th</sup> August 2014.
3. Dr M. Arun, Postgraduate in Endocrinology was awarded Dr G.Subramanyam and Dr Sunita Subramanyam medal for standing first among the DM courses.
4. Shalini P, Postgraduate in Endocrinology was awarded “**Second prize**” in quiz conducted at BDA Update on Diabetes at Tirupati on 24<sup>th</sup> August 2014.
5. Shalini P, Postgraduate in Endocrinology was awarded **First prize** for poster presentation at 44<sup>th</sup> Annual Conference of the Endocrine Society of India, ESICON-2014.

### 11.2 Research Projects

#### Research projects completed in 2014

1. **Principal Investigator:** Dr V. Suresh, **Title:** “Effect of acute severe illness on the Hypothalamo Pituitary-Gonadal axis in postmenopausal women” from March 2012-February 2014. **Funding Agency:** Indian Council of Medical Research

### Ongoing research projects

1. **Principal Investigator:** Alok Sachan, **Title:** Pancreatic islet antibodies in adults (latent autoimmune diabetes in adults) and youth with type 2 diabetes mellitus: prevalence, clinical, immunological and genetic studies. Multicentric study, Funding agency: Indian Council of Medical Research, grant Rs 4,20,000, duration 3 years (1.12.2013–30.11.2016), No:5/3/8/100/2011-RCH.

### 11.3 Research work

#### Thesis work

#### Thesis submitted

1. Arun M. Prevalence of islet cell autoimmunity in patients with type 2 diabetes mellitus (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Sailaja A. Effects of thyroid hormone replacement on glycated hemoglobin levels in non diabetic subjects with overt hypothyroidism (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Neelima Raj. Effects of acute severe illness on hypothalamic pituitary gonadal axis in postmenopausal women (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### Ongoing thesis work

1. Srinivasa Rao Ch. Hypothalamic pituitary insufficiency in patients with central nervous system infections(DM Thesis).
2. Sangeetha S. Body composition, blood glucose and insulin resistance in hypothyroidism before and after restoration of hypothyroidism(DM Thesis).
3. Ashok V. Organ specific autoimmunity in type 1 diabetes mellitus(DM Thesis).
4. Shalini P. Relationship between hyperprolactinemia and adrenal hyperandrogenism in PCOS (DM Thesis).
5. Bharath B. Gonadal axis in hypothyroid women before and after thyroxine supplementation (DM Thesis).
6. Praveen G. Vascular and neurological impairment in patients with type 2 diabetes and foot ulcer(DM Thesis).
7. Sravani C. Vitamin D receptor polymorphisms in subjects with Vitamin D deficiency (PhD Thesis).

### Thesis work done in collaboration with other departments

#### Thesis submitted

**Alok Sachan** was the Co-guide for the following thesis

1. Rajasekhar SVR. Value of HBME-1, cytokeratin-19 and galectin-3 immuno staining in the diagnosis of thyroid neoplasms (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis

1. Pallavi M. Association between non alcoholic fatty liver disease and type 2 diabetes mellitus-Role of adipokines and endotoxins (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 11.4 Conferences attended /lectures delivered / presentation

**Dr Alok Sachan**, attended the following

1. Chaired Meet the Professor session for ‘Bone and calcium cases’ at International ClinicaUpdate in Endocrinology (ICU Endo), Hyderabad during 1-2 February 2014.
2. Spoke on ‘Statistics’ in monthly CME, Indian Society of Anaesthesiologists, Tirupati chapter on 25<sup>th</sup>February 2014.
3. Spoke on ‘Management of Thyroid Disorders’ in CME, Indian Medical Association, Tirupati chapter on 15<sup>th</sup>June 2014.
4. Spoke on ‘Glycemic variability’ in the ‘Controversies on Obesity, Diabetes and Endocrinology’ at Hyderabad during 28 – 29July 2014.
5. Debate on ‘Pre-operative use of Somatostatin analogues in Acromegaly’ spoke against the motion in the ‘First Endocrine Tumor Summit’ at Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow on 30<sup>th</sup>August 2014.
6. Spoke on ‘Type 1 diabetes mellitus’ in CME, Department of Pediatrics, SVIMS, Tirupati on 7<sup>th</sup> September 2014.
7. Chaired a session on ‘Steroid in Tuberculosis’ in Indian Association of Clinical Medicine (IACMCON 2014), at Agra during 10-12 October 2014.
8. Chaired a session on “Recent trends in Physiotherapy” at National Physiotherapy Conference,SVIMS, Tirupati during 19-20 December 2014

**Dr V. Suresh**, attended the following

1. Debate on “DPP IV inhibitors vs. SGLT<sub>2</sub> inhibitors” (favouring DPP IV inhibitors) at Controversies to Consensus in Obesity, Diabetes & Endocrinology (CODE) 8<sup>th</sup> Edition- 2014, Hyderabad (A Harvard Medical School Accredited Program) on 26<sup>th</sup>July 2014.



2. A guest lecture on “Recent Advances in the Management of Diabetes” at Satish Dhawan Space Centre, SHAR, Sriharikota on 22<sup>nd</sup> August 2014.
3. Chaired a session on “Management of treatment failure in Diabetes” at Balaji Update on Diabetes (BUD) 2014, the 2<sup>nd</sup> Annual Conference of the Balaji Diabetes Association, Tirupati (Accredited by the Andhra Pradesh Medical Council) on 24<sup>th</sup> August 2014.
4. Spoke on “Tyrosine Kinase Inhibitors in Thyroid Cancer” at National Endocrine Congress (ESICON 2014), Postgraduate Institute of Medical Education and Research, Chandigarh on 11<sup>th</sup> November 2014.
5. Chaired a session on “Recent trends in Physiotherapy” at National Physiotherapy Conference, SVIMS, Tirupati during 19-20 December 2014.

### 11.5 Presentations by Postgraduate students

44<sup>th</sup> Annual Conference of the Endocrine Society of India, ESICON 2014.

1. **Srinivasa Rao Ch**, presented poster on “Emphysematous Pyelonephritis in Type 2 diabetes mellitus - a single centre experience”.
2. **Sangeetha S**, presented poster on “Acid base and electrolyte disturbances in diabetic ketoacidosis”.
3. **Ashok V**, presented poster on “Utility of intra operative PTH estimation - an illustrative case”.
4. **Shalini P**, presented poster on “Persistent Mullerian duct syndrome. A case report”.

### 11.6 Publications

1. Sachan A, Zaidi G, Sahu RP, Agrawal S, Colman PG, Bhatia E. Low prevalence of latent autoimmune diabetes in adults in northern India. *Diabet Med* 2014; Nov 29. doi:10.1111/dme.12644. (Epub ahead of print)
2. Chowhan AK, Sreedhar Babu KV, Sachan A, Rukmangdha N, Patnayak R, Radhika K, Phaneendra BV, Reddy MK. Should We Apply

Suction During Fine Needle Cytology of Thyroid Lesions? A Prospective Study of 200 Cases. *J Clin Diag Res* 2014;8:19-22.

3. Siddhartha Kumar B, Sivaram Naik G, Mohan A, Prabath Kumar D, Suresh V, Sarma KVS, Srinivasa Rao PVLN, Katyarmal DT. Prevalence of thyroid disorders and metabolic syndrome in adult patients with rheumatoid arthritis. *J Clin Sci Res* 2014; 3:97-105.
4. Potham SK, Vaikkakara S, Sachan A, Srinivasa Rao PVLN, Kalawat TC, Ravi P, Sunil E, Rajitha D, Arun M, Sailaja A. Vitamin B12 levels are not affected by radioiodine ablation of the thyroid. *Endocr Regul*, 2014;48:77-85.

### 11.7 Orations conducted

1. Dr Subhashini and Dr Kamalakar Reddy Endowment Oration, 2014 was conducted in March 2014 and presented to Orator Prof. M.S. Seshadri, Prof (Retd) and Head, Dept of Endocrinology, CMC Vellore, for his excellent work in the field of Endocrinology.

### 11.8 Other academic activities

**Dr V. Suresh**, attended as

1. Examiner for Diplomate of the National Board in Endocrinology-Practical Examinations National Board of Examinations, New Delhi at Christian Medical College, Vellore on 14<sup>th</sup> April 2014.
2. External Examiner for DM Endocrinology, NTR University of Health Sciences, Vijayawada held on July 23, 2014. Dr Subhashini and Dr Kamalakar Reddy quiz for postgraduates in Endocrinology was conducted in the year 2014. Students pursuing DM in Endocrinology from the state of Andhra Pradesh participated in it. CME on “Metabolic Syndrome” was conducted in Department of Endocrinology in collaboration with Department of Biochemistry on April 26, 2014. Speakers – Dr P. Amaresh Reddy & Dr G. Rajagopal

## 12.0 DEPARTMENT OF FORENSIC MEDICINE

### Assistant Professor & Head

Dr Kongani Jyothi Prasad

### Junior Resident

Dr M. Sumanth Kumar

#### 12.1 Conferences

**Dr Kongani Jyothi Prasad**, attended the following

1. 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India, AMBICON 2014 on “Evolution of clinical chemistry laboratory” at Tirupati on 14<sup>th</sup> November 2014.
2. 11<sup>th</sup> Annual National Conference of the South India Medico legal Association at PSG Institute of Medical Sciences and Research, Coimbatore during 12-14 September 2014.
2. A CME on Rational use of Blood Components conducted on 11<sup>th</sup> October, 2014 at SVIMS by the department of Immuno Haematology & Blood Transfusion Medicine.
3. A CME on 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy of Tropical Parasitology conducted on 9<sup>th</sup> Decembers, 2014 at SVIMS by the department of Microbiology.
4. Dr.NTR University of Health Sciences sponsored Zonal CMEs conducted by department of Forensic Medicine, SV Medical College, Tirupati

#### 12.2 CME

**Dr Kongani Jyothi Prasad**, attended the following

1. A CME on Metabolic Syndrome conducted on 26<sup>th</sup> April, 2014 at SVIMS by the Biochemistry department in collaboration with the endocrinology department.

#### 12.3 Other academic activities

The Department of Forensic Medicine under Sri Padmavathi Medical College for women was started from 4<sup>th</sup> April, 2014 with the faculty of one Assistant Professor and one Tutor. We are in the process of establishing the department in the upcoming college building

## 13.0 DEPARTMENT OF GENERAL SURGERY

### Professor & Head

Dr Y. Mutheeswaraiah

#### Faculty

Dr P.V. Rama Subba Reddy

Dr S. Nagesh Kumar

Dr G.S.R. Hareesh

#### Senior Residents

Dr A.B. Naveen Kumar

Dr Surya Teja

Dr C. Archana

Dr Satish reddy

#### Junior Residents

Dr N. Venkata Naga Praneeth

Dr P. Lokesh

Dr Nawaz Majeed

Dr B. Venugopal

Dr Hema Bhushan Reddy

Dr Prasanna Lakshmi K

Dr P. Venkatesh

Dr V. Vijaya Krishna

Dr M. Pavan Kumar

### 13.1 Research work

#### Thesis submitted

#### Thesis work carried out in collaboration with other departments

**Dr Y. Mutheeswaraiah**, was *Co-guide* for the following thesis

1. Supraja C. MRI in the diagnosis and pre – operative classification of perianal and anal (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Rajasekhar. Value of cytokeratin – 19, HBME – 1 & Galectin – 3 immunostaining in the diagnosis of thyroid neoplasms (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Swathi. Utility of serum total prostate antigen and free prostate specific antigen measurements in combination with serum CA 15-3 and serum CEA in breasts tumors (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 13.2 Conferences attended

**Dr Mutheeswaraiah**, attended the following

1. Conference attended KSC –ASICON at Manipal (Mangalore, Karnataka) during 14-16 February 2014.
2. 11<sup>th</sup> annual conference of IHBPA, Hepatobiliary pancreatic at Mumbai during 9-11 January 2014.
3. APASICON (State ASI conference) at Kurnool during 13<sup>th</sup> September - 13<sup>th</sup> October 2014.
4. IAESCON (Endocrine surgery conference ) at Trivendrum during 10-13 October 2014.
5. **Dr P.V. Ramasubba Reddy, Dr S. Nagesh Kumar, Dr N. Praneeth, Dr P. Prathyusha**, attended PSG SURGICON, an update on Colorectal surgery and live workshop at Coimbatore, Tamilnadu during 18-20 July 2014.

### 13.3 Presentations in the conferences:

**Dr Y. Mutheeswaraiah**, Presented a posters for the following



1. Multifocal extra gastro intestinal stromal tumor of pancreas at IHPBA (Indian chapter of international hepato pancreato biliary India2014) at Mumbai during 9-12 January 2014.
2. A Rare case of parathyroid carcinoma in IAESCON (Endocrine surgery conference ) at Trivendrum during 10-13 October 2014.

#### **13.4 Publications**

1. Rajasekhar VRS, Amit Kumar C, Rukmangadha N, Rashmi P, Muthees

waraiah Y, Lakshmi AY. Thyrolipo matosis: An inquisitive rare entity . Gland Surg 2014;3(4): E6-9.

#### **13.5 CMEs/Seminars/Workshops/Orations conducted**

Thoracoscopy workshop – 2014 at SVIMS, Tirupati on 23<sup>rd</sup> August 2014.

## **14.0 DEPARTMENT OF HAEMATOLOGY**

### **Associate Professor & Head**

Dr C.Chandra Sekhar

### **Junior Resident**

Dr M. Sumanth Kumar

### **14.1 Conferences attended, lectures delivered**

Dr C.Chandra Sekhar, attended the National Conference HEMATOCON-2014 held at Hyderabad during 6 - 9 November, 2014

## 15.0 DEPARTMENT OF IMMUNO HAEMATOLOGY & BLOOD TRANSFUSION

### Professor & Head

Dr Sarella Jothibai

### Faculty

Dr K.V. Sreedhara Babu

Dr R. Arun

Dr B.Suresh Babu

### Tutor cum PG Junior Residents

Dr G. Deepthi Krishna

Dr K. Sindhuja

Dr M. Anitha

### 15.1 Awards, Achievements and felicitations

*Certificate of Appreciation* to Blood bank, SVIMS for support and services in the field of HIV/ AIDS during 2013-2014 in Chittoor District on the occasion of World AIDS day on December 1<sup>st</sup> 2014 from Andhra Pradesh State AIDS Control Society (APSACS), Hyderabad.

### 15.2 Research Work

#### Thesis work

#### Theses submitted

1. Suresh Babu B. Prevalence of “unexpected antibodies” in the antenatal women attending the Government Maternity Hospital, Tirupati (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, Tirupati; 2014.
2. Deepthi Krishna G. Prevalence of Principal Rh Blood group Antigens (D,C, E,c and e) in Blood donors at the blood bank of tertiary care teaching hospital i.e, SVIMS, Tirupati, Andhra Pradesh (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, Tirupati; 2014

#### Ongoing Thesis work

1. Sindhuja K. An evaluation of non-infectious adverse transfusion reaction following blood transfusion at a tertiary care teaching hospital i.e SVIMS, Tirupati (MD Thesis).

### 15.3 Conferences attended, lectures delivered

#### National

**Dr K.V. Sreedhar Babu**, attended the following

1. CME in cytopathology organized by Institute of Pathology, Madras Medical College, Chennai on 29<sup>th</sup> March 2014.
2. A Workshop in Medical Education Technology by the Department of Medical Education Technology Unit at SVIMS, SPMC (W), Tirupati on 27<sup>th</sup> July 2014.
3. Training in Molecular Diagnosis using Real Time PCR organized by the Department of Microbiology at SVIMS, Tirupati during 25-27 August 2014.
4. Delivered a guest lecture on ‘HEMOSTASIS’ at Laparoscopic update organized by SVIMS, Tirupati on 20<sup>th</sup> September 2014.
5. Transfusion Medicine CME organized by the Department of Transfusion Medicine, at Sri Padmavathi OPD auditorium, SVIMS-theme “Rational use of Blood / Blood components” on 11<sup>th</sup> October 2014.
6. 55<sup>th</sup> Annual conference of Indian Society of Haematology & Blood Transfusion, HAEMATOCON 2014; held at Ramoji Film City, Hyderabad organized by Society of Haematology & Transfusion Medicine – AP State Chapter conducted during 6-8 November 2014 and Workshop on “Peripheral Blood Stem Cell Harvest &



Cryopreservation” at Hyderabad organized by HAEMATO CON 2014; organized by Society of Haematology & Transfusion Medicine – AP State Chapter on 9<sup>th</sup> November 2014.

7. Pre-Conference CME & 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy of Parasitology, SVIMS, Tirupati organized by the Department of Microbiology during 19 - 20 December 2014.

**Dr R. Arun**, attended the following

1. Delivered a lecture on “Teaching-Learning Tools in Medical Education” at SVIMS, Tirupati on 22<sup>nd</sup> May 2014.
2. Delivered a guest lecture on “ABO discrepancies” at Kasturba Medical College, Manipal on 6<sup>th</sup> June 2014.
3. Visitor observership training in HLA cross matching techniques at the Department of Immuno hematology & Transfusion Medicine, Christian Medical College Hospital, Vellore during 16-21 June 2014.
4. Delivered a guest lecture on “Usage of Blood & Blood components in a rural set up” and on “Blood transfusion administration & monitoring” at Rural Development Trust (RDT) hospital, Anantapur on 23<sup>rd</sup> August 2014.
5. Delivered guest lecture on “Rational use of Blood & Blood components-Transfusion guidelines” at K.S. Hegde Medical Academy, Mangalore on 9<sup>th</sup> August 2014.
6. Moderated panel discussion titled “Towards safe transfusion” at K.S.Hegde Medical Academy, Mangalore on 9<sup>th</sup> August 2014.
7. CME on “Rational use of blood” by the Dept. of Transfusion Medicine, SVIMS, Tirupati on 11<sup>th</sup> October 2014.
8. CME on “CNS infections” by Dept. of Pathology and Dept. of Microbiology, SVIMS, Tirupati on 26<sup>th</sup> October 2014.

9. CME on “Pediatric Tumors and BMT” by Dept. of Medical Oncology, SVIMS, Tirupati on 1<sup>st</sup> November 2014.

10. Pre-conference workshop on Coagulation testing in Transfusion Medicine at TRANSMEDCON 2014 – National Conference of Indian Society of Transfusion Medicine at Ahmedabad on 13<sup>th</sup> November 2014.

11. Presented a poster on “An unusual naturally occurring clinically significant anti-N in a renal cell carcinoma patient-a case report” at TRANSMEDCON 2014 – National Conference of Indian Society of Transfusion Medicine at Ahmedabad during 14-16 November 2014.

#### 15.4 Conferences attended and presentations made by Residents

ISTM 3<sup>rd</sup> National Conference, Ahmedabad on 15<sup>th</sup> November 2014

1. **Dr B. Suresh Babu**, attended and presented a oral paper on “Prevalence of unexpected antibodies in antenatal women attending government maternity hospital, Tirupati” and a poster on “Analysis of reasons for discard of whole blood and its components in a tertiary care teaching hospital blood bank in southern India”.
2. **Dr G. Deepthi Krishna**, attended and presented a poster on “Autoimmune hemolytic anemia complicating viral B hepatitis a case report”.
3. **Dr K. Sindhuja**, attended and presented poster on “A study to assess the quality control of leukocyte reduced red blood cell components prepared by buffycoat method at a tertiary care teaching hospital, Blood bank in Southern India.

TRANSCON 2014 ISBTI National Conference, Patiala on 18<sup>th</sup> October 2014

**Dr K. Sindhuja** Presented a poster on “Clinically significant anti-M antibodies-A report of two cases.

AT HAEMATOCON-2014 ISHTM National Conference at Hyderabad on 7<sup>th</sup> November 2014.

Dr Anitha Presented a paper on “Prevalence of weak D among blood donors and patients at a tertiary care teaching hospital in Southern India i.e SVIMS, Tirupati, A.P”

### **15.5 Publications**

1. Suresh B, Arun R, Yashovardhan A, Deepthi K, Sreedhar Babu KV, Jothibai DS. Changes in pre-and post-donation haematological parameters in plateletpheresis donors. J Clin Sci Res 2014;3:85-9.
2. Deepthikrishna G, Sreedhar Babu KV, Jothibai DS. The spectrum of Vasovagal reactions in blood donors – report of certain cases. Asian Acad Res J Multidisciplinary 2014;1:464-8.
3. Suresh B, Deepthi K, Yashovardhan A, Arun R, Sreedhar Babu KV, Jothibai DS, Bhavani V. Haemolytic disease of the newborn due to multiple maternal antibodies. J Clin Sci Res 2014;3:198-201.
4. Sai Prasad BV, Md K Faheem N, Indrani G, Vittal Mohan P, Sreedhar Babu KV, Sreenivasulu M. Mature cystic teratoma with synchronous immature teratoma of opposite ovary in a nine year old girl- a varied presentation of common tumor- Case report with review of literature. Int J Res Dev Health. 2014;2:75-80.
5. Vellanki VS, Sarma MBR, Sridhar Babu KV, Kiran Kumar N. Pancreatic tuberculosis mimicking as malignancy in an Immunocompetent Individual. J Clin Sci Res 2014;3:202-5.
6. Amit Kumar C, Sreedhar Babu KV, Sachan A, Rukmangdha N, Rashmi Patnayak, Radhika K, Phaneendra BV, Kumaraswamy Reddy M. Should we apply suction during fine needle cytology of thyroid lesions? A Prospective Study of 200 Cases. J Clin Diag Res 2014;10:19-22.

### **15.6 CME/Seminars/Workshops/Orations conducted**

1. CME on “Rational use of Blood Components” was conducted by the Department of Transfusion Medicine, SVIMS on 11<sup>th</sup> October 2014.
2. Dr R.N. Makroo, Director and Senior Consultant, Dept. of Transfusion Medicine, Molecular Biology and Transplant Immunology, Indraprastha Apollo Hospitals, New Delhi delivered guest lecture on “Rational use of Blood Components”.
3. Dr P. Arumugam, Professor & Head, Department of Transfusion Medicine, The Tamilnadu Dr MGR Medical University, Chennai delivered guest lecture on “Complications of Blood Transfusion”.

### **15.7 Other academic activities:**

**Dr D.S. Jothi Bai**, attended

1. Medical Council of India Accessor for MD (IHB) at Sri Vinayaka Missions Medical College, Salem.
2. Examiner for PhD (Preliminary) at Sri Devraj Urs Medical College, Kolar – Sri Rajiv Gandhi University
3. Examiner for DCP at CMC Hospital Vellore, The Tamilnadu Dr MGR Medical University.

**Dr K V Sreedhar Babu** is

1. Editorial Board Member, International Journal of Research & Development of Health.
2. Organizing Secretary for Transfusion Medicine CME organized by the Department of Transfusion Medicine, SVIMS at Sri Padmavathi OPD auditorium, SVIMS- theme “Rational use of Blood/Blood components” on 11<sup>th</sup> October 2014.
3. Co-Guide for Post-graduate Dissertation (MD Transfusion Medicine).

**Dr R.Arun**, attended the following

1. Expert committee member in the Dept. of AIDS Control (DAC-NACO), Ministry of Health & Family welfare, Govt. of India for Blood bank Training center assessment.
2. A Member of Andhra Pradesh State Working Group for Hemovigilance Programme of India, Govt. of India.
3. ANACO Resource person for training blood bank medical officers and lab technicians.
4. Dissemination of Rapid Situational Analysis of DAC supported Blood Banks & Review meeting of Regional Training Centres for Blood Transfusion Services at New Delhi organized by Deputy Director General, Dept. of AIDS Control (DAC-NACO), Ministry of Health & Family welfare, Govt. of India during 22-23 April 2014.
5. Inspected Orissa State AIDS Control society, Bhubaneswar regarding the implementation of e-blood banking system in India and submitted report to the CDC-CMAI project of the Govt. of India on 7<sup>th</sup> July 2014.
6. Did blood bank training center assessment at Stanley Medical College, Chennai, JIPMER Puducherry, Govt. Medical College, Nagpur and Lifeline blood bank, Nagpur (4 Centres) for the Dept. of AIDS Control (DAC-NACO), Ministry of Health & Family welfare, Govt. of India during 11-14 August 2014.



## 16.0 DEPARTMENT OF MEDICAL ONCOLOGY

### Professor & Head

Dr M. Manickavasagam

### Faculty

Dr C. Chandra Sekhar  
Dr N. Subba Rao  
Dr K. Sudheer Reddy  
Dr K. Venkata Sampath

### DM PG Senior Residents

|                      |                          |
|----------------------|--------------------------|
| Dr A. Vindhya Vasini | Dr Ananth Pai            |
| Dr D. Bhargavi       | Dr Venkatesh Mushini     |
| Dr R.G. Balambika    | Dr Sreerama Krishnaiah S |

### 16.1 Research Work

#### Thesis submitted

1. Vindhya Vasini A. A comparative study of chemotherapy Vs Endocrine therapy in the neoadjuvant treatment of locally advanced breast cancer (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Bhargavi D. A prospective comparative study of bone marrow biopsy versus 18-F-FDG PET in the evaluation of bone marrow involvement in lymphoma (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing thesis work

1. Balambika RG. R-risk Factor profile for cancer associated thromboembolism and prediction of high risk patients to optimise thromboprophylaxis (DM Thesis).
2. Ananth Pai. Assessment of predictive value of inflammatory markers and inflammation based prognostic scores in newly diagnosed patients with carcinoma breast or carcinoma ovary planned for neoadjuvant chemotherapy and in newly diagnosed patients with metastatic breast carcinoma or metastatic non small cell lung carcinoma or metastatic colorectal carcinoma planned for palliative chemotherapy (DM Thesis).

#### Thesis work carried out in collaboration with other departments

**Dr M. Manickavasagam**, was *Co-guide* for the thesis of

1. Jaya Prakash C. A randomized study of neoadjuvant chemotherapy with interval cytoreduction Vs primary cytoreduction in advanced (Stage IIIc/IV) Ovarian Cancers (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 16.2 Conferences attended, lectures delivered

#### International

1. Dr K.Sudheer Reddy, attended ESMO congress 2014 held in September 2014 in Madrid Spain and presented a poster on European Treatment and outcome study (EUTOS) Score predicts early molecular response to Imatinib therapy in Chronic Phase Chronic Myeloid Leukemia patients (CP-CML).

#### National:

**Dr M. Manickavasagam**, attended the following

1. ESMO conference at Madrid, Spain in September, 2014.
2. CME on pediatric oncology on 1<sup>st</sup> November 2014.
3. Chaired a session on Imaging in Cervix Cancer, GI oncology at "Onco-Imaging conference" by IRIA on 21<sup>st</sup> December 2014.

**Dr K.Sudheer Reddy, Dr Venkata Sampath,** attended the following

1. COPE held at Chennai during 11-12 January 2014.
2. Apollo Cancer Congress, held at Chennai on 7<sup>th</sup> February 2014.
3. Participated in TYSA (Torrent young scholar award) National round held at Ahmadabad on March 2014.
4. Haematocon, 2014 held at Hyderabad on November 2014.

**Dr Venkata Sampath,** Participated in TYSA Oncology Quiz second phase held at Chennai on 8<sup>th</sup> February 2014 and Final phase held at Ahmadabad, Gujarat on 2nd March 2014.

Dr Venkata Sampath, delivered Guest Lecture on “Role of Imaging at various levels in guiding treatment decisions in Breast cancer” “Onco-imaging conference” by IRIA on 21<sup>st</sup> December 2014 attended lymphoma expert forum on 19<sup>th</sup> December in Bangalore and presented a paper on “NHL Leg Type” case series in Lymphoma expert forum at Bengaluru on 19<sup>th</sup> December 2014.

### 16.3 Presentations by postgraduate students:

1. Ananth Pai, presented a paper on “Breast cancer screening” on the World Cancer day meet held at SVIMS, Tirupati on 2<sup>nd</sup> February 2014.
2. Bhargavi D, presented a paper on “A comparative Clinico pathological analysis of Hodgkins Lymphoma and Non Hodgkins Lymphoma”. A single institutional experience at AP APICON 2014 Kakinada which was awarded 1<sup>st</sup> prize in oral presentation.
3. Vindhya Vasini A, presented a paper on “A prospective Randomized comparative study of chemotherapy versus endocrine therapy in the neoadjuvant treatment of locally advanced Breast Cancer” was accepted for Dr Kalla Venket researcher award competition at

ISMPOCON 2014 (Indian society of medical and Pediatric Oncology Conference) to be held at Kolkatta during 26-28 December 2014.

4. Balambika RG, presented a paper on “Incidental versus Symptomatic Venous Thromboembolism in Cancer – an underestimated problem” at ISMPCON 2014 during 26- 28 December 2014.

### Poster Presentation

1. Vindhya Vasini A, presented a poster on “Response to neoadjuvant chemotherapy across the subtypes of breast cancer in locally advanced disease - Our institutional experience” in AP APICON 2014 conference conducted at Kakinada.

**Dr R.G. Balambika,** presented a posters on

1. “Clinical profile of Germ Cell Tumours of the Testis” at AP APICON - 2014 during 2-3 August 2014.
2. “Incidental vs Symptomatic Venous Thromboembolism in Cancer - an underestimated problem” at ISMPCON 2014 during 26-28 December 2014.

**Dr Ananth Pai,** presented a posters on

1. “Male breast cancer: the silent killer” at the AP APICON -2014 conference held at Kakinada during 2-3 August 2014.
2. “Primary Cutaneous large B Cell Lymphoma: A diagnosis made too often or no less” at ISMPOCON held at Kolkata during 26-28 December 2014.

### 16.4 Publication

1. Manickavasagam M, Bhargavi D. A comparative clinicopathological analysis of Hodgkins Lymphoma and Non Hodgkins lymphoma – a single institutional experience. J Clin Sci Res 2014;3(S2):S32

### 16.5 CMEs/Seminars/Workshops/Orations conducted by the dept:

A CME on Pediatric Oncology was conducted by the departments of Medical Surgical and Radiation Oncology SVIMS on 1<sup>st</sup> November 2014.

1. Dr Kathiresan, MCh (Surgical Oncology) Additional Professor, Cancer Institute, Adyar, delivered a guest lecture on Bone Tumour.
2. Dr Venkatraman, DM (Medical Oncology) , Assistant Professor, Cancer Institute, Adyar, delivered a guest lecture on Wilms tumor & Retinoblastoma.
3. Dr Krishna Ratnam, DM (Medical Oncology), Professor, Cancer Institute, Adyar, delivered a guest lecture on BMT in Pediatric malignancies.

#### **16.6 Other academic activities**

Dr A.Vindhya Vasini, Dr D.Bhargavi, attended External Postings as observers to the department of medical oncology Adayar, Cancer institute Chennai during 15-30 September 2014 and department of clinical hematology CMC, Vellore during 15<sup>th</sup> October -14<sup>th</sup> November 2014

#### **Quiz Competition:**

Dr A. Vindhya Vasini, Attended Torrent young scholar Award Quiz competition conducted at Chennai on 13<sup>th</sup> December, 2014 selected for final round to be held in January, 2015 at Ahmedabad.



## 17.0 DEPARTMENT OF MEDICINE

### Professor & Head

Dr Alladi Mohan

### Faculty

Dr B. Siddhartha Kumar

Dr D.T. Katyarmal

Dr D. Prabath Kumar

Dr J. Harikrishna

### MD PG Junior Residents

#### III year

Dr V. Arun Raja

Dr P. Suneetha

#### II year

Dr P.S.S. Neelima Ch

Dr D.P. Kalyan Chakravarthi

Dr B. Raga Deepthi

Dr P. Sumanth Reddy

#### I year

Dr Dindi Arun Kumar

Dr Narayana Murthy. D

Dr Thejeswini. P

Dr Aruna Mangipudi

### 17.1 Awards, achievements and felicitations

1. **Dr N. Sowgandhi**, Junior Resident Postgraduate student in MD (Medicine) won the **Best Paper Award** for the paper titled “Study of aetiological overlap between rheumatoid arthritis and PAPA syndrome” at the 69<sup>th</sup> Annual Conference of the Association of Physicians of India (APICON 2014) held at Ludhiana 20-23 February 2014.
2. **Dr P. Sumanth Reddy**, Junior Resident Postgraduate student in MD (Medicine) won the **First Prize** (Cash Prize of ‘5000/-) for the paper titled “A study of 116 patients requiring mechanical ventilation in medical intensive care unit (MICU)” in the Free Paper (Platform) session at the Free paper Award Session in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.
3. **Dr Sai Neelima Challa**, Junior Resident Postgraduate student in MD (Medicine) won the **Second Prize** (Cash Prize of ‘1000/-) for the paper titled “A study of 134 patients with acute exacerbation of chronic obstructive

pulmonary disease” in the Free Paper (Poster session) in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.

4. **Dr P. Suneetha**, Junior Resident Postgraduate student in MD (Medicine) won the Consolation **Prize** (Cash Prize of ‘1000) for the paper “Comparison of DAS28, CDAI, HAQ-DI and RAPID3 as tools to assess disease activity in patients with rheumatoid arthritis” in the Free Paper (Platform) session in the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada during 2-3 August 2014.

### 17.2 Fellowships and orations

Dr Alladi Mohan, Professor and Head delivered the “*Dr I. Joga Rao Memorial Oration*” titled “Sepsis syndrome: past, present and future” at the 42<sup>nd</sup> Annual Conference of the AP State chapter of Association of Physicians (AP APICON 2014) held at Rangaraya Medical College, Kakinada, during 2-3 August 2014.

### 17.3 Research projects

#### Ongoing Research projects

1. **Principal Investigator:** Dr Alladi Mohan,  
**Title:** A prospective double-blind randomized controlled trial (RCT) to determine the effect of vitamin D supplementation on the development of active tuberculosis and pneumonia in HIV-infected individuals. **Funding agency:** Indian Council of Medical Research (ICMR), Department of Health Research, Government of India.
2. **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.

### 17.4 Research work

#### Theses submitted

1. Arun Raja V. Clinical characteristics and outcome in critically ill adult patients with acute deliberate self- poisoning admitted to medical intensive care unit (MICU)(MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Suneetha P. Comparison of Disease activity Score based on 28 joints (DAS28), Clinical disease activity index (CDAI), Health assessment questionnaire-disease index (HAQ-DI) and Routine assessment of patient index data with 3 measures (RAPID3) as tools to assess disease activity in patients with rheumatoid arthritis(MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2013.

#### Thesis work carried out in collaboration with other Departments

#### Theses submitted

**Dr Alladi Mohan**, was *Co-guide* for the following thesis

1. Vivekanand K. Study of the structure and functioning of referral mechanism of patients

receiving treatment and records linkage under Revised National Tuberculosis Control Programme (RNTCP) of Government of India (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

2. Varadaraja J. A study of in-hospital medical and neurological complications and outcome in patients with acute stroke (DM Thesis). Tirupati; Sri Venkateswara Institute of Medical Sciences; 2014.
3. Ramakrishna G. The spectrum of inflammatory demyelinating diseases of the central nervous system (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
4. Ameen MA. Outcome and management of spinal tuberculosis according to severity at a tertiary referral centre (MCh Thesis). Tirupati; Sri Venkateswara Institute of Medical Sciences; 2014.
5. Neelima R. Effect of acute severe illness on hypothalamo-pituitary-gonadal axis in postmenopausal women (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr B.Siddhartha Kumar**, was *Co-guide* for the thesis

1. Usha K. Prevalence of scrub typhus and comparison of three diagnostic modalities – Weil-felix test, enzyme linked immunosorbent assay and nested PCR for detection in blood (PhD Thesis). Tirupati: Sri Venkateswara University; 2014.

### 17.5 Conferences attended, lectures delivered

**Dr Alladi Mohan**, attended the following conferences as Faculty Member and delivered the following lectures

#### International

1. “Screening for NCD in communicable diseases” and “ROC Curves” in the International Non-Communicable Diseases

Research Meet at Kasturba Medical College, Manipal during 18-19 January 2014.

2. "Tuberculosis in Women" in International Congress on Women's Health 2014 held at Tirupati on 13<sup>th</sup> July 2014.
3. "Certain" expectations in an uncertain world: a physician's view" in International Conference on Statistics and Information Technology for a Growing Nation, at Tirupati during 30<sup>th</sup> November – 2<sup>nd</sup> December 2014.

### National

1. "Hair dye poisoning" at CME Programme organized by Indian Medical Association (IMA), Nellore Branch at Nellore on 25<sup>th</sup> January 2014.
2. "Acute respiratory distress syndrome (ARDS): Indian evidence" at the "69<sup>th</sup> Annual Conference of Association of Physicians of India, APICON 2014 at Ludhiana during 20-23 February 2014.
3. "Clinicopathological conference (CPC)" at the "69<sup>th</sup> Annual Conference of Association of Physicians of India, APICON 2014 at Ludhiana during 20-23 February 2014.
4. "Pulmonary eosinophilia: What's new?" at the "69<sup>th</sup> Annual Conference of Association of Physicians of India, APICON 2014 at Ludhiana during 20-23 February 2014.
5. "NIV in acute hypoxemic failure" at the NATCON 2013 - the 68<sup>th</sup> National Conference of Tuberculosis and Chest Diseases at National Institute of Tuberculosis and Respiratory Diseases (NITRD), New Delhi during 23-26 February 2014.
6. "Operational research in tuberculosis care and control" and "The principles and structure of a research protocol" in the CME Programme "Operational research in public health" at BGS Global Institute of Medical Sciences, Bengaluru on 31<sup>st</sup> May 2014.
7. Multiple organ dysfunction syndrome (MODS) in the medical ICU, challenges and opportunities: Indian perspective" and "Acute respiratory distress syndrome (ARDS) in the tropics: innovations and advances" in the Indo-Global Healthcare Summit and Expo at Hyderabad during 20-22 June 2014.
8. "How to write a paper for publication in a journal" in the CME Programme organized by Hyderabad Chapter of the Association of Physicians of India at Hyderabad on 12<sup>th</sup> July, 2014.
9. "Indications for VATS / medical pleuroscopy" in the Workshop on Thoracoscopy held at Tirupati on 23<sup>rd</sup> August 2014.
10. "Enteric fever" in the Zonal CME Programme organized by Department of Medicine, Guntur Medical College, Guntur at Guntur on 31<sup>st</sup> August 2014.
11. "Tuberculosis and diabetes: double trouble" in the KRSSDI 2014 Decennial Conclave Conference at Father Muller Medical College, Mangalore 6-7 September, 2014.
12. "Newer diagnostic tests for tuberculosis" in Kasturba Medical College, Manipal on 8<sup>th</sup> September 2014.
13. "Steroids in tuberculosis" in the Annual National Conference of Indian Association of Clinical Medicine (IACMCON 2014) at Agra during 10-12 October 2014.
14. "Pro-calcitonin levels as a bio-marker to antibiotic therapy in acute respiratory tract infections" at 16<sup>th</sup> Joint National Conference of the Indian Chest Society (ICS) and National College of Chest Physicians (NCCP), NAPCON 2014 Conference held at Agra, during 20-23 November 2014.
15. "Ethics in medical research" in the Pre-conference Workshop on Research Methodology, XXII Annual National Conference of Association of Medical Biochemists of India (AMBICON 2014) held at Tirupati during 14-16 November 2014.



16. “Rational antibiotic therapy” at CME Programme organized by Indian Medical Association (IMA), Nellore Branch at Nellore on 28<sup>th</sup> December 2014.

### **Chairperson**

**Dr Alladi Mohan**, was Chairperson for the sessions

1. “Clinicopathological conference (CPC)” at the 69th Annual Conference of Association of Physicians of India, APICON 2014, at Ludhiana during 20-23 February 2014.
2. “Pulmonology” “ in the Indo-Global Healthcare Summit and Expo at Hyderabad during 20-22 June 2014.
3. “Sleep in diabetes mellitus” in the BUD-2014 Annual Conference organized by Balaji Diabetes Association and Indian Medical Association, Tirupati Branch on 24th August 2014.
4. “Biostatistics” in the International Conference on Statistics and Information Technology for a Growing Nation at Tirupati during 30th November – 2nd December 2014.
5. “Prof. Sadasivudu Oration” in the XXII Annual National Conference of Association of Medical Biochemists of India (AMBICON 2014) held at Tirupati during 14-16 November 2014.
6. “Pulmonary rehabilitation” at National Conference on Recent Trends in Physiotherapy held at Tirupati on 19th December 2014.
7. “Free Paper Session” in the 1st Andhra Pradesh State Chapter Conference of Indian Academy of Tropical Parasitology” on 20th December 2014.

**Dr Alladi Mohan**, was Judge for the following:

1. “Best Poster Award” in the Poster session at the 69th Annual Conference of Association of Physicians of India, APICON 2014 at Ludhiana during 20-23 February 2014.

### **17.6 Presentations by postgraduate students**

At the 69<sup>th</sup> National Conference of the Association of Physicians of India (APICON 2014) held at Ludhiana during 20-23 February 2014

1. Sowgandhi N, Siddhartha Kumar B, Sarma PVGK, Katyarmal DT, Sarma KVS. Study of aetiologic overlap between rheumatoid arthritis and PAPA syndrome.
2. Dinesh Kumar N, Alladi Mohan, Siddhartha Kumar B, Prabath Kumar D, Harikrishna J, Sarma KVS. Prevalence of HIV infection in incident TB cases.
3. Arun Raja V, Alladi Mohan, Harikrishna J, Siddhartha Kumar B, Sivaram Naik G, Aparna Reddy S, Sarma KVS. Aetiology and predictors of outcome in patients admitted to MICU with MODS.
4. Suneetha P, Alladi Mohan, Sivaram Naik G, Harikrishna J, Prabath Kumar D, Sarma KVS. Predictors of outcome in patients with SUPER VASMOL 33 hair dye poisoning.

### **17.7 Publications**

#### **Publications in indexed journals**

1. Mohan A. Blood glucose test strips costing under 5 on the anvil. *Natl Med J India* 2014;27:56-7.
2. Mohan A. The Accelerating Science Award Program 2013. *Natl Med J India* 2014;27:56.
3. Sharma SK, Katoch VM, Mohan A, Kadiravan T, Elavarasi A, Ragesh R, Nischal N, Sethi P, Behera D, Bhatia M, Ghoshal AG, Gothi D, Joshi J, Kanwar MS, Kharbanda OP, Kumar S, Mohapatra PR, Mallick BN, Mehta R, Prasad R, Sharma SC, Sikka K, Aggarwal S, Shukla G, Suri JC, Vengamma B, Grover A, Vijayan VK, Ramakrishnan N, Gupta R, Apnoea INOSA Guidelines Working Group; Indian Initiative on Obstructive Sleep. Consensus & evidence-based INOSA Guidelines 2014 (first edition). *Indian J Med Res* 2014;140:451-68.
4. Mohan A, Sada S, Kumar BS, Sarma KVS, Devi BV, Rao PVLN, Rajasekhar D,

Katyarmal DT. Subclinical atherosclerosis in patients with rheumatoid arthritis by utilizing carotid intima-media thickness as a surrogate marker. *Indian J Med Res* 2014;140:379-86.

5. Mohan A. Pesticide residues in food. *Natl Med J India* 2013;26:315.
6. Mohan A. Andhra Medical College, Visakhapatnam celebrates Granite anniversary. *Natl Med J India* 2013;26:315.
7. Mohan A, Harikrishna J, Prabath Kumar D. Newer antituberculosis drugs. *World Clin Pulm Crit Care Med* 2014;3:86-96.
8. Mohan A, Harikrishna J, Prabath Kumar D, Dinesh Kumar N, Radhika K, Phaneendra BV. Kikuchi-Fujimoto disease presenting as pyrexia of unknown origin. *J Clin Sci Res* 2014;3:2-6.
9. Siddhartha Kumar B, Sivaram Naik G, Mohan A, Prabath Kumar D, Suresh V, Sarma KVS, Srinivasa Rao PVLN, Katyarmal DT. Prevalence of thyroid disorders and metabolic syndrome in adult patients with rheumatoid arthritis. *J Clin Sci Res* 2014;3:97-105.
10. Harikrishna J, Raga Deepthi B, Arun Raja V, Suneetha P, Chowhan AK, Vijaya Lakshmi Devi B, Abha Chandra, Mohan A. Horner's syndrome due to Pancoast tumour. *J Clin Sci Res* 2014;3:150-2.
11. Mohan A, Pemmaraju Venkata AK. Ebola virus disease: an emerging global threat. *J Clin Sci Res* 2014;3:216-8.
12. Sandeep P, Ram R, Sowgandhi N, Reddy SA, Katyarmal DT, Kumar BS, Kumar VS. Atenolol and amlodipine combination overdose managed with continuous venovenous hemodiafiltration: a case report. *Indian J Nephrol* 2014;24:327-9.
14. Mohan A, Harikrishna J, Prabath Kumar D. Management of aluminium phosphide (Celphos) poisoning. In: Gupta AK, Executive -Editor-in-Chief. *Clinical medicine update 2014*. New Delhi: Jaypee Brothers Medical Publishers for Indian Association of Clinical Medicine; 2014.p.446-51

### 17.8 CMEs/Seminars/Workshops conducted by the department

1. The monthly CME of the Tirupati chapter of Association of Physicians of India (Reg. No.190/2007) was conducted by the Department of Medicine at SVIMS.

### 17.9 Others

**Dr Alladi Mohan**, Professor and Head of the Department 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. Expert, Project Review Committee, National Hub for Health Care Instrumentation Development (NHHCID), Anna University Chennai for projects under title "Imaging based networking, patient/home care devices and medical aids"
3. Member, Working Group to develop National Strategic Plan (2012-17) for Revised National Tuberculosis Control Programme (RNTCP), Government of India on Research.
4. Member, National Operational Research (OR) Committee for the involvement of Medical Colleges in the Revised National Tuberculosis Control Programme (RNTCP) of Government of India
5. Editor, *Indian Journal of Chest Diseases and Allied Sciences* (indexed in MEDLINE, PUBMED) published from V.P. Chest Institute, University of Delhi, since 2010

### Book Chapters

13. Mohan A, Prabath Kumar D, Harikrishna J. Multiple organ dysfunction syndrome (MODS). In: Joshi S, editor. *Medicine update*. Mumbai: Association of Physicians of India; 2014.p.595-601.

6. Associate Editor (Pictorial Quiz), Lung India (indexed in MEDLINE, PUBMED) since 2010.
7. Editor, Journal of Clinical and Scientific Research since 2012.
8. Examiner for MBBS AIIMS, New Delhi; MD (General Medicine) Maharashtra University of Health Sciences (MUHS), Maharashtra; Dr MGR Medical University, Tamil Nadu.

**Dr B. Siddhartha Kumar**, Professor has been

1. Examiner for MBBS Dr MGR Medical University, Tamil Nadu; MD (General Medicine) Maharashtra University of Health Sciences (MUHS), Maharashtra, Tribhuvan University, Nepal.



## 18.0 DEPARTMENT OF MICROBIOLOGY

**Professor & Head**  
Dr Abhijit Chaudhury

### Faculty

Dr K.K. Sharma  
Dr Usha Kalawat  
Dr B. Venkataramana  
Dr R Jayaprada  
Dr G.L.S. Sumanth Kumar

### Tutor cum PG Junior Residents

Dr Kavyagandha  
Dr Anju Verma  
Dr HVND Nibandhana

### 18.1 Achievements :

Hosting of the 1st. Andhra Pradesh Chapter Conference of Indian Academy of Tropical Parasitology during 19-20 December 2014, along with CME and Workshop on Molecular Diagnosis of Parasitic Infection. More than 40 delegates from all parts of Andhra Pradesh participated in the event.

### 18.2 Research Projects:

#### Research Projects Completed in 2014

**Principal Investigator:** Dr Abhijit Chaudhury.  
**Title:** Assessment of Hepatitis B vaccination status among health care workers at Sri Venkateswara Institute of Medical Sciences, Tirupati. **Funding Agency:** Sri Balaji Arogya Vara Prasadini Scheme, Sri Venkateswara Institute of Medical Sciences, Tirupati.

#### Ongoing Research Projects

**Principal Investigator:** Dr Abhijit Chaudhury.  
**Title:** Isolation of Free Living Amoebae from Hospital water and from CSF.

### 18.3 Research Work

#### Thesis work

#### Thesis Submitted

1. **Madhavi Lata P.** Use of Polymerase Chain Reaction in the early diagnosis of Leptospirosis (PhD Thesis) Tirupati. Sri Venkateswara Institute of Medical Sciences: 2014.

2. **Anju Verma.** Prevalence of Hepatitis C virus infection and its genotypes among the blood donors at Tirupati, Andhra Pradesh (MD Thesis) Tirupati. Sri Venkateswara Institute of Medical Sciences: 2014.
3. **Sumanth Kumar GLS.** A study to evaluate the sensitivity and specificity of ELISA taking indirect immunofluorescence as reference test in detecting auto-antibodies related to connective tissue disorders and further differentiating them by Western blot (MD Thesis) Tirupati. Sri Venkateswara Institute of Medical Sciences: 2014.

#### Ongoing Thesis

1. **Nibandhana HVND.** A prospective study of the common infectious causes of Thrombocytopenia (MD Thesis).
2. **Nagaraja M.** Determination of genotypes and viral load of cervical cancer associated HPV among patients attending a tertiary care hospital in South India” (Ph D Thesis).

### 18.4 Conferences and Workshops attended, Lectures delivered

**Dr Abhijit Chaudhury**, attended the following

1. MICROCON 2014, the 38<sup>th</sup> National conference of Indian Association of Medical Microbiology at Jaipur and delivered a guest lecture on “Genomic Markers of Parasitic Infections” during 15-19 October, 2014.

2. 8<sup>th</sup> National Conference of The Indian Academy of Tropical Parasitology, and delivered a guest lecture on “Immunological Diagnosis of Parasitic Infections: Status of Available Commercial Tests” at RMRC, Dibrugarh (Assam), 20-22 November, 2014.
3. Delivered a lecture on “Molecular Diagnosis of CNS Parasitic Infections” in the CME on ‘Parasitic Infections of CNS’ on 14th December, 2014 at PSG Institute of Medical Sciences and Research, Coimbatore.
4. Delivered a lecture on “Immunological Diagnosis of Parasitic Infections” at the 1st. Andhra Pradesh Chapter of Indian Academy of Tropical Parasitology at SVIMS, Tirupati during 19-20 December, 2014.
5. Participated in “Good Antibiotics Prescription Practice, Epidemiology and Infection Control Certification Programme” conducted by Amrita Institute of Medical Sciences, Cochin.

**Dr Usha Kalawat**, attended the following

1. Delivered a lecture on “Molecular Diagnosis of Parasitic Infections” at the 1st. Andhra Pradesh Chapter of Indian Academy of Tropical Parasitology on 19-20 December, 2014 at SVIMS, Tirupati.
2. MICROCON 2014, the 38<sup>th</sup> National conference of Indian Association of Medical Microbiology at Jaipur during 15-19 October 2014 and presented a paper on “Impact of Hand Hygiene compliance on Hospital Acquired Infections :A three year study”.

**Dr KK Sharma** delivered a lecture on “Newer Modalities in the Diagnosis of Parasitic Infections” at the 1st. Andhra Pradesh Chapter of Indian Academy of Tropical Parasitology at SVIMS, Tirupati during 19-20 December 2014.

**Dr R Jayaprada**, attended the following

1. Workshop on “Antifungal Susceptibility Testing” at SIHAM national conference held at Coimbatore during 10-12 January, 2014.

2. Presented a paper “Antifungal susceptibility pattern of Candida and emergence of non-albicans species as the predominant isolate in a tertiary care hospital” at SIHAM National Conference held at Coimbatore, during 10-12 January 2014.
3. 7<sup>th</sup> National workshop on “Basic and Molecular diagnostics in Mycology” at Sri Ramachandra Medical College, Chennai during 21-25 November, 2014.

### 18.5 Publications in indexed journals :

1. Kumar E, Usha K, Chaudhury A, Ramana BV, Sai Gopal DVR. Detection of Amp C beta lactamase production in *Acinetobacter* species by an inhibitor (disc) based method and modified three dimensional (enzyme extraction) method. *Indian J Med Res* 2014;140:27-9.
2. Sumanth Kumar GLS, Chaudhury A, Verma A, Kalawat U, Ramana BV, Siddhartha Kumar B. Comparison of ELISA with indirect immunofluorescence for detection of anti-nuclear antibody. *J Clin Sci Res* 2014;3:237-42.
3. Usha K, Kumar E, Kalawat U, Siddhartha Kumar B, Chaudhury A, Sai Gopal DVR. Seroprevalence of scrub typhus among febrile patients – A preliminary study. *Asian J Pharm Clin Res* 2014;7(S1):19-21.
4. Surendranath CR, Ramana BV, Chaudhury A, Gururaj kumar A. Functional study of efflux pump inhibitors in clinical isolates of multidrug resistant *klebsiella pneumoniae*. *Asian J Pharm Clin Res* 2014;7:80-2.
5. Kumar E, Usha K, Ramana BV, Chaudhury A, Sai Gopal DVR. Prevalence of *Acinetobacter* species and its antibiogram pattern in a Tertiary care Hospital. *Int J Pharm Res Bio Sci* 2014;3:352-8.
6. Suneetha N, Ramana BV, Kasturi T, Gururaj Kumar A. Prevalence of asymptomatic bacteriuria in non-pregnant reproductive age women. *Int J Pharm Res Bio Sci* 2014;3:700-6.
7. Sagarika PV, Ramana BV, Chaudhury A. Vancomycin MIC of *Enterococcus* showing reduced zone of inhibition by disk diffusion

method. Int J Pharm Res Bio Sci 2014;3: 737-42.

8. Madhumati B, Rani KL, Murty DS, Reddy BKN, Ramana BV. Species distribution and antifungal susceptibility profile in vaginal candidiasis. Int J Pharm Res Bio Sci 2014;3:497-502.
9. Verma Anju, Usha Kalawat U, ShobhaRani A, Sumanth Kumar GLS , Chaudhury A. Bacteriology of wound infections and antibiotic susceptibility pattern of the pathogens. J Soc Wound Care Res 2014;7: 33-41.

#### **18.6 Workshop and CME Conducted by department:**

1. A three days' hands-on workshop on "Real Time PCR" was conducted by SVIMS on 27<sup>th</sup> July 2013.
2. A hands-on workshop on "Molecular Diagnosis of Parasitic Infection" was conducted on 19<sup>th</sup> December, 2014 as part of the 1<sup>st</sup>. Andhra Pradesh Chapter Conference of Indian Academy of Tropical Parasitology.

3. ACME on "Advances in the Diagnostic Aspects of Parasitic Diseases" as part of the 1<sup>st</sup> Andhra Pradesh Chapter Conference of Indian Academy of Tropical Parasitology.

#### **18.7 Other Academic Activities:**

**Dr Abhijit Chaudhury**, attended the following

1. Acted as a referee for Journal of Medical Microbiology (UK), Indian Journal of Medical Research, and Current Microbiology (Germany).
2. External examiner for MD examinations at JIPMER, Pondicherry; IMS, BHU, Varanasi; Govt Medical College, Aurangabad, Maharashtra; Surat Medical Institute, Surat, Gujarat; and SUM Medical University, Bhubaneswar, Odisha.
3. MCI assessor for MD at Ajmer and Bangalore; MBBS assessor at Solapur.
4. Selected as Member, Curriculum Task Force Committee, Lab Technology, Ministry of Health and Family welfare, Govt of India.

## 19.0 DEPARTMENT OF NEPHROLOGY

### Senior Professor & Head

Dr V. Siva Kumar

### Faculty

Dr R. Ram  
Dr B. Varalakshmi Devi  
Dr R.D. Nagaraja

### DM PG Senior Residents

Dr P. Sandeep  
Dr V. Chaitanya  
Dr B. Sangeetha Lakshmi  
Dr Harikrishna Reddy M  
Dr Anil Kumar C. Venkata

### 19.1 Awards, achievements and felicitations

**Dr R. Ram** was elected as executive Committee member of Indian Society of Nephrology from December 2013 till December 2015.

### 19.2 Research Work

#### Thesis work

#### Thesis submitted

1. Varalakshmi Devi B. Study of serum osteopontin as a marker of acute kidney injury (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing thesis work

1. Sandeep P. Study of cardiovascular risk factors in adults with chronic kidney disease (DM Thesis).
2. Chaitanya V. Study on relationship between Osteopontin and cardiovascular risk factors and carotid intima-media thickness in chronic kidney disease (pre dialysis) (DM Thesis).
3. Sangeetha Lakshmi B. Study of Changes in the inflammatory and Oxidative stress markers during a single hemodialysis session (DM Thesis).

### 19.3 Conferences attended and lectures delivered

#### National

**Dr V. Siva Kumar**, attended the following

1. International Women conference and Chaired - "Symposium on Pregnancy related renal

diseases" held at SVRRGGH, Tirupati on 13<sup>th</sup> July 2014.

2. API-AP chapter conference and delivered a lecture on Aging Kidney held at Kakinada on 3<sup>rd</sup> August 2014.
3. PDSI national conference and Chaired "Prize paper session" held at Pune on 16<sup>th</sup> August 2014.
4. A chairperson for Brigham PGI Nephrology meet at Chandigarh during 10-12 October 2014.
5. Conducted PD College and delivered lecture on "PD FIRST" at SVIMS on 25<sup>th</sup> October 2014.
6. AP Cardiac Anesthesia Association and delivered lecture on "Preventive and Management Strategies of Acute Kidney Injury in Cardiac surgery" held at Vijayawada on 7<sup>th</sup> December 2014.

**Dr R. Ram**, attended the following

1. ISN South zone conference held in Bangalore in February 2014 and chaired a session on "Free paper session" and also presented a paper on "Renal manifestations in paroxysmal nocturnal haemoglobinuria"
2. Delivered lecture on "Automated Peritoneal dialysis" at PD College, CMC, Vellore in April 2014.
3. 3<sup>rd</sup> Prof. Oreopoulos Workshop on Peritoneal Dialysis Infections at MMM, Madras on 7<sup>th</sup> July 2014 and delivered lecture on "Sterile Peritonitis".



### Prestations in conferences by residents

At PDSI National Conference held in Pune in August 2014

**Dr V.Chaitanya**, presented a poster on “Fungal Peritonitis” and a paper on “prevention of catheter tip migration” and was awarded 2<sup>nd</sup> Prize.

**Dr.B.Sangeetha Lakshmi** presented a Poster “Isoniazid: A Bliss or Boon, Isoniazid toxicity in a PD patient held at Pune in August 2014.

In ISN –SC2014 conference at St.Johns Medical college in Bangalore

**Dr B. Sangeetha Lakshmi**, presented a paper on “Takayasu Arteritis” at a tertiary care centre and was awarded 2<sup>nd</sup> prize .

1. Dr.V.Chaitanya presented a poster on “Copper beaten skull in X- linked hypophosphatemic rickets”.

### 19.4 Publications

1. Sulochana N, Hemalatha M, Latha C, Chaitanya V, Ram R, Sivakumar V. Acquired perforating dermatosis in a patient of diabetic end stage renal disease on CAPD-Case report Indian J Perit Dial 2014;27:63-5
2. Chaitanya V, Sangeetha B, Sandeep P, Varalaxmi B, Sridhar AVSSN, Aparna G, Venkateswarlu M, Ram R, Kumar VS. Amelogenesis imperfecta and nephrocalcinosis syndrome. Indian J Nephrol 2014;24:260-1
3. Sangeetha B, Sandeep P, Varalaxmi B, Chaitanya V, Ram R. Membranous nephropathy and carbamazepine. Indian J Nephrol 2014;24:201-2
4. Ram R, Sandeep P, Sridhar AVSSN, Rukumangadha N, Sivakumar V. Membranoproliferative glomerulonephritis and Pott's disease. Clin Kidney J 2014;7: 391-3
5. Radhakrishna K, Sandeep P, Chakarpani U, Venkata Rami Reddy V, Ram R, Siva Kumar V. Insertion technique for prevention of peritoneal dialysis catheter tip migration. Int Urol Nephrol 2014;46:1867-8
6. Ram R, Sandeep P, Sridhar AV, Kishore CK, Kumar VS. Emphysematous pyelonephritis: disappearing kidneys. Kidney Int 2014; 85:1246.
7. Varalaxmi B, Ram R, Sandeep P, Kumar V S. Posterior reversible encephalopathy syndrome in a patient of snake bite. J Postgrad Med 2014;60:89-90.
8. Kishore CK, Vijayabhaskar J, Vishnu Vardhan R, Sainaresh VV, Sriramnaveen P, Sridhar AV, Varalaxmi B, Sandeep P, Ram R, Vengamma B, Siva Kumar V. Management of Guillain-Barré syndrome with plasmapheresis or immunoglobulin: our experience from a tertiary care institute in South India. Ren Fail 2014;36:732-6.
9. Ram R, Chaitanya V, Siva Kumar V. Copper beaten skull in X-linked hypophosphatemic rickets”. Clin Exp Nephrol DOI 10.1007/s10157-014-0946-5 (E Pub ahead of print).
10. Ram R, Swarnalatha G, Dakshinamurthy K.V. Renal Tubular Acidosis in Sjögren's Syndrome: A Case Series Am J Nephrol 2014;40:123-130.
11. Ram R, Swarnalatha G, Shyam Sundar Rao C, Diwakar Naidu G, Sriperumbaduri Sriram, and Kaligotla Venkata Dakshinamurthy Risk Factors that Determine Removal of the Catheter in Bacterial Peritonitis in Peritoneal Dialysis. Perit Dial Int 2014; 34:239-43;
12. Ram R, Swarnalatha G, Dakshinamurthy KV. Reinitiation of peritoneal dialysis after catheter removal for refractory peritonitis. J Nephrol 2014;27:445-9.

13. Sandeep P, Ram R, Sowgandhi N, Reddy SA, Katyarmal DT, Kumar BS, Kumar VS. Atenolol and amlodipine combination overdose managed with continuous venovenous hemodiafiltration: a case report. *Indian J Nephrol* 2014;24:327-9.

#### **19.5 Orations conducted**

1. 7<sup>th</sup> annual Balaji gold medal oration was delivered by. DrVivekanand Jha, Professor& Head of Nephrology, PGI, Chandigarh on 31<sup>st</sup> January 2014.
2. Sri Nalagatla Balakrishna Reddy endowment oration was delivered by Dr Amit Gupta, Professor & Head of Nephrology, SGPGI, Lucknow on 21<sup>st</sup> March 2014.

#### **19.6 CME**

1. CME programme was conducted by the departments of Urology and Nephrology on 3<sup>rd</sup> May 2014.
2. PD College was conducted on October 25<sup>th</sup> October 2014 by the Department of Nephrology, distinguishing Nephrologists have been invited to deliver lectures on Peritoneal dialysis.

## 20.0 DEPARTMENT OF NEUROLOGY

### Professor & Head

Dr K. Satya Rao

### Faculty

Dr B. Vengamma  
Dr T. Naveen  
Dr M. Sudhakar Rao  
Dr J. Varadaraja

### DM PG Senior Residents

Dr B. Omprakash  
Dr D. Dayakar  
Dr P. Nataraja  
Dr S.V. Naveen Prasad  
Dr J. Dushyanth Babu

Dr V.N. Madhava Rao  
Dr N. Dinesh Kumar  
Dr M. Sarat  
Dr Anil Kumar Kasukurthy

### 20.1 Awards, achievements and felicitations

**Dr B. Vengamma**, Senior Professor, Department of Neurology was awarded for the following

1. **“World Education Award 2014”** for technology in Testing and Assessments in Higher Educational Institutions awarded by 4<sup>th</sup> digital Learning World Education Summit 2014 at New Delhi.
2. **“Best Performing Government Hospital under Dr NTR Aarogya Seva Programme”** by Government of Andhra Pradesh by the Chief minister of Andhra Pradesh at Ravindrabharathi Auditorium Hyderabad on 30<sup>th</sup> October 2014.
3. **“Bharathamuni Kalarathna Award of 2014”** in the medical field for recognition of service to humanity by Bharathamuni Arts Academy at Madanapalli on 21<sup>st</sup> November 2014.

### 20.2 Fellowship received

Dr B. Vengamma, Senior Professor, Department of Neurology, National: Awarded “Fellowship of the Academy of Medical Sciences (FAMS)” by the National Academy of Medical Sciences (NAMS), India, 2014 at the 54<sup>th</sup> Annual conference of National Academy of Medical Sciences (India) at All India Institute of Medical Sciences, Rishikesh on 18<sup>th</sup> October 2014.

### 20.3 Orations delivered:

Dr B. Vengamma, Senior Professor, Department of Neurology has delivered

1. “Dr C. Sambasiva Rao Memorial Endowment Lecture” at Indian Medical Association (IMA), Guntur on “Clinical characteristics, biomarkers and predictors of outcome in stroke: SVIMS experience” on 23<sup>rd</sup> February 2014.
2. **‘RSSDI 2005 ORATION’** at ‘Dicennial Conclave’ of 10<sup>th</sup> Annual Conference of Karnataka Research Society for the Study of Diabetes in India (KRSSDI), Mangalore 2014 on “Diabetic Neuropathy: Clinical Spectrum, Diagnostic Delay-SVIMS Experience” at Father Muller Medical College, Mangalore during 6-7 September 2014.

### 20.4 Research projects

#### Research projects completed in 2014

1. **Co investigator:** Dr B. Vengamma, **Title:** Status of Hypothalamic Pituitary axis in patients with meningitis and Meningo-encephalitis. **Funding agency:** ICMR Project.
2. **Principal Investigator:** Dr B. Vengamma, **Drug Trial entitled:** “An open, multicentric non-comparative study to assess, the effect of phenobarbitone on cognition and behavior in pediatric patients with generalized tonic-clonic seizures or partial seizures” - Phase of IV clinical trial protocol No. GDL-PHL/09/08.

### 20.5 Research work

## **Thesis work**

### **Theses submitted**

1. Varadaraja J. A study of In-Hospital Medical and Neurological complications and outcome in patients with acute stroke (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical sciences; 2014.
2. SudhakarRao M. A study of Aetiology, clinical presentations, management and outcome in patients presenting with status epilepticus (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Ramakrishna. G The spectrum of inflammatory demyelinating disease of the central nervous system (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### **Ongoing Thesis work**

1. Om Prakash B. Spectrum of neurological complications in denovo detected hypothyroid patients –A prospective study (DM Thesis).
2. Dayakar D. Etiology, Semiology, Radiological manifestations and follow up of patients with first seizure. (DM Thesis).
3. Nataraja P. Aetiology, Electrophysiological profile and outcome of chronic peripheral neuropathy (DM Thesis).
4. NaveenPrasad SV. Nerve conduction studies in electrophysiological diagnosis of GB syndrome (DM Thesis).
5. Dushyanth Babu J. Sleep study in parkinsonism: A polysomnography based study (DM Thesis).
6. MadhavaRao VN. Out come of decompressivehemictomy in patient with malignant middle cerebral artery infarction. (DM Thesis).
7. Hemalatha M. A Study to assess the level of stress and coping among the primary care givers of children with epilepsy (PhD Thesis).

## **Thesis work carried out in collaboration with other departments**

**Dr B. Vengamma**, was *Co-guide* for the following thesis

1. Bhagyalakshmi M. A Study to assess the neurocognitive performance, psychological status (Anxiety and Depression) and coping styles among patients undergoing coronary artery bypass graft (CABG) surgery as Co-Guide (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### **20.6 Conference attended:**

**Dr B. Vengamma**, attended the following

1. International Congress on Women's Health organized by Sri Venkateswara Medical College at Tirupati during 11-13 July 2014.
2. Controversies to consensus in Neurology - debate (Against) NEUCON 2014 Conference at Hyderabad during 16- 17 August 2014.
3. IAN Clinical Neurophysiology subsection Workshop on EMG and Autonomic Disorders at Christian Medical Collage at Vellore during 28- 30 August 2014.
4. Dicennial Conclave 10<sup>th</sup> Annual Conference of Karnataka Research Society for the Study of Diabetes in India (KRSSDI) Mangalore 2014 at Father Muller Medical College, Mangalore during 6-7 September 2014.
5. 54<sup>th</sup> Annual conference of National Academy of Medical Sciences (India) at All India Institute of Medical Sciences Rishikesh during 17-19 October 2014.
6. 22<sup>nd</sup> Annual conference of Indian academy of Neurology "IANCON 2014" at PGI Chandigarh during 6-8 November 2014.

### **20.7 Lectures delivered**

**Dr B. Vengamma**, delivered the following lectures on

1. "Epilepsy and Women" at "International Congress on Women's Health" organized by Sri Venkateswara Medical Collage, Tirupati during 11-13 July 2014.



2. “Controversies to consensus in Neurology–debate(Against) “Ketamine in Convulsive Status Epilepticus. Should it be a drug?” at NEUCON 2014 Conference at Hyderabad during 16-17 August 2014.
3. “Management of Epilepsy and Pediatric epilepsies” at monthly academic meeting of IMA Tirupathi on 21<sup>st</sup> September 2014.

### International

**Dr V.Naveen**, attended the following

1. 14<sup>th</sup> Asian & Oceanian Congress of Neurology (AOCN 2014) held at Venetian, Macao (Hong Kong) during 2-5 March 2014.
2. 6<sup>th</sup> ASEAN Congress of Tropical Medicine and Parasitology (ACTMP 2014) held at Kuala Lumpur, Malaysia during 5-7 March 2014.

**Dr Nagasuresh M**, attended 9<sup>th</sup> World Stroke Congress, held at Istanbul, Turkey during 22-25 October 2014.

### National

1. **Dr T. Naveen Dr J. Varadaraja**, attended the Pediatric EEG practical course [PEPC], held at Chennai on 27<sup>th</sup> April 2014.
2. **Dr T. Naveen, Dr J. Varadaraja, Dr M. Sudhakar Rao**, attended the conference “APNEUROCON 2014” held at Tirupati during 20- 22 June 2014.
3. **Dr T. Naveen**, attended the conference IAN Clinical Neurophysiology Subsection Workshop on EMG and Autonomic Disorders, held at CMC Vellore during 28-30 August 2014.
4. **Dr J. Varadaraja**, attended the conference Neucon, held at Hyderabad during 16-17 August 2014.

### Postgraduates

**Dr B. Omprakash, Dr P.Nataraja, Dr D. Dayakar**, attended the following

1. Pediatric EEG practical course [PEPC] held at Chennai on 27<sup>th</sup> April 2014.

2. “A.P. NEUROCON 2014” held at Tirupati during 20-22 June 2014.
3. IAN Clinical Neurophysiology Subsection Workshop on EMG and Autonomic Disorders, held at CMC Vellore during 28-30 August 2014.
4. NEUCON held at Hyderabad during 16-17 August 2014.

**Dr S.V. Naveen Prasad, Dr J. Dushyanth Babu, Dr V.N. Madhava Rao**, attended the conference “APNEUROCON 2014” held at Tirupati during 20-22 June 2014.

### 20.8 Paper Presentations

#### International

14<sup>th</sup> Asian & Oceanian Congress of Neurology (AOCN 2014) held at the Venetian, Macao (Hong Kong) during 2-5 March 2014.

**Dr V. Naveen**, Presented a paper on “Prognostic Value of Plasma Levels of N-Terminal Pro-Brain Natriuretic Peptide in Patients with Acute Ischemic Stroke”.

6<sup>th</sup> ASEAN Congress of Tropical Medicine and Parasitology (ACTMP 2014) held at Kuala Lumpur, Malaysia during 5-7 March 2014

**Dr V. Naveen**, Presented an oral presentation on “Disseminated Cysticercosis: Uncommon Manifestation of A Common Disease”.

9<sup>th</sup> World Stroke Congress held at Istanbul, Turkey during 22-25 October 2014.

**Dr M. Nagasuresh**, Presented Paper on “A study of decompressive craniectomy in acute stroke”.

### Presentation of Assistant professor

#### National

**Dr J. Varadaraja, Dr Sudhakar Rao M**, presented a papers for the following

A.P. NEUROCON 2014 held at Tirupati during 20-22 June 2014

1. Presented Award paper on “A study of in hospital medical and neurological complications and outcome in patients with acute stroke”.
2. Presented paper on “Status epilepticus “ :A study of etiology clinical presentation management and prognosis”.

### Postgraduates

At A.P NEUROCON 2014, Tirupati during 20-22 June 2014

1. **Dr B. Omprakash**, presented a paper on “Spectrum of neurological complications in denovo detected hypothyroid patients.
2. **Dr D. Dayakar**, presented a paper on “Clinical profile of sub acutesclerosing pan encephalitis”.
3. **Dr P. Nataraja**, presented a paper on “Spectrum of idiopathic inflammatory demyelinating disorder of central nervous system”.
4. **Dr S.V. Naveen Prasad**, presented a paper on “Sensitivity of various electro physiological criteria for AIDP”
5. **Dr J. Dushyanth Babu**, presented a paper on “Study of quality of sleep among health care workers in tertiary care hospital”

**Dr P. Nataraja**, Participated

1. Quiz / Regional TYSA CNS Kolkata at 14<sup>th</sup> September 2014.
2. Quiz / IANCON 2014, got 3<sup>rd</sup> prize at IANCON – BAR quiz ( Indian academy of neurology best all round brain quiz) held at PGIMER, Chandigarh at 8<sup>th</sup> November 2014.

### Posters

**Dr B. Omprakash**, presented a posters for the following

1. Poster of “Rasmussen encephalitis treated with IVIg”, ECON, Kolkata, 1-2 February 2014.
2. “Epidermal nevus syndrome with spinal AVM with spinal stroke” (ISACON; Trivendrum) during 14-16 March 2014.

**Dr D. Dayakar**, presented a posters for the following

1. “Opercular myoclonic anarthric status epilepticus (OMASE)”, ECON, Kolkata in February 2014.
2. “Etiological spectrum, clinical manifestations, radiological findings and outcome of patients with cerebral venous thrombosis–A prospective study” at ISACON; Trivendrum in March 2014.

**Dr P. Nataraja**, Poster of “Dual seizure semiology in a case of *Nerocystecercosis*”, ECON , Kolkata in February 2014.

**Dr S.V. Naveen Prasad, Dr J. Dushyanth Babu**, presented a posters on “Rare case of SSPE with long term survival” and “Rare case of isoniazid toxicity” at PGIMER, Chandigarh on 8<sup>th</sup> November 2014.

## 20.7 Publications

### Publications in indexed journals

1. Vengamma. B, Varadaraja. J, Naveen T. A rare case of Dravet syndrome in a 13 year old child. 2014; J Clin Sci Res.
2. Rao JVB, Vengamma B, Naveen T, Ramakrishna G. Isolated hemimegalencephaly in an adult. J Neurol Rural Pract 2014;5: 439- 41.
3. Rao JB, Vengamma B, Naveen T, Naveen V. Lead encephalopathy in adults. J Neurosci Rural Pract 2014;5:161-3
4. Chaitanya V, Sangeetha B, Madhav Rao V N, Ram R, Vengamma B, Kumar V S. Membranous nephropathy associated with the use of levodopa-carbidopa combination. Indian J Nephrol [Epub ahead of print] [cited 2015 Jan 23].

### Publications in Non-Indexed Journals

1. Vijaya Bhaskar Rao J, Vengamma B, Naveen T, Naveen V. Lead encephalopathy in adults: A report of two cases. J Neurosci Rural Pract 2014;5:161-3.

2. Rajitha D, Sunil E, Satish Kumar P, Nagasuresh M, Rajagopal G, Suresh V, Vengamma B, Vijayalakshmi Devi B, Lakshmi AY, Srinivasa Rao PVLN, Sachan A. Unusual radiological manifestations in osmotic demyelination syndrome: a case report. *J Clin Sci Res* 2014;3:38-41.
3. Vengamma B, Rajguru M, Prasad BCM, Ramesh Chandra VV. Central nervous system infections in the intensive care unit. *J ClinSci Res* 2014;3:106-13.
4. Hulikal N, Vamsi NR, Kottu R, Vengamma B. An unusual cause of trigeminal neuralgia. *JNTR Univ Health Sci* 2014; 3:54-6.
5. Kishore CK, Vijayabhaskar J, Vishnu Vardhan R, Sainaresh VV, Sriramaveen P, Sridhar AV, Varalaxmi B, Sandeep P, Ram R, Vengamma B, Siva Kumar V. Management of Guillain-Barré syndrome with plasmapheresis or immunoglobulin: our experience from a tertiary care institute in South India. *Ren Fail.* 2014;36:732-6.
6. Rao JV, Vengamma B, Naveen T, Ramakrishna G. Isolated hemimegalencephaly in an adult. *J Neurosci Rural Pract* 2014; 5:439-41.
7. Sharma SK, Katoch VM, Mohan A, Kadiravan T, Elavarasi A, Ragesh R, Nischal N, Sethi P, Behera D, Bhatia M, Ghoshal AG, Gothi D, Joshi J, Kanwar MS, Kharbanda OP, Kumar S, Mohapatra PR, Mallick BN, Mehta R, Prasad R, Sharma SC, Sikka K, Aggarwal S, Shukla G, Suri JC, Vengamma B, Grover A, Vijayan VK, Ramakrishnan N, Gupta R. ApnoeaInosa Guidelines Working Group FI. Consensus & Evidence-based INOSA Guidelines 2014 (First edition). *Ind J Med Res* 2014;140: 451-68.
8. Nagarathnam M, Vengamma B, Latheef SAA, Reddemma K. Assessment of quality of life in epilepsy in Andhrapradesh. *Neurology Asia* 2014;19:249-55.

## Book Chapters

1. Vengamma B. Clinical approach to coma. In: Munjal Y (editor). *API Text book of Medicine*. 10<sup>th</sup> ed. Mumbai: Association of Physicians of India Jaypee Brothers, Medical Publishers.

## 20.8 CMEs/Seminars/Workshops/Orations conducted by the department

1. APNEUROCON 2014, 21<sup>st</sup> Annual conference of the Andhra Pradesh Neuroscientists Association by Department of Neurology and Neurosurgery, Sri Venkateswara Institute of Medical Sciences, Tirupati during 21-22 June 2014.
2. Pre Conference workshop on Approach to eye movements from bench to bed side conducted by Department of Neurology, Sri Venkateswara Institute of Medical Sciences, Tirupati on 20<sup>th</sup> June 2014.

## Assistant Professor

1. **Dr T. Naveen, Dr M. Sudhakar**, attended the IAN Clinical Neurophysiology Subsection workshop on EMG and Autonomic Disorders at CMC Vellore during 28-30 August 2014.
2. **Dr T. Naveen, Dr J. Varadaraja**, attended EEG workshop at Hyderabad during 29-30 November 2014

## Orations

1. The 5<sup>th</sup> Indian Epilepsy Association (IEA), Tirupati Oration in Epileptology was delivered by Dr. Pravina U. Shah, Senior Consulting Neurologist, Mumbai on 26<sup>th</sup> December 2014 on the topic 'Holistic Management of Epilepsy'. The oration was organized by the Department of Neurology.

## 21.0 DEPARTMENT OF NEUROSURGERY

### Professor & Head

Dr B.C.M. Prasad

### Faculty

Dr V.V. Ramesh Chandra  
Dr V.A. Kiran Kumar  
Dr M.A. Jagadish Kumar  
Dr V. Jayachander  
Dr A. Sanjeev Kumar  
Dr M. Abdul Ameen

### MCh PG Senior Residents

Dr K. Pundarikakshaiah      Dr Srikanth Talluri  
Dr C. Krishna Mohan          Dr Sudharshan Agarwal  
Dr C. Siva Subramanyam      Dr Mohana Sasank Deevi  
Dr V. Bala Balaji  
Dr B.V. Ravi Kumar

### 21.1 Awards, achievements and felicitations

1. Dr V A Kiran Kumar, Assistant Professor, Department of Neurosurgery received **1<sup>st</sup> prize** for poster presentation on “Primary spinal primitive Neuroectodermal tumors – a series of 5 cases” in 21<sup>st</sup> annual conference of the APNSA, “APNEUROCON2014” at Tirupati during 21-22 June 2014.

### 21.2 Orations delivered

**Dr BCM Prasad**, Professor & Head, Department of Neurosurgery, delivered a lectures on

1. “Congenital craniovertebral junction anomalies- problem based approach” at “Neurosurgery Educational workshop and seminars (NEWS)” at Kamineni Academy of Medical Sciences Hyderabad on 8<sup>th</sup> March 2014.
2. “Management of Craniovertebral Junction anomalies” at “VIZAG NEUROCLUB” at Visakapatnam on 26<sup>th</sup> December 2014.

### 21.3 Research work

#### Thesis work

#### Thesis submitted

1. Sanjeev Kumar A. A study of functional outcome of autologous stem cell transplantation in patients with complete

spinal cord injury (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

2. Abdul Ameen M. A study of outcome and management of spinal tuberculosis according to severity at a tertiary referral centre (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Pundarikakshiah K. Surgical strategy for cervical ossification of posterior longitudinal ligament (MCh Thesis).
2. Krishna Mohan C. An algorithmic approach for clinical management of low back ache in patients with normal imaging (MCh Thesis).
3. Siva Subrahmanyam C. Clinical, Radiological and functional evaluation of surgical treatment in degenerative lumbar canal stenosis (MCh Thesis).
4. Bala Balaji V. MGMT methylation status and its efficacy in glioblastoma patients treated with temozolomide and radiotherapy (MCh Thesis).
5. Ravi Kumar BV. Comparative study of various minimally invasive lumbar discectomy procedures and open discectomy based on clinical outcome, muscle injury markers and imaging changes (MCh Thesis).



### Thesis work carried out in collaboration with other departments

#### Theses submitted

**Dr B.C.M. Prasad**, was *Co-guide* for the thesis of

1. Viswanath Reddy A. A prospective randomised controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis projects

**Dr B.C.M. Prasad**, was *Co-guide* for the thesis of

1. Khaja Naseeruddin. Differentiation of typical from atypical and malignant meningioma (MD Thesis).

### 21.4 Conferences attended, lectures delivered:

#### International

**Dr B.C.M. Prasad, Dr V V Ramesh Chandra**, attended the 21<sup>st</sup> Annual conference of Scoliosis Research Society held at Valencia, Spain during 16-19 July 2014. International Meeting on Advanced Spine Techniques (IMAST).

#### National

**Dr B.C.M. Prasad, Dr V.V. Ramesh Chandra, Dr V.A. Kiran Kumar, Dr V. Jayachandar, Dr M.A. Jagadish Kumar** attended the following

1. CME on Metabolic Syndrome at SVIMS, Tirupati on 26<sup>th</sup> April 2014.
2. Preconference workshop on “Minimally invasive Spine surgery” at APNEUROCON 2014 on 20<sup>th</sup> June 2014 at Tirupati and 21<sup>st</sup> State conference of APNSA (Andhra Pradesh Neuroscientists Association) – APNEUROCON 2014 at Tirupati during 21-22 June 2014.
3. CME on Rational usage of blood on 11<sup>th</sup> October 2014 at SVIMS, Tirupati.

4. CME on Central Nervous System Infections at SVIMS Tirupati held on 26<sup>th</sup> Oct’ 2014.

**Dr V V Ramesh Chandra**, attended the following

1. Work shop on “1<sup>st</sup> Neuro-Endoscopic Skull Base Training Program” at Bangalore in August 2014.
2. Work shop on “Meet the Masters –Spinal Deformity live workshop” at Chennai in August 2014.
3. Annual conference of NSSA, “SPINE 2014” and presented a papers on “Percutaneous TLIF with PMMA augmented pedicle screws”, “Cervical disc arthroplasty – clinic radiological analysis” and “Autologous stem cell transplantation in spinal cord injury” at Ahmadabad in September 2014.
4. Annual conference of NSI, “NSICON- 2014” and presented a papers on “Open Vs Minimally invasive TLIF for spondylolisthesis” and “Autologous stem cell transplantation in spinal cord injury” at Coimbatore in December 2014.

**Dr V.A. Kiran Kumar**, attended the following

1. AP NEUROCON 2014, 14<sup>th</sup> annual conference of cerebrovascular society of India at NIMHANS, Bangalore during 5-7 September 2014.
2. Presented a poster on “rare cranial nerve schwannomas of VIII, X and XII cranial nerves” at skull base con 2014, 16<sup>th</sup> annual conference of skull base surgery society of India held at JIPMER, Pondicherry during 10-12 October 2014.

**Dr V. Jayachandar**, attended the following

1. NEUROVASCON 2014 annual Neurovascular conference and Neuro Critical Care workshop held at NIMHANS, Bangalore, presented a paper – under award category titled – “surgical outcome of decompressive craniectomy in CVA – a retrospective study” during 5-7 September 2014.

2. National conference on Minimally invasive spine surgery MISSICON-2014 at Ahmadabad, Gujarat during 22-23 November 2014.
3. Cadevene workshop on MED technique at MISSICON-2014 Ahmadabad, Gujarat on 23<sup>rd</sup> November 2014.

**Dr A. Sanjeev Kumar, Dr Mohammad Abdul Ameen**, attended the following

1. Walter E. Dandy educational course held at Mahabalipuram, Chennai during 10-11 January 2014.
2. Neuro update 2014 held at Chennai during 15-16 February 2014.
3. Shine 2014 held at Chennai during 4-6 April 2014.
4. Preconference workshop on “Minimally invasive Spine surgery” at APNEUROCON 2014 on 20<sup>th</sup> June 2014 at Tirupati and 21<sup>st</sup> State conference of APNSA (Andhra Pradesh Neuroscientists Association) – APNEUROCON 2014 at Tirupati during 21-22 June 2014.
5. CME on “Rational usage of blood” at SVIMS, Tirupati on 11<sup>th</sup> October 2014.

### 21.5 Presentations by postgraduates

APNEUROCON 2014 at Tirupati during 20-22 June 2014.

1. **Dr A. Sanjeev Kumar**, Presented a paper on “Functional outcome of Autologous stem cell transplantation in patients with complete spinal cord injury”
2. **Dr M.A. Ameen**, Presented a paper on “Outcome and management of spinal tuberculosis according to severity at a tertiary referral centre”.
3. **Dr K. Pundarikakshaiah**, Presented paper on “Cases series on OYL, presentation and outcome”.
4. **Dr C. Krishna Mohan**, Presented paper on “Spinal Deformity correction: Our experience”.

5. **Dr Ch. Siva Subrahmanyam**, Presented paper on “Series on spinal cord tumors”
6. **Dr V. Bala Balaji**, Presented paper on “Open versus Minimally invasive TLIF”
7. **Dr B.V. Ravi kumar**, Presented paper on “Our initial experience in Foraminoscopy for lumbar disc herniation”.

### 21.6 Publications

1. Prasad B C M, Ramesh Chandra V V, Kiran Kumar V A, Jayachandar V, Jagadish Kumar MA. Cervical pseudomeningocele following posterior cervical spine surgery a cause of neurologic deterioration: A case report. J Clin Sci Res 2014;3:274-7.

### 21.7 CMEs/Seminars/Workshops/Orations conducted by the dept.

1. The Cherukuri Narasimham and Subhadra Devi 2<sup>nd</sup> annual oration was conducted on 8<sup>th</sup> March 2014 by SVIMS, Tirupati.
2. Dr KVR Sasthry, Ex-Professor and Head, Department of Neurosurgery, NIMHANS, Bangalore, was the invited faculty.

### 21.8 Other academic activities

**Dr BCM Prasad**,

1. Internal Examiner to the candidates of MCh, Neurosurgery examination at Andhra Medical College, Visakhapatnam during 22-23 July 2014.

2. Chair person - Dr B C M Prasad

National Conference on “Recent Trends in Physiotherapy” “PHYSIOSVIMS2014 at Tirupati” during 19-20 December 2014.

CME programme conducted by the Department of Radiology “ONCOIMAGING” on 21<sup>st</sup> December 2014 at Tirupati.

## 22.0 DEPARTMENT OF NUCLEAR MEDICINE

### Professor & Head

Dr T.C.Kalawat

### Faculty

Dr Manishi L Narayan  
Dr Ranadheer Gupta Mantri  
Dr Ravishwar Narayan

### MD PG Junior Residents

Dr V. Sai Krishna Mohan  
Dr Ramya Priya .R

### 22.1 Research work

#### Thesis work

#### Thesis submitted

1. Ravishwar Narayan. Role of Samarium-153 Ethylene Diamine tetra methylene phsophonate Radionuclide Bone pain palliation in patients with metastatic bone disease” (DNB Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, 2014.

#### Thesis work done in collaboration with other departments

#### Theses submitted

**Dr T.C. Kalawat**, is *Co-guide* for the following thesis

1. Sivanath. Prospective study of utility of 18-F FDG PET-CT in initial staging and response assessment of Locally Advanced Breast Cancer patients receiving NAC (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, 2014.
2. Bhargavi. A Prospective comparative study of bone marrow biopsy Vs. 18-F FDG PET in the evaluation of bone marrow involvement in lymphoma (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, 2014.
3. Bhargav Reddy KV. Correlation of MDP Bone scan with Sr. PSA in patient with Ca. Prostate (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, 2014.

4. Archana P. A Prospective study of comparison of functional imaging (18F Fluorodeoxyglucose Positron Emission Tomography-18F FDG PET CT) versus Anatomical imaging (contrast enhanced computed tomography-CECT) indosimetric planning for non-small cell Lung Cancer (NSCLC) (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences, 2014.
5. Ramprasad Reddy A. A Prospective study on assessment of post EPN kidney function by radio nuclear scan after initial conservative management (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
6. Radhakrishna, K. Prospective randomized study comparing Bill Roth–II with Braun anastomosis versus Roux-en-4 reconstruction after radical subtotal Gastrectomy for gastric cancer (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr M.Ranadheer Gupta**, is *Co-guide* for the thesis of

1. Bhavani Shankar G. A prospective study on analysis of the functional outcome of Anderson-hynes Pyeloplasty using DTPA Renography in patients with symptomatic pelviureteric junction obstruction (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

## 22.2 Conferences attended, lectures delivered:

**Dr T.C. Kalawat**, attended the following:

1. 12<sup>th</sup> Annual Conference Meeting conducted on “Evidence Based Management of Cancers In India” Oncologic Imaging: A Multidisciplinary Perspective during 27<sup>th</sup> February to 2<sup>nd</sup> March 2014 at Tata Memorial Centre, Mumbai.
2. 25<sup>th</sup> Annual conference of SNMI SC-2014, Organized by Kidwai Memorial Institute of Oncology, Bengaluru and Chaired a Scientific Session during 15–17 August 2014.
3. APSOGUS-2014, Conference organized by Ranga Raya Medical college, Kakinada delivered guest lectures on “Role of Nuclear Medicine in Urinary Tract Obstruction, advantages & Pit falls” and “Sm-153 EDTMP Radionuclide Therapy for Palliation of Bone pain in metastatic bone disease” during 15-16 November 2014.
4. Chaired a Scientific Session on “Knee joint Pain” in PHYSIO SVIMS-2014, organized by College of Physiotherapy (SVIMS), Tirupati on 19<sup>th</sup> December 2014.
5. Participated in a “Symposium on breast cancer”, in a CME on Onco Imaging, organized by Tirupati City Chapter of IRIA, AP State Chapter on 21<sup>st</sup> December, 2014.

**Dr Manishi L. Narayan**, attended the following:

1. All Inter Departmental CME's conducted at SVIMS in 2014.
2. CME on ‘Onco -Imaging’ organized by Indian Radiological Imaging Association (IRIA), AP State Chapter at Tirupati on 21<sup>st</sup> December 2014.

**Dr M. Ranadheer Gupta**, attended the following:

1. Indian College of Cardiology at Fortune Select Grand, Tirupati during 19 - 21 September 2014.
2. Annual SNMI Conference of Nuclear Medicine (India), held at Kolkata during 11 -14 December 2014.

## 22.3 Publications

1. Potham SK, Vaikakkakara S, Sachan A, Rao S PVLN, Kalawat TC, Ravi P, Sunil E, Rajitha D, Arun M, Sailaja A. Vitamin B12 levels are not affected by radioiodine ablation of the thyroid. *Endo Regul* 2014;48:77-85.
2. Swapna J, Ratnam SV, Jagannath Rao Naidu KV, Monica, Ranadheer M, Suresh P. Study of three different fractionation regimens in palliative radiotherapy for painful bone metastases. *J Clin Sci Res* 2014;3:90-6.
3. Rashmi P, Rajasekhar S, Narendra H, Manishi L Narayan, Kalawat TC, Shilpa K, Amitabh Jena. Carcinoma or Sarcoma of the Breast. *J Bas Clin Rep Sci* 2014;3:2.

## Original articles

1. Swapna J, Ratnam SV, Jagannath Rao Naidu KV, Monica, Ranadheer M, Suresh P. Study of three different fractionation regimens in palliative radiotherapy for painful bone metastases *J Clin Sci Res* 2014;3:90-6.
2. Rashmi P, Rajasekhar S, Narendra H, Manishi L Narayan, Kalawat TC, Shilpa K, Amitabh Jena. Carcinoma or Sarcoma of the Breast. *J Bas Clin Rep Sci* 2014;3:2.

## 22.4 CME conducted by the Dept.:

An half day Joint C.M.E was conducted by Department of Nuclear Medicine and Department of Radiology, SVIMS on 8<sup>th</sup> February 2014.

Dr Nilendu Purandare, Senior Consultant, Department of Nuclear Medicine and Bio-imaging, TATA Memorial Hospital, Mumbai, delivered Guest Lecturer in the CME on “Role of PET-CT in Head and Neck Cancer”. Also in the same CME programme.

Dr Khandelwal, HoD, Dept. of Radiology, PGI, Chandigarh delivered Guest Lecture on “Pediatrics Neuro infections”.



CME organized by Department of Nuclear Medicine, SGPGIMS, Lucknow during 12-13 April 2014, on the occasion of Silver Jubilee year celebration of the SGPGIMS and Chaired a Scientific Session.

#### **22.5 Other academic activities:**

Dr T.C. Kalawat, Professor & Head of the Department, SVIMS, was selected and assigned by Medical Council of India, to inspect a Medical Institution for starting MD Nuclear Medicine in their institution at Mumbai.

## **23.0 DEPARTMENT OF OBSTETRICS & GYNECOLOGY**

### **Professor & Head**

Dr P. Vijaya Lakshmi

### **Faculty**

Dr Meenakshi Jain  
Dr G. Kesava Chandra  
Dr Sree Gouri  
Dr J. Malathi

### **Residents**

Dr N. Geetha Rani  
Dr V.S. Hem

### **23.1 Conferences attended**

**Dr P. Vijayalakshmi**, attended the following

1. 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India, AMBICON 2014 on “Evolution of clinical chemistry laboratory” at Tirupati on 14<sup>th</sup> November 2014.
2. OBG Department (FOGSI), Government Maternity Hospital, Tirupati

### **23.2 CME**

**Dr P. Vijayalakshmi**, attended the following

1. A CME on Metabolic Syndrome was conducted on 26<sup>th</sup> April, 2014 at SVIMS by the Biochemistry department in collaboration with the Endocrinology department

2. A CME on Rational use of Blood Components was conducted on 11<sup>th</sup> October, 2014 at SVIMS by the department of Immuno Haematology & Blood Transfusion Medicine.
3. A CME on 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy Of Tropical Parasitology was conducted on 9<sup>th</sup> December, 2014 at SVIMS by the department of Microbiology.

### **23.3 Other academic activities**

**Intersting case discussions:** twice a week.

## **24.0 DEPARTMENT OF OPHTHALMOLOGY**

### **Assistant Professor & Head**

Dr K. Swathi

### **Residents**

Dr Vishnu Vahan Prasan

Dr P. Devika

Dr C. Jaya Gopal

### **24.1 Other academic activities**

**Interesting case discussions:** twice a week.

## **25.0 DEPARTMENT OF OTO RHINO LARYNGOLOGY**

### **Professor & Head**

Dr P. Subhash

### **Faculty**

Dr S.B. Amarnath

### **Senior Residents**

Dr V. Ravindranath Tagore

Dr G. Priyanka

### **25.1 Conferences attended**

Dr P. Subhash, attended the 22<sup>nd</sup> Annual National Conference of Medical Biochemists of India, AMBICON 2014 on “Evolution of clinical chemistry laboratory” at Tirupati on 14<sup>th</sup> November 2014

### **25.2 CME**

**Dr P. Subhash**, attended the following

1. A CME on Metabolic Syndrome was conducted on 26<sup>th</sup> April, 2014 at SVIMS by the Biochemistry department in collaboration with the endocrinology department

2. A CME on Rational use of Blood Components was conducted on 11<sup>th</sup> October, 2014 at SVIMS by the department of Immuno Haematology & Blood Transfusion Medicine.
3. A CME on 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy Of Tropical Parasitology was conducted on 9<sup>th</sup> Decembers, 2014 at SVIMS by the department of Microbiology.

### **25.3 Other academic activities**

Dr P. Subhash, attended the External examiner for Postgraduates in ENT in October 2014 at Vydehi Medical College, Bengaluru.



## 26.0 DEPARTMENT OF PAEDIATRICS

### Professor & Head

Dr A. Arumugam

### Residents

Dr V. Sudarsana Varma

Dr N. Lakshmanna

Dr. Snigdha Reddy

### 26.1 CME

**Dr V. Sudarsana Varma**, attended the following

1. A CME on Rational use of Blood Components was conducted on 11<sup>th</sup> October, 2014 at SVIMS by the department of Immuno Haematology & Blood Transfusion Medicine.

2. A CME on 1<sup>st</sup> Andhra Pradesh State Chapter Conference of Indian Academy of Tropical Parasitology was conducted on 9<sup>th</sup> December, 2014 at SVIMS by the Department of Microbiology.

### 26.2 Other academic activities

**Intersting case discussions:** twice a week.

## 27.0 DEPARTMENT OF PATHOLOGY

### Professor & Head

Dr T.Asha

#### Faculty

Dr B.V. Phaneendra  
Dr K. Radhika  
Dr N. Rukmangadha  
Dr Rashmi Patnayak  
Dr Amit Kumar Chowhan  
Dr J. Rajitha  
Dr C.Sushma

#### Tutor cum PG Junior Residents

Dr K. Sameera  
Dr V.R. Rajasekhar Sanuvada  
Dr Elugoti Divya  
Dr M. Alekhya  
Dr Y.C. Spoorthy Rekha  
Dr Praveen C.S.

### 27.1 Awards, achievements and felicitations.

1. **Dr Rashmi Patnayak**, Assistant Professor, Department of Pathology, Presented on award paper on “Utility of Immuno histochemistry in demonstrating Helicobacter pylori” and got **3<sup>rd</sup> Prize** in “*Ganne Subbalakshmi Endowment Award for Young Scientist*” - 32<sup>nd</sup> IAPM AP State Chapter conference 2014 at S.V.S. Medical College, Mahabubnagar during 12 - 14 September 2014.
2. **Dr S.V.R. Raja Sekhar**, Junior Resident, Postgraduate student in MD (Pathology) was awarded “*Professor Ranjendra Prasad Award*” best paper in Neuro-allied Specialities in 21<sup>st</sup> annual conference of the Andhra Pradesh Neuroscientists Association AP NEUROCON 2014 at SVIMS during 21-22 June 2014.
3. **Dr K. Sameera**, Junior Resident, Postgraduate student in MD (Pathology) got **1<sup>st</sup> Prize in “Quiz”** in CME on Central Nervous system infections, Organised by Department of pathology 2014 at SVIMS on 26<sup>th</sup> October.
4. **Dr K. Sameera**, Junior Resident, Postgraduate student in MD (Pathology) got **1<sup>st</sup> Prize** in Poster of Allied Specialty in “*AP NEUROCON -2014*” at SVIMS on 22<sup>nd</sup> June 2014.

### International

1. Dr K. Radhika, Associate Professor, Department of Pathology, as a speaker for Workshop on CNS/CSF from 38<sup>th</sup> European Cytology congress 14 held at Geneva, Switzerland during 26-30 September 2014.

### 27.2 Research projects

#### Ongoing Research projects

#### National

1. **Principal Investigator:** Dr Amit Kumar Chowhan, **Title:** Usefulness of a-Methylacyl CoA racemase (AMACR /P504S) / p63 Cocktail for the detection of Prostate Carcinoma.
2. **Principal Investigator:** Dr Rashmi Patnayak **Title:** Utility of Immunostain for Helicobacter Pylori in cholecystitis and Role of Androgen receptors in carcinoma breast.

### 27.3 Research work:

#### Thesis work

#### Thesis submitted

1. **Raja Sekhar S.V.R.** Value of HBME-1, Cytokeratin-19 and Galectin-3 Immunostaining in the diagnosis of thyroid neoplasm (MD Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

2. **K. Sameera.** Expression of p53 and EGFR in Glioblastoma Multiforme. (MD Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### Ongoing Thesis work

1. **Spoorthy Rekha Y.C.** Immuno cytochemical expression of p16, HPV16 and Ki-67 on Pap smears in squamous intraepithelial lesions and cervical cancer (MD Thesis).
2. **Alekhyia M.** Immunohistochemistry in differential diagnosis of Non small cell lung carcinoma on small lung biopsies (MD Thesis).

### Thesis work carried out in collaboration with other departments

#### Thesis submitted

**Dr K.Radhika**, was *Co-Guide* for the following thesis

1. Surya Prakash Reddy C. A prospective observational study on effectiveness of prognostic factors influencing disease free survival in Renal cell carcinoma (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Ganesh A. Comparison of prevalence and pathological characteristics of prostate cancer between patients with PSA Levels of 2.6 to 4ng/ml and those with PSA> 4ng/ml with benign prostatic examination (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Abdul Ameen M. Outcome and management of spinal tuberculosis according to severity at a tertiary referral (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr Rashmi Patnayak**, was *Co-Guide* for the thesis

1. Srinivasa Rao B. Comparative analysis of two different dose fractionated regimens of High dose rate brachy therapy in treatment of carcinoma of uterine cervix (MD Thesis).

Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### Ongoing thesis

**Dr T. Asha**, is *Co-Guide* for the following theses

1. Sindhuja K. An evaluation of Non – Infectious adverse reactions following blood transfusion at a tertiary care teaching hospital i.e SVIMS, Tirupati (MD Thesis).
2. Himaja. Utility of portable colposcope in women with unhealthy cervix (MD Thesis), Department of Gynaecology and Obstetrics, SVMC, Tirupati.

**Dr B.V. Phaneendra**, is *Co-Guide* for the thesis

1. Swathi. Utility of serum total prostate specific antigen and free prostate specific antigen measurements in combination with serum CA15-3 and Serum CEA in breast tumours (MD Thesis).

**Dr K. Radhika**, is *Co-Guide* for the following theses

1. Archana P. A prospective study of comparison of functional Imaging PET CT versus Anatomical Imaging in tumor volume delineation of non small cell lung cancers (MD Thesis).
2. Lokesh Kumar J. Diagnosis of Renal malignancies on small needle biopsies (MCh Thesis).

**Dr N. Rukmangadha**, is *Co-Guide* for the following thesis.

1. Khaja Naseeruddin VS. Differentiation of typical from atypical and malignant meningioma (MD Thesis).
3. Ramana Reddy N. A prospective study of prevalence, pattern and risk pattern of lymphnodal metastasis in FIGO Stage 1 and II epithelial carcinoma of the ovary (MCh Thesis).

**Dr Rashmi Patnayak**, is *Co-Guide* for the thesis

1. Chaitanya DSJ. Diagnostic Accuracy of MRI in staging Uterine Cervical Carcinoma with

Surgical and Histopathological correlation (MD Thesis).

**Dr Amit Kumar Chowhan**, was *Co-guide* for the thesis

1. Jayasree K. A domestic comparison of intensity modulated radiotherapy versus three dimensional conformal radiotherapy of chest wall in post mastectomy breast cancer patients (MD Thesis).

#### **27.4 Conference attended, lectures delivered**

**Dr T. Asha**, attended the following

1. Participated PG Workshop on Special Stains-2014 at SVIMS during 14-15 February 2014
2. Mid term CME – AP State chapter of IAPM as chairperson in “Renal Pathology” at NRI Medical College, Chinnakakani, Guntur on 16<sup>th</sup> March 2014.
3. AP Neurocon – 2014 as Chairperson at SVIMS on 22<sup>nd</sup> June 2014.
4. CME in Gastro Intestinal Pathology at Sri Devaraj Urs Medical College, Kolar on 28<sup>th</sup> June 2014.
5. CME on “Rational use of Blood” organized by the Department of Immuno Hematology and Blood Transfusion, SVIMS on 11<sup>th</sup> October 2014.
6. CME on Paediatric Oncology Organised by Department of Medical Oncology on 1<sup>st</sup> November 2014.
7. 55<sup>th</sup> Annual Conference, Haematocon 2014 of Indian Society of Haematology and Blood transfusion at Hyderabad during 6-8 November 2014.
8. AMBICON 2014 22<sup>nd</sup> Annual National Conference of Association Medical Biochemists of India, SVIMS Tirupati during 14-16 November 2014.

**Dr K. Radhika**

#### **International**

Attended Workshop on CNS/CSF from 38<sup>th</sup> European Cytology Congress 14 held at

Geneva, Switzerland during 26-30 September 2014 and delivered a invited lecture.

#### **National**

1. CME on Her2 receptor in Breast carcinoma organised at HCG Hospital, Bangalore on 19<sup>th</sup> June 2014.
2. Participated in ‘Workshop in Medical Education Technology’ conducted by the Medical Education Technology Unit, SVIMS on 27<sup>th</sup> July 2014.
3. CME on Inflammatory Bowel Disease at Meenakshi Institute of Medical Sciences at Kanchi on 18<sup>th</sup> October 2014.
4. CME on “Rational use of Blood” organized by the Department of Immuno Hematology and Blood Transfusion, SVIMS on 11<sup>th</sup> October 2014.
5. 55<sup>th</sup> Annual Conference of ISHBT participated in Haematocon 2014 and chaired a session as Judge for oral presentation / Plat form presentations held at Ramoji film city, Hyderabad during 6-8 November 2014 and Workshop on 9<sup>th</sup> November 2014

**Dr N. Rukmangadha**, attended the following

1. CME on Cytopathology held at Madras Medical College at Chennai on 29<sup>th</sup> March 2014.
2. CME on Metabolic Syndrome at SVIMS on 26<sup>th</sup> April 2014.
3. AP Neurocon 2014 – 21<sup>st</sup> Annual Conference of the AP neuroscientists association during 21- 22 June 2014.
4. CME in Gastro Intestinal Pathology on at Sri Devaraj URS Medical College, Kolar 28<sup>th</sup> June 2014.
5. CME on “Rational use of Blood” organized by the Department of Immuno Hematology and Blood Transfusion, SVIMS on 11<sup>th</sup> October 2014.
6. CME on Inflammatory bowel disease at Meenakshi Medical College and Research Institute, Kanchi on 18<sup>th</sup> October 2014.



7. AMBICON-2014 22<sup>nd</sup> Annual National Conference of Association Medical Biochemists of India, SVIMS Tirupati during 14-16 November 2014.
8. Attended IAPM conference APCON 2014 and presented a poster on “Crescents in Renal Biopsy – A Clinicopathological Study”.

**Dr Rashmi Patnayak**, attended the following

1. International CME and National Congress of Academy of Pathology, hosted by MVJ College and Research Hospital, Hoskote and presented a poster on “Carcinoma or Sarcoma of the Breast” at Bangalore during 6-8 February 2014.
2. CME on Metabolic Syndrome at SVIMS on 26<sup>th</sup> April 2014.
3. Presented CPC in AP Neurocon 2014 – 21<sup>st</sup> Annual Conference of the AP neuroscientists association during 21-22 June 2014.
4. CME in Gastro Intestinal Pathology at Sri Devaraj Medical College, Kolar on 28<sup>th</sup> June 2014.
5. Workshop on Medical Education Technology at SVIMS on 27<sup>th</sup> July 2014.
6. CME in IAESCON, Poovar at Kerala during 10–12 October 2014.
7. CME on Paediatric Oncology Organised by Department of Medical Oncology on 1<sup>st</sup> November 2014.

**Dr Amit Kumar Chowhan**, attended the following

1. Mid-term CME of Andhra Pradesh State Chapter of IAPM on ‘Renal Pathology’ at NRI Medical College, Guntur on 16<sup>th</sup> March 2014.
2. ‘CME on Cytopathology’ at Madras Medical College, Chennai, on 29<sup>th</sup> March 2014.
3. CME on ‘Metabolic Syndrome’ at SVIMS, Tirupati on 26<sup>th</sup> April 2014.
4. XXI Annual Conference of the AP Neuroscientist Association ‘AP

NEUROCON-2014’ at SVIMS during 21-22 June 2014.

5. CME on ‘Gastrointestinal Pathology’ at Sri Devraj Urs Medical College, Kolar on 28<sup>th</sup> June 2014.
6. Attended ‘Zonal CME on Pathology’ at Eluru Medical College, Eluru on 27<sup>th</sup> July 2014 and delivered a Guest lecture on ‘Neoplasms of Central Nervous System’.
7. CME on “Rational use of Blood” organized by the Department of Immuno Hematology and Blood Transfusion, SVIMS on 11<sup>th</sup> October 2014.
8. CME on ‘Inflammatory Bowel Disease’ at Meenakshi Medical College & Research Institute, Enathur, Kanchipuram on 18<sup>th</sup> October 2014.
9. Organised CME on Central Nervous System Infections jointly organized by the Department of Pathology & Microbiology, SVIMS on 26<sup>th</sup> October 2014.
10. CME on Paediatric Oncology Organised by Department of Medical Oncology on 1<sup>st</sup> November 2014.

## 27.5 Presentation by Postgraduates

32<sup>nd</sup> Annual Conference of IAPM, AP State Chapter, and at S.V.S, Medical College at Mahaboobnagar during 13-15 September 2014.

1. Dr K Sameera, presented an award paper on “Expression of p53 and EGFR” in Glioblastoma.
2. Dr M. Alekhya, presented a paper on “Dual Malignancies”
3. Dr Y.C. Spoorthy Rekha, presented paper titled “Histopathological patterns on Cervical Cancers”
4. Dr E.Divya, presented a poster on “Glandular Cardiac Myxoma of Left Atrium: An uncommon tumor”
5. Dr C.S.Praveen, presented a poster titled “Primary Malignant melanoma of Ovary”

55<sup>th</sup> Annual Conference, Haematocon 2014, of Indian Society of Haematology and blood transfusion at Hyderabad during 6-8 November 2014

1. Dr Sameera.K, presented a Poster on “Role of Bone Marrow histopathology as compared to aspiration in the diagnosis of Tuberculosis”.
2. Dr M. Alekhya, presented posters on “Leukemia and lymphomas infiltration of bone marrow – Study at a tertiary care centre in South India” and
3. Dr Y.C.Spoorthy Rekha, presented poster “A pilot study of Myeloma over 3.5 yrs.”
4. Dr S.V.R. Raja Sekhar, presented a poster on “A Case of Mono – Ostotic Pagets Disease” on 6<sup>th</sup> November 2014 .

#### **In AP Neurocon 2014 at SVIMS Tirupathi**

Dr M. Alekhya, presented a poster on “Prognostic factors in Malignant Astrocytoma”

#### **Publications**

1. Chowhan AK, Sreedhar Babu KV, Sachan A, Rukmangadha N, Rashmi Patnayak, Radhika K, Phaneendra B.V, Kumaraswamy Reddy M. Should We Apply Suction During Fine Needle Cytology of Thyroid Lesions? A Prospective Study of 200 Cases. *J Clin Diag Res* 2014;8:19-22.
2. Ananta Satya Narayana M, Rashmi Patnayak, Rukmangadha N, Amit Kumar C, Radhika K, Phaneendra BV. Cutaneous metastasis of transitional cell carcinoma of the urinary bladder: Cytological aspect. *J Cytol* 2014;31:50-2.
3. Patnayak R, Rajasekhar S, Narendra H, Narayan ML, Kalawat TC, Silpa K, Jena A. Carcinoma or Sarcoma of the breast. *J Basic Clin Reprod Sci* 2014; 3:121-5.
4. Patnayak R, Jena A, Rukmangadha N, Lakshmi AY, Chandra A. Well – differentiated fetal adenocarcinoma (WFA) of lung in an adult male. Report of an unusual tumor with a brief review of literature. *J Can Res The* 2014;10:419 -21.
5. Patnayak R, Jena A. Art and science of publication. *Indian Dermatol Online J* 2014; 5:352.
6. Patnayak R, Jena A. Rejection of a manuscript: The other side of the story. *Indian J Med Microbiol* 2014;32:350-1.
7. Patnayak R, Jena A, Vamsi NR, Bhargavi D. Who will bell the cat? *Indian J Med Paediatr Oncol* 2014;35:122.
8. Patnayak R, Jena A, Lakshmi AY, Subramanian S. Multilocular cystic nephroma. An uncommon entity. *Med J Dy Patil Univ* 2014;7: 409-10.
9. Patnayak R, Jena A, Chowhan AK, Rukmangadha N, Kumar V.S. utility of left-over renal tissue for light microscopy after immunofluorescence. *Indian J Nephrol* 2014; 24:68.
10. Harikrishna J, Raga Deepthi B, Arun Raja V, Suneetha P, Chowhan AK, Vijaya Lakshmi Devi B, Abha Chandra, Mohan A. Horner’s syndrome due to Pancoast tumour. *J Clin Sci Res* 2014;3:150-2.
11. Rama Krishna G, Sandeep P, NageshKumar S, Rukumangadha N, Chowhan AK, Suchitra MM, Ram R, Vengamma B, Siva Kumar V. Hypokalaemic paralysis due to Sjögren’s syndrome. *J Clin Sci Res* 2014;3:251-6.
12. Jena A, Patnayak R, Anil Kumar N, Chowhan AK, Vijaylakshmi Devi B, Lakshmi A.Y. Potpourri testicular tumour – combination of seminoma, teratoma and yolk sac tumour of testis in a young adult male. *J Clin Sci Res* 2014;3:257-60.
13. Sanuvada RV, Chowhan AK, Rukmangadha N, Patnayak R, Yootla M, Amancharla LY. Thyrolipomatosis:an inquisitive rare entity. *Gland Surg* 2014;3:E6-E9.
14. Patnayak R, Jena A, Chowhan AK, Rukmangadha N, Kumar VS. Utility of left-

over renal tissue for light microscopy after immunofluorescence. Indian J Nephrol 2014;24:68.

15. Latheef SAA, Radhika K, Subramanyam G. Histopathological changes due to the effect of selenium in Experimental cockerels. Indian J Med Res 2014;139:927-32.

#### **27.6 CMEs/Seminars/Workshops/Orations conducted**

1. Conducted a workshop on special stains 'PGWSS 2014' on 14th & 15th February 2014 by Department of Pathology. Postgraduate Workshop on Special Stains (PGWSS)-2014 during 14-15 February at SVIMS, Tirupati.

Dr K.Radhika delivered a lecture on Special Stains PAS (Periodic Acid Schiff)

Dr N.Rukmangadha delivered a lecture on Special Stains Reticulin.

Dr Rashmi Patnayak delivered a lecture on Special Stains Alcian Blue.

Dr Amit Kumarn Chowhan delivered a lecture on "Special Stains Vangeson".

2. Dr Aruna K.Prayaga, Professor & HOD, Department of Pathology, Nizam's Institute of Medical Sciences, Hyderabad – Delivered a Guest Lecture on Molecular classification of Breast Cancer on 24<sup>th</sup> February 2014 and

Role of Cytology in diagnosing lung malignancy on 25<sup>th</sup> February 2014.

3. Dr K.S.Ratnakar, , Director, Global Medical Education, Hyderabad – Discussion with slides on Ophthalmic Pathology on 8<sup>th</sup> March 2014 in Department of Pathology, SVIMS.
4. Conducted CME on "Central Nervous System Infections" organized by Department of Pathology and Microbiology on 26<sup>th</sup> October 2014.

#### **27.7 Other academic activities.**

##### **Dr T.Asha**

1. Life Membership in Andhra Pradesh Neuro Scientist's Association
2. Organized, Basic Workshop on Medical Education Technology on 27<sup>th</sup> July 2014 SVIMS.
3. Organized Quiz in "4<sup>th</sup> ISHBT National Hematology Quiz Competition As part of the 55<sup>th</sup> Annual Conference Indian Society of Hematology and Blood Transfusion during 6-8<sup>th</sup> November 2014 at Hyderabad by Dr T.Asha, Dr Rashmi Patnayak and Dr Amit Kumar Chowhan.

#### **4.Reviewer of articles in national and international journals.**

**Dr N.Rukmangadha:** received Special training in Renal Pathology at CMC Vellore.

## **28.0 DEPARTMENT OF PHARMACOLOGY**

### **Professor & Head**

Dr B. Santhamma

### **Faculty**

Dr K.R. Subash

Dr K. Vijaya Chandra Reddy

Dr Chenga Reddy

### **28.1 CME**

**Dr K.R. Subash**, attended the “Holistic approach towards Rheumatoid Arthritis” at Sri Padmavathi Medical College for Women, SVIMS Tirupati, Andhra Pradesh.

### **28.2 Publications**

1. Subash KR. Likes and dislikes - A questionnaire based analysis and feed back from medical school learners. Int J Pharm Res 2014;4: 173-5.

### **28.3 Other academic activities**

**Interesting case discussions:** twice a week



## 29.0 DEPARTMENT OF PHYSIOLOGY

### Professor & Head

Dr G.Parvathi

#### Faculty

Dr N. Sharvani  
Dr Razia Sultana  
Dr Arpana Bhide  
K. Swathi

#### Tutors

K. Muni Sekhar  
K. Pujitha  
Dr K. Divya  
M. Hari Priya

### 29.1 Research Work

#### Dissertation work

#### Dissertation submitted(MSc Dissertation)

1. Indra Kumar. Orthostatic Hypertesion: Sri Venkateswara Institute of Medical Sciences, 2014.
2. Pravellika. Study of PFT in women exposed to Biomass fuel : Sri Venkateswara Institute of Medical Sciences, 2014.

### Ongoing Dissertation work(MSc Dissertation)

1. Smitha. Compatison of  $VO_2$  MAX in physiology active and sedentary women.
2. Suresh. Changes in lipid profile, blood glucose, blood pressure in obese and non obese subjects.

### 29.2 Publications

1. Pujitha K, Parvathi G, Muni Sekhar K. Postural changes in heart rate and blood preasure aging India a Journal of Physiotherapy 2014; 2:751-6

## 30.0 DEPARTMENT OF RADIO DIAGNOSIS

### Professor & Head

Dr A.Y. Lakshmi

#### Faculty

Dr B. Vijayalakshmi Devi

Dr S. Sarala

Dr Silpa Kadiyala

#### Senior Residents

Dr Pavankumar G. Kale

Dr T. Sreeshma

Dr C. Supraja

#### Tutor cum PG Junior Residents

Dr Ch. Anil

Dr B. Surya Rekha

Dr Khaja Naseeruddin V.S

Dr DSJ. Chaitanya Deep

Dr T. Kartheek

Dr Poonam Agarwal

### 30.1 Awards, achievements and felicitations

**Dr Khaja Naseeruddin**, Junior Resident, Postgraduate student in MD (Radio-diagnosis) was awarded **2<sup>nd</sup> prize** in poster presentation on "Role of Computed Tomography in Evaluation and Prediction of Outcome in Traumatic Brain Injury" (A.P. Neurocon 2014) at Tirupati during 21-22 January 2014.

### 30.2 Research Work

#### Thesis work

#### Thesis submitted

1. Anil Ch. Sonourethrography in Evaluation of Anterior Urethral Abnormalities and Comparison with Retrograde Urethrography (DNB Thesis) Tirupati : Sri Venkateswara Institute of Medical Sciences; 2014.
2. Supraja C. MRI in the diagnosis and Pre operative Classification of perianal and Anal fistulas. (DNB Thesis) Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Surya Rekha B. Comparison between delayed post contrast flair imaging with other MRI sequences in detecting leptomeningeal disease (DNB Thesis).
2. Khaja Naseeruddin US. Differentiation of Typical from Atypical and Malignant Meningioma (MD Thesis).

3. Chaitanya Deep DSJ. Diagnostic accuracy of MRI in staging uterine cervical carcinoma with surgical and Histopathological Correlation (MD Thesis).

#### Thesis work carried out in collaboration with other departments

#### Theses submitted

**Dr A.Y. Lakshmi**, is *Co-guide* for the following theses

1. Revanth Kumar Reddy. A prospective study to assess the function of spinal accessory nerve and internal jugular vein patency in modified Radical Neck dissection II ( nerve and brain sparing) in oral squamous cell carcinomas (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Ravikumar BV. Comparative study of minimally invasive lumbar disectomy procedures and open disectomy based on clinical out come, muscle injury markers and imaging changes (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Jayasree K. A dosimetric comparison of intensity modulated Radiotherapy verses three dimensional Radiotherapy of chest wall in post mastectomy breast carcinoma patients (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

4. Swathi P. Utility of serum total prostate specific antigen and free prostate specific antigen measurements in combination with serum CA15-3' and serum CEA in breast tumours (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
5. Sateesh. To the oxidant and antioxidant markers in breast cancer (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
6. Pallavi M. Association between T2DM and non alcoholic fatty liver disease: Role of Adipokines and endotoxins (PhD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
7. Vamidhar. Correlation of NT PRO BNP levels with severity of acute pulmonary embolism (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr B. Vijayalakshmi Devi**, was *Co-guide* for the following theses

1. Siva Subramanyam. Clinical, Radiological and functional evaluation of Surgical treatment in degenerative lumbar canal surgical treatment n degenerative lumbar canal stenosis (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Ramana Reddy N. A prospective study of prevalence, pattern and risk factors of lymphnodal metastasis in FIGO stage I and II epithelial Ca. of ovary (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Shyam Sundar. Evaluation of PCNL using Guy stone-scale and Glevengrading scoring system (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr Sarala S**, was the *Co-guide* for the following theses

1. Shalini. Relationship between Hyperprolactinemia and Hyper androgenism and Polycystic Ovarian Syndrome (DM Thesis).

Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

2. Archana P. A prospective comparative study of functional Imaging (PET CT) Vs Anatomical Imaging (CECT) in dosimetric planning of Non small cell lung cancer (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

**Dr Silpa Kadiyala**, was the *Co-guide* for the following theses

1. Sivanath Reddy GV. A prospective study of utility of (I8F) fluoro deoxyglucose positron Emission Tomography / Computed Tomography in the initial staging and response assessment of locally advanced breast cancer patients receiving neoadjuvant chemotherapy (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Balambika R.E. Risk factor profile for cancer associated venous thromboembolism and prediction of high risk patients to optimize thromboprophylaxis (DM Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 30.3 Conferences attended, lectures delivered

**Dr A.Y. Lakshmi**, attended the following

1. A work Shop on "KMC Academy Radiological Education KARE – 2014" and Advanced MRI Work shop held at Chennai during 10-11 May 2014.
2. Society for Emergency Radiology Chandigarh (SERC) and presented a lecture on "Imaging in Urinary Tract Trauma" held at Chandigarh during 29-31 August 2014.
3. Participated as chairperson in CME on "Onco Imaging CME" IRIA state chapter and chaired a session on Symposium on Breast Imaging held at Tirupati on 21<sup>st</sup> December 2014.

**Dr B. Vijayalakshmi Devi**, attended the following

1. Work Shop on KMC Academy Radiological Education KARE – 2014 and Advanced MRI Work shop held at Chennai during 10-11 May 2014.
2. Neuro-Radiology film Reading session in “AP Neurocon” held at Tirupati on 22<sup>nd</sup> June 2014.
3. Scientific Committee Chairperson of CME on “Onco-Imaging” - IRIA state chapter and delivered lecture on ‘Imaging in Oral cavity malignancy’ held at Tirupati on 21<sup>st</sup> December 2014.
4. Radiology Weekly Quiz during 2014.

**Dr S Sarala**, attended the following

1. Organizing Committee Member of CME on “Onco-Imaging” - IRIA state chapter and delivered lecture on “Imaging Approach to malignant Liver tumours” held at Tirupati on 21<sup>st</sup> December 2014.
2. “International day of Radiology” and delivered a guest lecture on “Role of SWI in Neuroimaging” held at Kurnool Medical College on 8<sup>th</sup> November 2014.
3. Indian Society of Neuro Radiology (ISNR-2014) and presented a poster on “The usefulness of Susceptibility weighted Imaging in Evaluation brain pathologies” held at New Delhi during 9-12 October 2014.
4. “Onco Imaging” held at Bangalore during 21-23 March 2014.
5. Indian Society of Paediatric Radiology (ISPR) held at Christian Medical College, Vellore during 12-13 September 2014.

**Dr Silpa Kadiyala**, attended the following

1. 11<sup>th</sup> Ramachandra Advanced Radiology Education (RARE) conference and conducted workshop on “Gastro Interstitial Radiology” held at Sri Ramachandra University, Chennai during 12-16 February 2014.
2. a Work Shop on “Breast Imaging Update” (BIIP) held at Chennai during 1-2 August 2014.

3. C.M.E on “Basics and beyond in breast disease” and delivered a lecture on “Imaging of benign breast diseases” held at Chennai on 14<sup>th</sup> September 2014.
4. Organising Committee Member of CME on “Onco-Imaging” - IRIA state chapter held at Tirupati on 21<sup>st</sup> December 2014.

### **30.4 Presentations by postgraduate students**

A.P. Neurocon 2014 at Tirupati during 21-22 January 2014

1. Khaja Naseeruddin U.S. Presented a poster on “Role of Computed Tomography in Evaluation and Prediction of Outcome in Traumatic Brain Injury”.
2. Chaitanya Deep D.S.J, presented a poster on “Magnetic Resonance Imaging in spinal canal tumours and correlation with Histo-pathology”

IRIA Vijayawada Chapter – 2014 at Vijayawada on 23<sup>rd</sup> August 2014

1. Khaja Naseeruddin VS. Presented a poster on “Role of Multi-detector Tomography in Evaluation of Blunt Abdominal Trauma”.
2. Chaitanya Deep DSJ. Presented a poster on “CT Angiography of Intracranial Aneurysms with Emphasis on 3D-Volume rendering techniques. A pictorial assay”.
3. Surya Rekha B. Presented a poster on “1.5T MRI in shoulder Derangement”

### **30.5 Publications**

1. Patnayak R, Jena A, Lakshmi AY, Subramanian S. Multilocular cystic nephroma: an uncommon entity. Medical J Dr D.Y.Patil University 2014;7:409-10.
2. Kale PG, Prasannavadana RV, Lakshmi AY, Satyanarayan B, Sivakumar V. Haemodialysis Arteriovenous Fistula Maternity Evaluation by Grey scale Ultrasonography and Color Doppler. Organ dysfunction & Management 2014 : 1:44.
3. Sanuvada RV, Chowhan AK, Rukmangadha N, Patnayak R, Yootla M, Amancharla LY. Thyrolipomatosis: an inquisitive rare entity. Gland Surg 2014;3:E6-E9.



4. Amitabh Jeena, Rasmipatnaik, N.Anil Kumar, Amit Kumar Chowhan, B.Vijayalakshmi Devi, A.Y.Lakshmi – Pot Pourri testicular tumour - combilation of seminora, teratoma and Yolk sac tumour of testis in a young male - case report - J Clin Sci Res 2014;3;257-60.
5. Alladi Mohan Sujay Sada B Siddartha Kumar KVS Sarma BVijayalakshmi Devi PVLN Srinivasa Rao D Rajasekhar DT Katyarmal Subclinical atherosclerosis in patients with rheumatoid arthritis by utilizing carotid intima-media thickness as a surrogate marker. Indian J Med Res 2014;140:379-86.
6. Manjusha Yadla Sriramnaveen Parvithina Krishna Kishore Chennu Sandeep Reddy A V S S N Sridhar B Vijayalakshmi A Y Lakshmi Tek ChandKalawat V Sivakumar – A Clinical study of bilateral non-obstructive acute pyelonephritis with acute kindney injury in patients of type 2 diabetes mellitus. Saudi J Kidney Dis Transpl 2014:Mar 25;338-42.
7. Kadiyala Silpa, Gavini S, Sarala S,Venkataramireddy, Devi BVL, Lakshmi AY. Biliary Cystadenoma masquadering as hydatid cyst. Int J Med Appl Sci 2014;3: 84-6.
8. Rashmi Patnayak, S Rajasekhar, H Narendra, Manishi L Narayan, TL Kalawat, K Silpa, Amitabh Jena. Carcinoma or sarcoma of the breast. J of basic and Clinical reproductive sciences 2014;3;37-41.

### 30.6 CMEs / Seminars/ workshops orations conducted

Joint CME organized by Dept of Radiology and Nuclear medicine on Neuro-Imaging at Padmavathi auditorium , SVIMS , Tirupati on 8<sup>th</sup> February 2014.

### 30.7 Other academic activities

1. A guest lecture by Dr Asokan, Consultant, Christ Hospital, Illenois, USA on “TAVI – TAVR, Aortic Aneurysm” on 8<sup>th</sup> January 2014.
2. A guest lecture by Dr Asokan, Consultant, Christ Hospital, Illenois, USA on “Acute Pelvic Pain” on 1<sup>st</sup> September 2014.
3. A guest lecture by Dr Murthy, Senior Staff interventional radiologist, Childrens hospital at West mead and Gosferd hospital, Australia, on “Paediatric Emergencies” on 15<sup>th</sup> September 2014.
4. A guest lecture by Dr Kakarla Subba Rao, Emeritus Professor, Radiology on “Film reading session” on 22<sup>nd</sup> December 2014.

## **31.0 DEPARTMENT OF RADIOTHERAPY**

### **Professor & Head**

Dr C.M. Gopalakesari

### **Faculty**

Dr B.V. Subramanian

Dr Pranabandhu Das

Dr Swapna J

### **Lecture in Radiological Physics**

J. Lavanya

S. Balaraju

J. Anitha Kumari

A. Srinivasa Raghava

N. Sangeetha

### **MD PG Junior Residents**

Dr K.V.L. Anusha

Dr B. Sreenivasa Rao

Dr T. Kartheek

Dr Archana

Dr K. Jayasree

Dr B. Revathi

Dr M. Hemanth

### **31.1 Research work**

#### **Thesis work**

#### **Theses submitted**

1. Dr V.L. Anusha Konakalla. A comparative analysis of weekly cisplatin versus three weekly cisplatin in cancer of uterine cervix (MD Thesis), Tirupati. Sri Venkateswara Institute of Medical Sciences: 2014.
2. Dr Sreenivasa Rao B. A comparative analysis of different dose fraction regimen in HDR Intracavitary brachytherapy in treatment of carcinoma of uterine cervix. (MD Thesis), Tirupati. Sri Venkateswara Institute of Medical Sciences: 2014.

#### **Ongoing thesis work**

1. Dr P. Archana, A prospective study of comparison of functional imaging (18F-FDG) PET-CT versus anatomical imaging (contrast enhanced to mography – CECT) in dosimetric planning for Non small cell lung cancer (NSCLC).
2. Dr Jayasree K. A dosimetric compare sion of intensity modulated Radiotherapy verses three dimensional Radiotherapy of chest wall in post mastectomy breast carcinoma patients.

#### **Thesis work carried out in collaboration with other departments**

**Dr Swapna jilla**, is Co-guide for the thesis of

1. Balaji. MGMT methylation status and its efficacy in glioblastoma patients treated with temozolomide and Radiotherapy (MCh Thesis).

### **31.2 Conferences attended, lectures delivered:**

#### **Dr.B.V.Subramanian attended**

#### **International**

- 1) AROI –ESTRO workshop and advanced technology course on IMRT and IGRT in Chennai during 19-22 October 2014.

**Dr Swapna jilla** attended

#### **International**

- 1) AROI-ESTRO advanced technology course on IMRT and IGRT conducted in Cancer Institute Chennai during 19 -22 October 2014.

#### **National**

CME conducted by SVIMS for PHC doctors on 3<sup>rd</sup> February 2014 and delivered a lecture On cervical cancer screening and prevention .

**Dr Pranabandhu Das**, attended the following

1. Breast Oncology 2014 conference at Kochi during 6 - 8 March 2014 presented a poster on Retrospective study on Breast conservation therapy – SVIMS Experience.
2. Delivered a guest Lecture on “Radiotherapy in Breast Cancer” in the conference IRICON 2014 at Hotel Frortune Kences, Tirupati on 21<sup>st</sup> December 2014.

### 31.3 Presentation by post graduates

1. Dr V.L.Anusha Konakalla presented paper on “The Retrospective study of different brachytherapy schedules in patients of carcinoma cervix YROC” at Vishakapatnam during 4- 5 January 2014, Tirupati.
2. Dr Jayasree K. presented “A case of papillary thyroid cancer presented with malignant pleural effusion: An unusual presentation at “Young Radiation Oncologist conference” at Visakhapatnam on 3<sup>rd</sup> January 2014.
3. Dr P. Archana presented poster on “Choroidal metastasis in a known and treated case of Ca hypopharynx” in young radiation oncologist conference YROC 2014 at Vizag during 4-5 January.

### 31.4 Publications

1. Das P. Gunaseelan K. Basu D, Ananthakrishnan R. Reddy KS. A rare case of primary vaginal ewing’s sarcoma/primitive neuroectodermal tumour: diagnostic and treatment challenges. J Clin Sci Res 2014;3:145-9.
2. Swapna Jilla, S.V.Ratnam, K.V.Jagannath Rao Naidu, Monica, M.Ranadheer, P.Suresh. Study of three different fractionation regimens in palliative radiotherapy for painful bone metastases J Clin Sci. Res. 2014;3:90-6.

### 31.5 CMEs/Seminars/Workshop/Orations conducted by the department

CME conducted on Pediatric Oncology at SVIMS Auditorium on 1<sup>st</sup> November 2014.

### 31.6 Other academic activities

1. Dr Swapna jilla delivered the following guest lectures to increase the awareness

On creating awareness in Breast cancer screening on 4th February 2014 (world cancer day) at S.V.Woman’s degree college.

On creating awareness in Breast cancer and cervical cancer screening and awareness on 8th March 2014 on the eve of womens day at S.V. Engineering College.

## 32.0 DEPARTMENT OF SURGICAL GASTROENTEROLOGY

### Professor & Head

Dr P.Sriram

#### Faculty

Dr V. Venkatarami Reddy  
Dr G. Siva Rama Krishna  
Dr K.Radha Krishna  
Dr C. Chandramaliteeswaran  
Dr K.Surya Teja  
Dr C. Archana  
Dr Y. Satish Reddy

#### MCh PG Senior Residents

Dr M. Brahmeswara Rao  
Dr A. Dinakar Reddy  
Dr Varun Dasari

### 32.1 Awards, achievements and felicitations

1. **Dr V. Venkatarami Reddy**, Associate Professor, Department of Surgical Gastroenterology was awarded “**Fellowship of Indian Association Of Gastroendo Surgeons (FIAGES)**” during IAGES 2014 held at Chennai during 14-15 February 2014.
2. **Dr V. Venkatarami Reddy**, Associate Professor, Department of Surgical Gastroenterology won the **Best Poster Award** at IHPBA India 2014, Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association, National conference held at Mumbai during 9-12 January 2014.
3. **Dr K. Radha Krishna**, Assistant Professor, Department of Surgical Gastroenterology was awarded **Travel Bursary** for Master Class in Liver Diseases held during 31<sup>st</sup> January - 2<sup>nd</sup> February 2014.
4. **Dr M. Brahmeswara Rao**, Senior Resident Postgraduate student in MCh (Surgical Gastroenterology) won **Best Poster Award and travel bursary** at 24<sup>th</sup> National conference of IASG (IASGCON 2014) held at Ahmedabad during 3-5 October 2014.

### 32.2 Research Work

#### Thesis Work

##### Thesis submitted

1. Radha Krishna K. Prospective randomized study comparing billroth ii with braun anastomosis versus roux-en-y reconstruction after radical distal subtotal gastrectomy for gastric cancer (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Naveen Babu B. Clinical profile of mesenteric ischemia in a tertiary care centre (PDF Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Karthik GN. A retrospective analysis of clinical profile of patients undergoing hepatectomies in a tertiary care centre (PDF Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
4. Ershad Hussain Basha G. Corrosive injuries of the upper gastrointestinal tract (PDF Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

##### Ongoing Thesis work

1. Brahmeswara Rao M. Comparison of post-operative outcomes following non pylorus preserving pancreatoduodenectomy by addition



of braun enteroenterostomy - a randomised prospective study (MCh Thesis).

2. Dinakar Reddy A.A prospective randomised study of early versus delayed temporary ileostomy closure after colorectal surgeries (MCh Thesis).

### 32.3 Conferences attended, lectures delivered

**Dr P. Sriram**, attended the following

1. Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association (IHPBA-2014) held at Mumbai during 9-12 January 2014
2. 24<sup>th</sup> Annual conference of the Indian Association of Surgical Gastroenterology – IASGCON 2014 held at Ahmedabad during 3-5 October 2014.

**Dr V. Venkatarami Reddy**, attended the following

#### International

1. Presented a papers in best paper category on “Outcomes following non-pylorus preserving pancreaticoduodenectomy with and without addition of Braun enteroenterostomy: A randomized controlled study” and “Drainage procedures for small duct disease in Chronic Pancreatitis: A feasible option” and presented a poster on Multifocal extra gastrointestinal stromal tumor of pancreas: A case report” at IHPBA World Congress 2014 held at Seoul, Korea during 21-28 March 2014.

#### National

2. Presented a poster on “Outcomes following non-pylorus preserving pancreaticoduodenectomy with and without addition of Braun enteroenterostomy: A randomized controlled study” at Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association (IHPBA-2014) held at Mumbai during 9-12 January 2014.
3. Master Class on Liver Diseases on “Perioperative care in Liver Transplant” held at Chennai during 31<sup>st</sup> January – 2<sup>nd</sup> February 2014

4. Delivered a guest lecture on “Laparoscopic Bile duct injuries” at GastroenterologyCME at Manipal Hospitals, Vijayawadain April, 2014.
5. Master class on Mini Gastric Bypass held at Hyderabad on 26<sup>th</sup> July 2014.
6. National live surgical workshop and CME on Cancer Esophagus at Kidwai Memorial Hospital, Bangalore during 6-7 September 2014
7. Presented posters on “Comparison of ERC stenting and Percutaneous cholecystostomy as preoperative biliary drainage procedure in perampullary malignancies: A retrospective analysis” and “Multifocal Extra Gastrointestinal stromal tumor of pancreas: A case report” at 24<sup>th</sup> Annual conference of The Indian Association of Surgical Gastroenterology-IASGCON-2014 at Ahmadabad during 3-5 October 2014.

**Dr G. Siva Rama Krishna**, attended the following

#### International

1. Presented a poster on “Outcomes of choledochoduodenostomy in the management of choledocholithiasis” at IHPBA World Congress 2014, Seoul, South Koreaduring 21-28 March 2014.

#### National

2. Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association (IHPBA-2014) held at Mumbai during 9-12 January 2014
3. Master Class on Liver Diseases on “Perioperative care in Liver Transplant” held at Chennai during 31<sup>st</sup> January – 2<sup>nd</sup> February 2014.
4. National live surgical workshop and CME on Cancer Esophagus at Kidwai Memorial Hospital, Bangalore during 6-7 September 2014.

5. 24th Annual conference of the Indian Association of Surgical Gastroenterology – IASGCON 2014 held at Ahmadabad during 3-5 October 2014.
6. 3rd International conference and live workshop on advanced laparoscopy at Pune during 7-8 November 2014.

**Dr C. Chandramaliteeswaran**, attended the following

1. Master Class on Liver Diseases on “Perioperative care in Liver Transplant” held at Chennai during 31<sup>st</sup> January – 2<sup>nd</sup> February 2014.
2. 24<sup>th</sup> Annual conference of The Indian Association of Surgical Gastroenterology-IASGCON-2014 and presented video in Award video session titled “Standardized technique of laparoscopic en bloc Distal Radical Gastrectomy with D2 Lymphadenectomy” at Ahmadabad during 3-5 October 2014
3. Delivered a guest lecture on “Energy sources in Laparoscopy” at SURGICON-2014 held at Madurai on 21st September 2014.

### **32.4 Presentations by Postgraduate students**

**In 24<sup>th</sup> Annual conference of The Indian Association of Surgical Gastroenterology-IASGCON-2014 at Ahmadabad during 3-5 October 2014:**

**Dr Brahmeshwara Rao** presented posters on “Prospective randomized study comparing Billroth II with Braun anastomosis versus Roux-en-y reconstruction after Radical Distal Gastrectomy for Gastric cancer” and “Outcomes following Non-pylorus preserving Pancreaticoduodenectomy with and without addition of a Braun enteroenterostomy: A Randomized control study.”

**Dr A. Dinakar Reddy** presented poster on “A Rare case of Esophageal stent induced stricture and perforation”

### **In 37<sup>th</sup> Annual of Association of Surgeons Conference of AP chapter of India during 12-14 September 2014**

**Dr A. Dinakar Reddy** presented poster on “Cystobiliary communication in Hepatic Hydatid cysts” held at Kurnool.

### **32.5 Publications**

#### **Papers published**

1. Radhakrishna K, Sandeep P, Chakarpani U, Venkata Rami Reddy V, Ram R, Siva Kumar V. Insertion technique for prevention of peritoneal dialysis catheter tip migration. Int Urol Nephrol. DOI 10.1007/s11255-014-0727-9 (Epub ahead of print).
2. Solid pseudo-papillary tumor of pancreas- Indian perspective: Rashmi Patnayak, Amitabh Jena, Venkatarami Reddy, Amancharla Yadagiri Lakshmi, Mandyam Kumaraswamy Reddy. Journal of cancer research and therapeutics - Letters to editor.

### **32.6 CME**

1. Organized a telemonitoring workshop on Laparoscopic Hysterectomy from Sunrise hospitals, Cochin in Association with Ethicon endosurgery.
2. Organized a workshop of Science of tissue management (SOTM) in association with Ethicon Endosurgery

### **32.7 Other academic activities**

1. The Department of Surgical Gastroenterology is organizing GUT CLUB-TIRUPATI, a CME Programme on last Tuesday every month since March 2013. Interesting cases and recent advances are discussed during sessions and it involves Medical Gastroenterologists, Surgical Gastroenterologists, General surgeons and surgical residents in Tirupati.

## 33.0 DEPARTMENT OF SURGICAL ONCOLOGY

### Professor & Head

Dr Rajasundaram

#### Faculty

Dr H. Narendra  
Dr Amitabh Jena  
Dr B. Manilal  
Dr Raghu Vamsi  
Dr A. Ramesh

#### MCh PG Senior Residents

Dr G. Venkata Sivanatha Reddy  
Dr C. Jaya Prakash  
Dr N. Ramana Reddy  
Dr G. Revanth Kumar Reddy  
Dr Azhagamuthu R.E.  
Dr Sriharsha Haranadh

### 33.1 Fellowships received

#### International

Dr H.Narendra, Additional Professor of the Department was awarded IASO - BASO - Hyderabad fellowship by Indian Association of Surgical Oncology for the year 2014. The award includes a visit to an UK Hospital for one month with local hospitality and travel allowance.

### 33.2 Research work

#### Thesis work

#### Theses submitted

1. Raghu Vamsi N. Comparison of outcome with or without prophylactic central node dissection in well differentiated thyroid carcinoma (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Ramesh A. Laparoscopic radical hysterectomy Vs Open radical hysterectomy in early cervical cancers (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Sivanath Reddy GV. A prospective study of utility of 18F Fluoro deoxyglucose positron emission tomography/computed tomography in the initial staging and response assessment of locally advanced breast cancer patients receiving neoadjuvant chemotherapy (MCh Thesis)

2. Jaya Prakash C. A randomized study of neoadjuvant chemotherapy with interval cytoreduction Vs primary cytoreduction in advanced (Stage IIIc/IV) ovarian cancers (MCh Thesis).
3. Ramana Reddy N. A prospective study of prevalence, pattern and risk factors of lymph nodal metastases in FIGO Stage I and II epithelial carcinoma of the ovary (MCh Thesis).
4. Revanth Kumar Reddy G. A prospective study to assess the function of spinal accessory nerve and patency of internal jugular vein in modified neck dissection type II (nerve and vein sparing) for oral squamous cell cancers (MCh Thesis).

#### Thesis work done in collaboration with other departments

Dr H. Narendra, was *Co-guide* for the thesis of

1. Rajasekhar. Value of HBME-1, CK-19, Galectin 3 in thyroid neoplasms (MD Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

### 33.3 Conferences attended, lectures delivered:

**Dr H. Narendra**, attended the following

1. 4<sup>th</sup> Asian Oncology Summit held at Kula Lumapuar, Malaysia during 11 – 13 April 2014 and Presented poster on “Prophylactic

central node dissection in well differentiated thyroid cancers: Does this increase morbidity?”.

2. Zonal Surgical CME, organized by Department of General Surgery, SV Medical College, NTR University of Health Sciences and delivered lecture on “Recent advances in the management of malignant salivary gland tumors” held at Tirupati on 11<sup>th</sup> May 2014.
3. Oral presentation on “Utility of [18F] Fluoro-deoxyglucose positron Emission Tomography/ Computed Tomography (FDG PET/CT) in the initial staging and response assessment of locally advanced breast cancer patients receiving neoadjuvant chemotherapy”. NATCON – IASO 2014 held at Chennai during 18-21 September 2014. (Award winning Paper)
4. Chaired a session in PHYSIOSVIMS-2014 – National Conference on Recent trends in Physiotherapy organized by Department of Physiotherapy, SVIMS and Andhra Pradesh Physical Therapists Association held at Tirupati during 19 – 20 December 2014.
5. Chaired a session in CME on ONCOIMAGING, organized by Tirupati City Chapter of IRIA held at Tirupati on 21<sup>st</sup> December 2014.
6. Participated in “Basic Workshop on Medical Education and Training” held at SVIMS, Tirupati.

**Dr Amitabh Jena**, attended the following

1. Chaired a session in CME on ONCOIMAGING, organized by Tirupati City Chapter of IRIA held at Tirupati on 21<sup>st</sup> December 2014.
2. Presented poster on “Soft tissue neoplasms, our experience from a Tertiary Care Center from South India”. NATCON – IASO 2014 held at Chennai during 18 – 21 September 2014.

3. Presented an award paper on “Are all solitary thyroid nodules malignant?”. “Indian Association of Endocrine Surgeons (IAES) 2014” at Poovar during 10-12 October 2014.
4. 10<sup>th</sup> Annual Surgical Oncology Work shop Mumbai (ONCOSURG -2014) held at Mumbai during 21-23 November 2014.
5. Participated in “Basic Workshop on Medical Education and Training” held at SVIMS, Tirupati.

**Dr B.Manilal**, attended the following

1. Delivered lecture on “Cancer Screening” to Medical and paramedical staff of chittoor district on the occasion of World Cancer Awareness Programme held at SVIMS on 4<sup>th</sup> February 2014.
2. Presented paper on “Carcino sarcoma Breast Rare Case”. “Breast Oncology – 2014” at Kochi during 6-9 March 2014.
3. Conference “ASCO -2014” at Hyderabad during 28 -30 June 2014.
4. Presented poster on “Multiple Endocrine Neoplasia– MEN-2A”. “Indian Association of Endocrine Surgeons (IAES) 2014” at Poovar during 10 – 12 October 2014.
5. 10<sup>th</sup> Annual Surgical Oncology Work shop Mumbai (ONCOSURG -2014) held at Mumbai during 21-23 November 2014.
6. Conference “ASICON – 2014” at Hyderabad during 26-30 December 2014.

### **33.4 Presentations by postgraduate students**

#### **National Surgical Oncology Conference IASO – NATCON 2014 held at Chennai during 19 – 21 September 2014**

1. **Dr N.Ramana Reddy** presented poster on “Metastatic renal hemangiopericytoma : A rare case report”
2. **Dr G. Revanth Kumar Reddy**, presented two posters on “Malignant mixed mullerian tumor uterus a case series” and “Reconstruction of dorsum of nose with modified reiger technique”.



### 33.5 Publications

1. Hulikal N, Vamsi NR, Kottu R, Vengamma B. An unusual cause of trigeminal neuralgia. JNTR Univ Health Sci 2014; 3:54-6.
2. Narendra H, Reddy SGV, Kalawat TC, Lakshmi Ay. Can 18 whole body PET-CT substitute conventional imaging for initial staging of patients with locally advanced breast cancer ? J Clin Oncol 32, 2014 (suppl; abstr e11545)
3. Narendra H, Vamsi R. Prophylactic central node dissection in well differentiated thyroid cancers : Does this increase morbidity ? European Journal of Cancer 2014; 50 (S4) : e13-e-13.
4. Patnayak R, Rajasekhar S, Narendra H, Narayan ML, Kalawat TC, Shilpa K, Jena A. Carcinoma or sarcoma of the breast. J Basic Clin Reprod Sci 2014; 3:121-5.
5. Jena A, Patnayak R, Anil Kumar N, Chowhan AK, Vijaylakshmi Devi B, Lakshmi AY. Potpourri testicular tumour - combination of seminoma, teratoma and yolk sac tumour of testis in a young adult male. J Clin Sci Res 2014;3:257-60.
6. Jena A, Sundaram R, Manilal B, Patnayak R. Oral Cavity Cancers –Level v Metastasis. Indian J Surg Oncol 06/2014; DOI: 10.1007/s13193-014-0319-2 (Epub ahead of print).

### 33.6 CMEs/Seminars/Workshops/Orations conducted by the department :

1. CME on pediatric malignancies was conducted on 1<sup>st</sup> November 2014 by the Department in association with Department of Medical and Radiation Oncology at SVIMS.

### 33.7 Other academic activities:

1. Dr Srinivasulu, Professor and Head, Department of Surgical Oncology, MNJ Cancer Institute visited the Department and interacted with the residents on 20.10.2014.
2. MCI approval for MCh, Surgical Oncology came.
3. Dr Amitabh Jena went as Examiner for DNB Surgical Oncology at Gujarat Cancer Research Institute at Ahammedabad .

## 34.0 DEPARTMENT OF UROLOGY

### Professor & Head

Dr A. Tyagi

### Faculty

Dr D.V.S. Rambabu  
Dr N. Anil Kumar  
Dr P.Raghuveer  
Dr Y.L.Sri Ranga

### MCh PG Senior Residents

|                      |                          |
|----------------------|--------------------------|
| Dr P. Satish Babu    | Dr K.V. Bhargava Reddy   |
| Dr T. Syama Sundara  | Dr J. Jayaraju           |
| Dr G. Bhavani Sankar | Dr Ramesh Dasari         |
| Dr P. Vasanth Rao    | Dr Satish Bezawada       |
| Dr K. Venkat Reddy   | Dr Ramana Budumuru       |
| Dr T. Lokesh Kumar   | Dr S. Venkata Chaithanya |

### 34.1 Awards, achievements and felicitations

Dr P.Satish Babu, Senior Resident Postgraduate student MCh (Urology) was received **Best free paper award** at APSOGUS-2014, Kakinada during 12-14 November 2014 on “The effects of TURP on morbidity and mortality in patients with non-dialysis requiring renal insufficiency”.

### 34.2 Research Work

#### Thesis work

#### Theses submitted

1. Ganesh A. Comparison of prevalence and pathological characteristics of prostate cancer between patients with PSA levels of 2.6 to 4ng/ml and those with PSA greater than 4ng/ml with benign prostatic examination (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
2. Ramprasad Reddy A. A Prospective study on assessment of post EPN kidney function by radio nuclear scan after initial conservative management(MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.
3. Sri Ranga YL. Assessment of changes in contralateral renal parenchymal volume after unilateral nephrectomy(MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

4. Suryaprakash Reddy C. A prospective observational study on effectiveness of prognostic factors influencing disease free survival in renal cell carcinoma (MCh Thesis). Tirupati: Sri Venkateswara Institute of Medical Sciences; 2014.

#### Ongoing Thesis work

1. Satish Babu P. A study of PSA-AGE x VOLUME –Av. Score incorporating prostate specific antigen. Age, prostate volume in predicting positive prostate biopsy finding.
2. Syama Sundara T. Prospective evaluation of PCNL using guy’s stone score and modified claven grading.
3. Bhavani Shankar G. A Prospective study on analysis of the functional outcome of Anderson Hynes pyeloplasty using DTPA renography in patients with symptomatic pelvi ureteric junction obstruction.
4. Vasanth Rao P. A randomized prospective comparative study on effect of Tadalazfil 5mg. vs. Tamsulosin 0.4mg. on lower urinary tract symptoms/BPH.
5. Venkat ReddyK. A prospective, observational study of blunt renaltrauma.
6. Bhargava Reddy KVA prospective observational study of incidence of bone metastasis at various PSA levels in carcinoma prostate.

7. Jayaraju J. Peri operative complications following radical cystectomy
8. Lokesh Kumar J. A study of role of CT guided percutaneous needle biopsy of renal masses in management.

### 34.3 Conference attended and presentations

#### In USICON-2014 during 29<sup>th</sup> January - 2<sup>nd</sup> February 2014 at New Delhi.

1. **Dr P.Satish Babu**, presented Moderated poster - Outcomes of PSA testing in Symptomatic men-ur institutional experience with 78 patients.
2. **Dr Syama Sundara**, presented a Moderated Poster on Prospective evaluation of ED after BMG urethroplasty. Unmoderate Poster : Testicular TB masquerading as testicular tumour.
3. **Dr G.Bhavani Shankar**, presented a Unmoderated Poster : High grade transitional cell carcinoma of urinary bladder with malignant priapism.
4. **Dr P.Vasanth Rao**, presented a paper presentation : Heroic measures may not always be justified in extensive urethral stricture, perineal urethrostomy alone can be an accepted treatment modality in complex anterior urethral stricture disease and Moderated poster: Pre operative thrombocytosis as a marker of aggressive tumour biology in invasive bladder cancer.

#### In SZUSICON 2014 at Cochi, Kerala during 8-10 August 2014.

1. **Dr P.Vasanth Rao** presented papers presentations on "To determine diagnostic validity of pre operative urine cytology in patients with bladder carcinoma" and "To evaluate the outcomes of Brachiobasilic transposition fistula for hemodialysis".

#### In APSOGUS 2014 at Kakinada during 12-14 November 2014.

2. **Dr P.Satish babu**, presented a Video poster on "Transmesenteric laparoscopic guided PCNL in Anamolous fused pelvic kidney" and Moderated Poster on "A study of PSA – AV volume(AV) score incorporating PSA, age, prostate volume in predicting positive prostate biopsy findings".
3. **Dr T.Syama Sundara**, presented a Paper on "Assessment of renal function after nephrectomy using DTPA renogram" and Moderated Poster on "Prospective evaluation of PCNL using Guy's stone share & Clavien grading".
4. **Dr Bhavani Shankar**, presented a Free Paper on "Prevalence of urological complications seen in cases of carcinoma cervix – a retrospective study" and Moderated Posters on "Outcome of management of patients with urinary calculi and renal failure – Our experience" and Moderated Poster : Clavien classification of buccal mucosal onlay urethroplasty complications.
5. **Dr P.Vasanth Rao**, presented a Paper on "To evaluate the efficacy of solifenacin in the management of irritative symptoms after transurethral resection of bladder tumours (TURBTS) with subsequent intra vesical chemotherapy" and Moderated poster on To evaluate post operative renal function and risk factors for loss of renal function on patients who had undergone Radical cystectomy.
6. **Dr J.Jayaraju**, presented a Unmoderated poster - Laparoscopic Adrenalectomy and Moderated poster Synchronous dual malignancy – our experience in SVIMS.
7. **Dr J.Lokesh Kumar**, presented a Moderated poster - Laproscopic sacrocolpopexy and Unmoderated poster - Metastatic Wilm's tumour in adult with review of literature.

#### **34.4 Publications**

1. Tyagi A, Surya Prakash Reddy C, Anil Kumar N, Ram Prasad Reddy A, Ganesh A, Radhika K. Giant angiomyolipoma with A Wunderlich's syndrome in a patient with tuberous sclerosis. J Cli Sci Res 2014;3:210-13.

#### **34.5 CMEs / Seminar/ Workshops/ Orations conducted**

1. Urology & Nephrology departments conducted CME by inviting Dr V.Surya Prakash, Professor & HOD, Dept. of Urology, Narayana Medical College, Nellore, Dr Srinivasa murthy, NRI continental hospital. Hyderabad on 3<sup>rd</sup> May 2014.



## 35.0 COLLEGE OF NURSING

### Professor & Principal i/c

Dr P. Sudha Rani

#### Faculty

|                      |                            |
|----------------------|----------------------------|
| Dr A. Padmaja        | Mrs.V. Naganandini         |
| Mrs. S. Swarna       | Mrs. B.M. Madhavi          |
| Mrs. K. Varalakshmi  | Mrs.P.Sreedevi Annapurna   |
| Dr M. Nagarathnam    | Mrs. P. Christina Bharathi |
| Mrs.C. Ushakiran     | Mrs. M. Lakshmi Devi       |
| Mrs. S. Hemalatha    | Mrs. Pragasa Mary          |
| Mrs.M. Sreelatha     | Mrs. K. Gowri Devi         |
| Mrs. B. Kokilamma    | Mrs. P. Sumalatha          |
| Mrs.M. Bhagyalakshmi |                            |

### 35.1 Awards, achievements and felicitations

#### Awards

1. Dr P. Sudha Rani, Professor / Principal, CON “Awarded **“Meritorious Education Excellence Award”** by Global society for Health & Educational Growth, Delhi on July 2014.
2. Mrs. S. Swarna, Asso. Prof. Awarded **M.Phil** degree on November, 2014.

#### Achievements

1. On occasion of International Organ Donation Day on 28<sup>th</sup> November 2014. The following students secure prizes on **“Importance of organ donations”**.

**Painting Competition:** K.S. Lavanya, II M.Sc (N) got 1<sup>st</sup> prize and G. Rachana, II B.Sc (N) got 3<sup>rd</sup> prize. P. Haritha, 1<sup>st</sup> M.Sc (N) and N. Prathusha, II B.Sc (N) got consolation prizes.

### 35.2 Fellowships received

#### National

1. Dr M. Nagarathnam, Asso. Prof. was awarded “Fellowship of the life time achievement of receiving doctorate of Philosophy on 13<sup>th</sup> September, 2014 on the occasion of 7<sup>th</sup> alumni reunion by Omayal achi, College of Nursing, Chennai

### 35.3 Research Work

#### Dissertations submitted

1. Anuradha B. (Medical Surgical Nursing). A study to assess the factors affecting therapeutic compliance among hypertensive patients attending hypertension clinic. SVIMS, Tirupati.
2. Anusha G. A study to assess the effectiveness of preoperative teaching programme on anxiety levels among patients undergoing cardiac surgery at cardiothoracic ward. SVIMS, Tirupati.
3. Chaitanya K. A study to evaluate the effectiveness of structured teaching programme on bronchopneumonia among mothers of under five children in S.V.R.G.G.H, Tirupati.
4. Chottima S. A study to assess the level of anxiety and coping strategies among eamcet exam appearing students at selected college of Tirupathi, with a view to develop an information booklet on eamcet exam anxiety and relaxation techniques
5. Deepthi S. A study to assess the knowledge on cardiac rehabilitation among myocardial infarction patients admitted cardiology ward, SVIMS, Tirupati.

6. Divya Madhuri R. A comparative study to assess the knowledge of mothers regarding home management of selected childhood illnesses among toddlers residing in selected urban and rural areas of Tirupati.
7. Jagadeeswari J. An assessment of nutritional status of preschool children in selected rural anganwadi centers of Tirupati.
8. Karunasri CH. A study to assess the knowledge regarding domestic waste management among women in a selected urban area Tirupati.
9. Lakshmi Bhavani K. A study to assess the quality of life among post myocardial infarction patients attending cardiology OPD, SVIMS, Tirupati.
10. Lathasree U. A study to assess the knowledge on prevention of coronary artery disease among patients underwent coronary angiography with normal coronaries at cardiology ward, SVIMS, Tirupathi.
11. Leelavathi A. A comparative study to assess the attitude of mothers and fathers towards girl child in selected areas of Tirupati.
12. Mahathi J. A comparative study to assess the academic achievement motivation among secondary school students in urban and rural areas of Tirupati.
13. Manjula M. A study to assess the knowledge on selected aspects of new born care among third trimester primigravida mothers attending MCH centre, Tirupati.
14. Manoranjani G. A study to assess the effectiveness of structured teaching programme on knowledge regarding PPIUCD (Post-Placental Intrauterine Contraceptive Device) among primigravida mothers in selected MCH center.
15. Meena K. A study to assess the effectiveness of structured teaching programme on lifestyle modifications among postmenopausal women in selected rural areas, Tirupati.
16. Naga Venkat K. A study to assess the level of knowledge regarding transmission and prevention of lymphatic filariasis among adults in selected urban slum.
17. Padma K. A study to assess the level of knowledge on diet among patients with coronary artery disease attending cardiology OPD, SVIMS, Tirupati
18. Padma V. A study to assess the parental attachment and self-esteem among adolescents of selected colleges, at Tirupathi.
19. Rajkumar D. A study to assess the level of knowledge on hepatitis-B among adolescents in selected rural government junior colleges Tirupati.
20. Reddemma C. A comparative study to assess the level of depression among elderly men and women residing at selected old age home, Tirupathi.
21. Samhitha J. A Comparative study to assess knowledge attitude and knowledge on practices regarding diet during selected childhood illnesses among mothers of under fives of urban and rural areas, Tirupati.
22. Sandhya Rani K. A study to assess the knowledge regarding eclampsia among multipurpose health workers (F) at selected PHCs, Tirupathi.
23. Sobha K. A study to evaluate the effectiveness of structured teaching programme on pelvic floor exercises in prevention of urinary incontinence among premenopausal women in selected areas, Tirupathi.
24. Sravan Reddy G. A Study to assess the effectiveness of the structured teaching programme on polycystic ovary syndrome among adolescent girls in a selected college, Tirupathi.
25. Suhasini U. A study to assess the level of stress and coping among mothers of children with hearing impairment in selected institutions for deaf in Tirupathi.

26. Suleman Shareef M. A study to assess the knowledge regarding cataract among adults in selected areas of Tirupathi.
27. Vasanth Kumar K. A study to assess the burden among the caregivers of schizophrenic clients in S.V.R.R.G.G.H, Tirupathi.
28. Venkatalakshumma J. A study to assess the effectiveness of structured teaching programme regarding infertility among degree students at a selected college, Tirupathi.

#### **Ongoing Dissertations Work (MSc Dissertaion)**

1. Aswini Kumar Reddy G. A study to assess the level of depression among obese adolescents of selected schools at Tirupati.
2. Jeevitha N. A study to assess the level of adjustment among orphanized children at Tirupati.
3. Jyothsna P. A study to assess the effectiveness of structured teaching programme on scrub types among mothers of under five children at selected Anganwadi centers, Tirupati.
4. Lavanya K.S. A study to assess the study habits of tenth grade students in relation to their academic achievements in selected schools at Tirupati.
5. Sandeep Kumar M. Skill training on insulin self administration among children attending Juvenile diabetic clinic, SVIMS, Tirupati.
6. Sandhya L. A study to assess the effectiveness of structured teaching programme for primi mothers regarding infant feeding practices in selected rural areas, Tirupati.
7. Mary Pavani B. A study to assess the knowledge regarding osteoporosis among postmenopausal women of selected self help groups at selected urban areas of Tirupati.
8. Prabhavathi C. A study to assess the knowledge regarding utilization of ICDS services among mothers of under five children at selected Anganwadi Centers of Tirupati.
9. Prabhavathi S. A study to assess the effectiveness of STP on drug adherence to ATT among clients attending DOT center at SVIMS, Tirupati.
10. Shameem S. A study to assess the knowledge regarding Gestational diabetes among antenatal mothers at urban health center, Tirupati.
11. Vamsi Krishna S. A study to assess the knowledge attitude among attendees of Integrated Counseling and Testing center (ICTC) at selected health centers, Tirupati.
12. Venkatareddy Rani C. A study to assess the utilization of JSY services among postnatal mothers attending MCH Center, Tirupati.
13. Pavana G. A study to assess the knowledge on migraine and to identify triggering factors among migraine patients attending Neurology OPD, SVIMS.
14. Sakuntala T. A study to assess the level of disability among post stroke clients attending Neurology OPD, SVIMS, Tirupati.
15. Shalini B. A study assess the impact of stigma on Quality of life in people with epilepsy attending tertiary care centre, Tirupati.
16. Thulasi Ram T. A study to assess the level of depression among post stroke patients attending Neurology OPD, SVIMS, Tirupati.
17. Vijaya Lakshmi V. A study to assess the Quality of sleep among clients with Parkinson's disease attending Neurology OPD, SVIMS, Tirupati.
18. Geetha M. A study to assess life style adaptation towards menstrual pattern among adolescents in selected educational institutions of Tirupati.
19. Lakshmi G. A study to assess the knowledge regarding cervical cancer among women in selected villages, Tirupati.

20. Neelavathi N. A study to assess the effectiveness of self instructional modules regarding premenopausal symptoms among selected working women at Tirupati.
21. Prathyusha Joshi S. A study to assess practice of family planning methods among eligible couples on rural areas of Tirupati.
22. Pushpa V. A study to assess the effectiveness of planned (structured) teaching programme on prevention of anemia among antenatal mothers at PHC, Renigunta.
23. Supraja K. A study to assess the effectiveness of structured teaching programme on prevention of selected puerperal infections among antenatal mothers attending MCH centre, Tirupati.
24. Hema B. A study to assess the level of stigma among care givers of schizophrenia patients at SVRRGGH, Tirupati.
25. Santhamma A. A study to assess the attitude of women towards old people at selected areas of Tirupati.
26. Srilatha. A study to assess the knowledge regarding care of patients receiving antipsychotic drugs among caregivers of schizophrenia patients at SVRRGGH, Tirupati.
27. Srinivasa Rao M. A study to assess the level of ego integrity among geriatric population in selected areas of Tirupati.
28. Supriya S. A study assess the bullying and victimization among high school children in selected schools, Tirupati.
29. Swathi M. A study to assess the knowledge regarding Alzheimer disease among senior citizens in selected community, Tirupati.
2. Dr P. Sudha Rani, Principal attended as Guest Speaker to the seminar organized by Amarraja Batteries Pvt Ltd. Karakambadi to the nurses working in Amarraja Batteries on 22<sup>nd</sup> September 2014 and deliver lecturer on "Occupation Health Nursing Present, Past and Future.
3. Dr P. Sudha Rani, Principal attended National Conference "Nurse as a change agent advancing towards global health" and delivered guest lecture on "changing role of nurse in advancing health for all health system stewardship" in Manisha College of Nursing, Visakhapatnam during 5-6 September 2014 and also chaired a Symposium on Strategies for global health nursing perspectives
4. Dr M. Nagarathnam, attended the "3<sup>rd</sup> international conference on "Transforming Nursing practice through Research" organized by International centre for collaborative Research" omayal achi College of Nursing, Chennai during 8-10 January 2014 and presented paper on "Assessment of dry hear versus moist heat on case of peripheral I.V catheter insertion
5. Dr P. Sudha Rani, attended international college of Nursing In Nellore during 27- 28<sup>th</sup> June, 2014 Presented on "Trends in Nursing Education" at International conference, Narayana College of Nursing, Nellore.
6. Dr A. Padmaja as a resource person at panel discussion on "Newer developments and trends in Nursing" held on 14<sup>th</sup> March 2014, Shenbagha College of Nursing, Chennai.
7. Mrs. S. Swarna, Asso. Prof. Presented a paper "Activities of ASHAs in promotion of health in selected district of Andhra Pradesh at International congress on women's health at S.V. Medical College, Tirupati during 11-13 July 2014.
8. Mrs. V. Naganandini, Tutor, attended and presented "Evaluation in Nursing Education" at International conference, Narayana College of Nursing, Nellore on 28-06-14.

#### **35.4 Conferences attended, lecturers delivered**

1. Dr P. Sudha Rani, attended the state level conference on "Revolutionizing Nursing Education" and delivered lecture on "Research priorities in Nursing Education" at GSL & Swatantra College of Nursing, Rajamundry during 25-26 April 2014.



### **In “58<sup>th</sup> Annual National conference of India public Health Association” at SV Medical College, Tirupati**

9. Ms. A. Leelavathi & Dr A. Padmaja, poster presentation on “Discrimination against girls”
10. Mrs. S. Swarna, Presented paper “selection training and knowledge of Accredited Social Health Archivists in selected district of Andhra Pradesh’
11. Ms. J. Samhitha & Dr A. Padmaja, poster presentation on “social pollution”, presented at “58<sup>th</sup> Annual National conference of Indian public Health Association”,

### **35.6 Publications**

#### **Text Books**

1. Padmaja A. Pediatric Nursing Procedure Manual. Jaypee Medical Publishers (P) Ltd, New Delhi.
2. Padmaja A. Child Health Nursing- Nursing process approach. Jaypee Medical publishers (P) LTD, New Delhi.

#### **E-Books**

1. Padmaja A. Pediatric Nursing Procedure Manual. Jaypee Medical Publishers (P) Ltd, New Delhi.
2. Padmaja. Child Health Nursing - Nursing process approach. Jaypee Medical publishers (P) LTD, New Delhi.

#### **Journals**

3. Sudha Rani P. Knowledge and practices of menstrual hygiene among married adolescents and young women in chittoor district of Andhra Pradesh, India. IOSR journal of Nursing and Health Science 2014; 3(2):
4. Sudha Rani P, Swarna S. Self reported adherence to antihypertensive therapy among hypertensive clients. Nurses of India 2014; 15 (2):

5. Kokilamma B, Sudha Rani P. Effectiveness of structured teaching programme on knowledge about cervical cancer among married women in a selected urban slum, Tirupati, A.P.
6. Nagarathnam M, Vengamma B. Assessment of quality of life in epilepsy in Andhra Pradesh. Neurology Asia 2014;19(3);249-55.
7. Naganandini V. A study to assess the effectiveness of respiratory exercises among post operative cardiothoracic patients at Narayana general hospital, Nellore. 2014 ;4(4): September, 2014.
8. B.M. Madhavi. A auasi experimental study to assess the effectiveness of structured teaching programme regarding the ill effects of alcoholism among labourers. Narayana Nursing Journal, December, 2014
9. Lakshmi Devi M, Sreelatha M, Sudha Rani P. A study to assess the effectiveness of structured teaching programme on knowledge regarding dog bite among elementary school children in selected schools at Tirupati. Narayana Nursing Journal 2014;4(4).
10. Sumalatha P, Usha Kiran C. A study to assess level of knowledge and knowledge on practices regarding periodontal disease among antenatal mother attending MCH Centre, Chittoor, Tirupati, A.P. Narayana Nursing Journal 2014;4(4).
11. Mrs. C. Usha Kiran . “A study to assess the knowledge of college girls with regard to selected aspects of safe motherhood before and after the planned teaching programme in selected college of Raipur”, Nurses of India, Vol. 15, Issue -10, ISSN2320-2009, Dated: 15, October 2014

#### **Students**

1. Samhitha J, Padmaja A. Diet during children’s illness. Nightingale Nursing Times 2014; 10(6):17-20.
2. Nagarathnam M, Bhavani Kl, Deepthi S. Assessment of knowledge on foot care

- among diabetic patients attending tertiary care hospital in A.P. J of Society for wound Care and Research 2014; 7(1); 29-32.
3. Subhasini N, Nagarathnam M. Assessment of coping strategies among breast cancer patients on Chemo therapy. Narayana Nursing Journal -2014. ISSN 2278, 5361, 43-44.
  4. Sandhya Rani K, Usha Kiran C, Sudha Rani P. A study to assess the knowledge regarding eclampsia among multipurpose health workers (f) at selected phcs, Tirupati. Nurses of India 2014;15:19-20
  5. Saravan Reddy G, Varalakshmi K, Sudha Rani P. Assess the effectiveness of structured teaching programme on polycystic ovary system among adolescent girls in selected college, Tirupati. Nurses of India 2014; 15: 20-21.
  6. Venkatalakshmi J, Varalakshmi K. Sudha Rani P. A study to assess the effectiveness of structured teaching programme regarding infertility among degree students in a selected college, Tirupati. Nurses of India 2014;15: 18-19.
  7. Sobha K, Usha Kiran C, Sudha Rani P. A study to evaluate the effectiveness of structured teaching programme on pelvic floor exercises in prevention of urinary incontinence among premenopausal women in selected are, Tirupati. Nurses of India 2014;15:6-7.
  8. Shareef Suleman, Sreelatha M, Sudha Rani P. Assess the knowledge regarding cataract among adults in selected area, Tirupati. Nurses of India 2014;15:4-5.
  9. Sreelatha M. Knowledge of primary children before and after implementation of structured teaching programme on dental health in selected school of Raichur. Nurses of India 2014;15: 17-18.
  10. Padma V, Bhagyalakshmi, Hemalatha S, Sudha Rani P. A Study to assess the parental attachment and self-esteem among adolescents of selected colleges at Tirupati. IJPRBS 2014;3(4): 749-753,
  11. Suhasini U, Bhagyalakshmi M, Hemalatha S, Sudha Rani P. Stress and coping among mothers of children with hearing impairment. IJPRBS 2014; 3(4): 730-36.
  12. Reddemma C, Bhagya lakshmi M, Hemalatha S, Sudha Rani P. A comparative study to assess the level of depression among elderly men and women in selected old age homes, Tirupati. IJPRBS 2014; 3(4): 743-48.
  13. Mahati J, Hemalatha S, Bhagyalakshmi M, Sudha Rani P. A comparative study to assess the academic achievement motivation among secondary school students in urban and rural areas of Tirupati. IJPRBS 2014; 3(4):724-29.
- 35.7 CMEs/Seminars/Workshops/Oration conducted by the department**
1. CME on “Statistics in Nursing Studies” was conducted on 11-07-14 by College of Nursing, SVIMS, at Sri Padmavathi Auditorium, SVIMS University. **Guest speaker** : Dr KVS. Sarma, Principal/ Professor of Statistics S.V. University, Tirupathi the topic is “Statistical methods in data collection with focus on Nursing Studies” and Dr A. Padmaja, Professor, College of Nursing, SVIMS the topic is “Importance of Statistics in Nursing Research”
- 35.8 Any other academic activities**
1. Dr P. Sudha Rani, Professor / Principal “selected as Screening Committee Member for admission into Ph.D course for the year 2014 by Dr NTRUHS, Vijayawada .
  2. Dr P. Sudha Rani, Professor / Principal selected as “National Editorial advisory Board Member in International Journal Practical Nursing”, and “Indian Journal of Surgical Nursing
  3. Dr P. Sudha Rani, Professor / Principal Selected as “Board of Studies member for Bachelors of Vocational Programme and general M.Sc Programmes”, Dept. of Home Science, S.P. Mahila University, Tirupati.
  4. Dr M. Nagarathnam, Asso. Prof. “selected and nominated as expert in Board of studies from Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, date: 15-03-14

## 36.0 COLLEGE OF PHYSIOTHERAPY

### Professor & Principal i/c

Dr K. Madhavi

#### Faculty

Dr A. Viswanath Reddy

Mr K. Senthil Kumar

Dr V. Srikumari

Mr C. Shanthi

Mr C. Govardhan

Ms N. Kavitha

Mr M. Suresh Kumar

Mr S. Raghava Krishna

Ms G. Kameswari

### 36.1 Awards, achievements and felicitations

Dr K. Madhavi, Professor and Principal i/c, College of Physiotherapy, was awarded "**Achievement Award**" by Physiocon – 2014. National Level Conference held at Swatantra Institute of Physiotherapy & Rehabilitation, Rajahmundry, A.P during 7-8 March 2014.

### 36.2 Fellowships received

Dr K. Madhavi, Professor and Principal i/c, College of Physiotherapy, was awarded "**Fellowship Award**" by Indian Association of Physiotherapist in 52<sup>nd</sup> Annual conference held at Indore, during 14-16 February, 2014. She is the first physiotherapist to receive highest award from IAP from A.P.state.

C. Shanthi, Assistant Professor, college of physiotherapy, was awarded "**Dr Ambedkar National Fellowship Award – 2014**" in the 30<sup>th</sup> National conference of the academi held at New Delhi during 13-14 December 2014.

### 36.3 Research work

#### Ph.D awarded

1. Dr. A. Viswanath Reddy, Associate Professor, college of physiotherapy, SVIMS, Tirupati was awarded Ph.D on 5<sup>th</sup> May 2014 for the thesis entitled "A prospective randomized controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers"

### Ph.D Ongoing thesis

C. Shanthi, Assistant Professor, College of physiotherapy, SVIMS, Tirupati – "Influence of graded Aerobic Exercise on quality of life and exercise tolerance in post surgical mitral valve disease individuals- A prospective randomized open label study"

K. Senthil Kumar, Lecturer, College of physiotherapy, SVIMS – "Effectiveness of a early mobilization and structural cardiac rehabilitation on functional outcome and quality of life following coronary artery by-pass graft – a randomized controlled trial"

### Thesis submitted by the outgoing PGs

1. Chinna Reddemma P. Screening of cardio respiratory fitness and physical activity level in subjects with computer using personnels in SVIMS University, Tirupati - An observational study"
2. Manjusha D. Influence of structured exercise protocol on physical activity in perimenopausal women"
3. T. Anusha – "Influence of Nordic walking on cardiovascular capacity and quality of life in geriatric population"
4. B. Deekshita – "Effect of task oriented exercises on standing balance in subjects with stroke"
5. S. Sethana – "The effect of EMG Bio-feedback in improving hand function in subjects with stroke"

6. Y.Lokapavani, "Influence of pre-operative physical therapy education and exercise on shoulder ROM and functional activities in subjects with post operative radical mastectomy"
7. Harshitha, "Effect of kinesiotaping along with quadricers strengthening on pain, knee ROM, and functional activities in subjects with patella femoral osteoarthritis"
8. Sai Sucharitha, "Effectiveness of plyometric training on anaerobic power and agility in badminton players".
9. L.V.S.Pravallika, "Effects of postero-anterio lumbar spine mobilizations on pain; range of motion and functional performance in subjects with non-specific low back pain – A randomized controlled trial"
10. Sandhya Kiran, "Effectiveness of supervised fame protocol on fitness, mobility and muscle strength in young adults with stroke"
11. Vinodh Kumar, "Effectiveness of resistance training for quadriceps and hamstrings on muscle strength and sprint running performance in sprinters"
12. V. Diwakar "Effectiveness of resistance training on the strength of scapula humeral muscles and abdominal in male volley back players – A randomized controlled trail".
4. A. Prasad Naik, "Effect of muscle energy technique on hamstring and calf muscle in sprinters through Human Motion Analysis".
5. M.Sruthi, "Effects of resisted and aerobic exercise on immune system following ESR & CRP levels in Rheumatoid Arthritis patients".
6. K.Sai Sudha, MPT 2<sup>nd</sup> year student – "Effectiveness of floor exercises Vs swiss ball exercises in improving core muscle stability in cricketers".
7. P. Haritha, "Effectiveness of post isometric relaxation technique and resisted isometrics in patients with non-specific neck pain on pain disability and ROM".
8. B.Jyothirmmai, "Effectiveness of Integrated neuromuscular inhibitory technique along with specific strength training in preventing the reoccurrence of upper trapezius trigger points".
9. V.B.Geethika, "Effectiveness of neural tissue mobilizations in LBA subjects with sciatica on pain and functional disability"
10. D.Shravan Kumar, "Comparison of mime therapy Vs neuromuscular Re-education and facial assymetry in subjects with Bell's Palsy"
11. G. Suryam, "Effectiveness of strengthening exercises of upper back muscles in school going children's".
12. C. Janardhan, "Influence of music therapy and breathing exercises on Anxiety and Depression in open heart surgery patients".

### **Ongoing thesis work of present PGs**

1. Bhargavi, "Effect of Integrated Hand function training on Hand grip strength in Hemiparetic stroke patient".
2. M.Siva Prasad, "Effect of Aerobic exercises on fatigue, quality of life, cardiovascular fitness in post-gastrectomy patient who are receiving chemotherapy".
3. A.Prasad, "Comparison of the non – dominant hand strength to improve batting performance in young cricket players"

### **36.4 Conferences attended, lectures delivered**

#### **National**

**In PHYSIOSVIMS-2014 held at Rastriya Sanskrit Vidyapeetha, during 19<sup>th</sup> & 20<sup>th</sup> December, 2014**

Dr K. Madhavi, conducted national conference and delivered lecture on "Physical activity and energy Homeostasis – impact on health.



Dr A.Viswanath Reddy, delivered lecture on “Role of physiotherapy in patella femoral pain syndrome”

Dr V. Srikumari, delivered lecture on “A review of obesity and risk of cancer”

C. Shanthi, delivered lecture on “Selection of research design”

K.Senthil Kumar, delivered lecture on “Differential diagnosis of knee pain”

**A C.M.E on “Recent advances in physiotherapy” organized by Narayana college of physiotherapy, Nellore on 31.08.2014.**

Dr K. Madhavi, delivered guest lecture on “stepping towards a change on cardiopulmonary physical therapy in non-communicable disease

Dr A.Viswanath Reddy, attended and delivered a lecture on “Diagnostic and therapeutic approach of Isokinetic device in the field of physiotherapy”

**In national conference – Emerging trends in physical education held in Nagarjuna University, Guntur on 12.02.2014.**

Dr A.Viswanath Reddy, attended and delivered a lecture on “Methods of assessing muscle strength”

Dr K.Madhavi, Professor, delivered lecture on “Physical activity exercise and fitness- Is they play a key role in our life? at S.V. veterinary University, Tirupati on 05.03.2014.

**In “PHYSIO ACCORD – 2014” held at Bangalore**

Dr K. Madhavi, attended national level conference and delivered lecture on “ Post and present scenario in cardiopulmonary physical therapy - an overall bird view” on 17.01.2014.

Dr A.Viswanath Reddy, delivered lecture on “ A Prospective randomized controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers” and secured 2<sup>nd</sup> place on 17/01/2014.

C. Shanthi, delivered lecture on “Influence of graded aerobic exercise on quality of life and exercise

tolerance in post surgical mitral valve disease individuals – A prospective randomized open labeled study” on 17/01/2014.

Dr M. Suresh Kumar, was attended as a judge for paper presentation in national conference.

**In National physiotherapy conference “Physiocon – 2014, during the 7<sup>th</sup> & 8<sup>th</sup> March, 2014.At Rajahmundry.**

Dr K. Madhavi, delivered lecture on “ Advance cardio pulmonary physical therapy interventions”

Dr V. Srikumari, attended as a resource person and delivered lecture on “Facilitation of movement in disorders of motion control”

### **Other conferences**

Dr V. Srikumari, attended as guest speaker and delivered lecture on” On role of Micronutrients on physical well being” at 4<sup>th</sup> Inter disciplinary Research Conference – 2014. held at Krishna Institute of Medical Sciences, Deemed University, Karad organized by school of dental sciences during 4<sup>th</sup> & 5<sup>th</sup>, March, 2014.

C.Shanthi, delivered lecture on “Role of physiotherapy in sports injury education and prevention UGC sponsored programme organized by Sri Mahila Viswavidhyalam, Tirupati during 20 & 21.03.2014.

### **36.5 Paper Presentations by postgraduate students**

**In PHYSIOSVIMS-2014 held at Rastriya Sanskrit Vidyapeetha, during 19<sup>th</sup> & 20<sup>th</sup> December, 2014**

V.B.Geethika presented paper on “Prevalence of migrance headache and identification of it most common triggers among medical university students.

P. Keerthi Priya presented paper on “Prevalance of MCH stroke in subject with cardiac emboli”.

Hareesh presented paper on “Evaluation of hamstring flexibility among student population.

Meena presented paper on “Analysis of pain, grip strength and disability in non specific neck pain

among students” and Secured 3<sup>rd</sup> place in platform presentation.

**In “PHYSIO ACCORD – 2014” held at Bangalore**

V. Diwakar presented paper on “Effects of resistance training on the strength of the scapula humeral muscles and abdominals in male volley ball players – A Randomized controlled trail”.

D. Manjusha presented paper on “Influence of structural exercise protocol on physical activity in perimenopausal women – RCT.

L.V.S. Pravillika presented paper on “Effects of postero anterior lumbar mobilization on pain ROM and junctional status in female subjects with chronic non-specific low back pain – RCT”.

Sandhya Kiran presented paper on “Effectiveness of supervised fitness and mobility exercise programme on fitness, mobility and muscle strength in young adults with stroke – Randomized control trail”.

**In National physiotherapy conference “Physiocon – 2014, during the 7<sup>th</sup> & 8<sup>th</sup> March, 2014. At Rajahmundry**

Sethana presented paper on “Effectiveness of EMG Bio-feedback impairing hand function in subjects with stroke” and secured 1<sup>st</sup> place.

**U.G. Paper presentation**

**In national conference organized by SRMC – Chennai on 05.07.2014.**

E. Sai Anusha presented paper on “Comparing ultra sound and laser therapy along with neck exercises and neck range of motion (ROM) in upper trapezoid, trigger point” secured 2<sup>nd</sup> place in platform presentation,

G. Uma, presented paper on “Prevalence of flexible flat foot among subjects with normal and increased BMI levels”

D. Chaitanya, presented paper on “Effects of preoperative programme on pulmonary function test and 6 minute walk distance in post surgical mitral valve disease individual”.

K. Lavanya, presented paper on “Effectiveness of patello femoral joint pain syndrome with taping techniques and UMO strengthening”.

D Swetha, presented paper on “ To study the relationship between respiration fitness & physical, functional & physiological parameters in chronic stroke individuals – An observational study”.

**In National physiotherapy conference Physiocon – 2014**

M. Srikanth presented paper on “Effectiveness of muscle energy technique on pain and cervical ROM in patients with myofascial pain in upper trapezius organized by Swantra Institute of Physiotherapy and Rehabilitation during 7<sup>th</sup> & 8<sup>th</sup> March, 2014.

**P.G. Poster Presentation**

**In National physiotherapy conference at Bangalore – PHYSIO ACCORD – 2014 on 17.01.2014.**

P. Chinna Reddamma, presented poster on “Screening of cardio respiratory fitness in subjects with computer using personnels”.

B. Deekshita, presented poster on “Effect of task oriented exercises on standing balance in subjects with stroke”.

Harshitha, presented poster on “Effect of kinesiotaping along with quadriceps strengthening on pain, ROM and functional activities in subjects with patella femoral osteoarthritis”.

Y. Lokapavani, presented poster on “Influence of pre operative physical therapy education and exercise on post OP schedules ROM and functional recovery in subjects with radical mastectomy – ARCT”.

Sai Sucharitha, presented poster on “Effectiveness of plyometric training on anaerobic power ability in badminton players”.

S. Sethana, presented poster on “ The effect of EMG BIO-feedback in improving hand function in subjects with stroke”.

T. Anusha, presented poster on “Influence of NORDIC WALKING on cardiovascular capacity and quality of life in geriatrics”.

V. Vinodh Kumar, presented poster on “Effectiveness of resistance training for quadriceps and hamstrings on muscle strength and sprint running performance in sprinters”.

### U.G. Poster Presentation

#### 1) In Physiosvims – 2014 during 19<sup>th</sup> December, 2014 at Tirupathi

P. Sri Vani, presented poster presentation on “Influence of body mass index in prevalence of flat foot”

H.V. Hemalatha, presented poster presentation on “ Role of physiotherapy in oral carcinoma” Physiosvims – 2014.

M.L. Ramyakrishna, presented poster presentation on “Comparison of hand grip between the dominant and non-dominant hand of male cricket players and non-player”

Sandhya Rani, presented poster presentation on “Shock wave therapy”

Beulah Hepsiba, Ms.Allwin & Ms.Jessie Kamal, presented poster presentation on “ Role of pain in migraine headache and tension headache”

P. Firadose, presented poster presentation on “Postural correction for computer professionals to prevent low back pain”

#### 2) In Physiocon-2014, National physiotherapy conference conducted by Swatantra Institute of physiotherapy and Rehabilitation, held at Rajahmundry, during 7<sup>th</sup> & 8<sup>th</sup> March, 2014.

V. Meena, Internee student presented poster presentation on “Effect of IFT Vs Pelvic floor muscle strengthening in stress urinary incontinence”

P. Keerthipriya, Internee student presented poster presentation on “ Prevalence of stroke in subjects with irregular hypertensive medication”

Y. Bhavani, Internee student presented poster presentation on “Effectiveness of cryotherapy & static stretching Vs static stretching alone for improving dorsiflexion in hemiplegia subjects with flexor rightness”.

### 36.6 Publications

1. Sethana S, Sri Kumari V and Madhavi K. The effectiveness of EMG Biofeedback on hand function in subjects with stroke – Int J physiother 2014; 1:178.
2. Madhavi K. A step towards progression leads to evolution – A Basis for movement towards health. Int J Pysiother 2014;1:100.
3. Harshitha M, Senthil Kumar K, Madhavi K. Effects of kinesiotaping along with quadriceps strengthening exercises on pain, joint range of motion and functional activities of knee in subjects with patellofemoral osteoarthritis – Int J Physiother 2014; 1: 135.
4. Pravallika L.V.S., Shanthi C, Madhavi K– “Effects of postero anterior lumbar spine mobilizations on pain, ROM functional disability in female subjects with chronic non specific low back pain. IntJ physiotherapy 2014; 1:279-85.
5. Diwakar V, Dr Viswanath Reddy A, Madhavi K. “Effectiveness of resistance training on the strength of scapula-humeral muscles and abdominals in male volley ball players” – Int. J Physiotherapy 2014; 1(3): 127.
6. Sandhya Kiran, Dr Sri Kumari V, Madhavi K. Effectiveness of supervised fitness and mobility exercise program on fitness, mobility and muscle strength in young adults with stroke – Int Physiother 2014; 1(3):158.
7. Manjusha, Madhavi K. To study the influence of structured exercise protocol on physical activity in perimenopausal women – Int J Physiotherapy 2014;1(3):152.
8. Raghava Krishna S, Madhavi K, Krishna Kishore C, Sivakumar V -Effect of exercise programmed on lumbosacral strain in patients on continuous ambulatory peritoneal dialysis. *Indian J Nephrol* 2014 ;24(4):262.
9. Sridurga G, Srikumari V, Madhavi K. A comparative study on the effectiveness of epley’s maneuver over semonl maneuver in improving quality of life in subjects with BPPV. *Indian*



*Jphysiotherapy occupational ther* 2014; 8(1): 99-104.

10. Shanthi C, Kamaraju B, study to compare the effectiveness of static stretch and hold relax technique over hamstring flexibility - *Indian JPhysiother occupational ther* 2014;1: 205-08.
11. Viswanath Reddy A & Madhavi K. Isokinetic dynamometer –role in sports rehabilitation *J clinic biomed sci* 2014;1:257-58.
12. Viswanath Reddy A, Prasad BCM, Ravindra Reddy G, Arun G. Maiya – A prospective randomized controlled trial on the effectiveness of low intensity laser therapy on the wound healing dynamics in pressure ulcers *Int J pharma res Biomed Sci* 2014;3:707-15.
13. Sai Sucharitha, Viswanath Reddy A, Madhavi K. Effectiveness of plyometric training on an aerobic power and agility in female badminton players *Int J pharma res Biomed Sci* 2014;3:754-61.
14. Lokapavani, Raghavakrishna S, Madhavi K. Influence of Pre-Operative physical therapy education and exercise on post-operative shoulder range of motion and functional activities in subjects with modified radical mastectomy *int J physiother* 2014;1:170.

### International Book Publication

Dr C. Shanthi, international book published on Static stretch and Hold relax Techniques over Hamstring A study to compare the Effectiveness of static stretch and Hold relax Techniques over Hamstring flexibility published by Verlag/Publisher; ISBN:978-3-659-54794-2.

### 30.7 CMEs/Seminars/Workshops/Orations conducted by the department

#### Guest lecturers organized:

1. Sri Maharshi Sagar – on Time management and personality development. Sri padmavathi auditorium, SVIMS, Tirupati, on 31.12.2014.
2. SriPrema Bhakthi Dasa - “Personality enrichment session on Management of

Anger” on 26.12.2014, College of physiotherapy auditorium, SVIMS, Tirupati.

3. Dr Asha Jyothi.G, Kineosotaping technique for shoulder, in college of physiotherapy on 19.08.2014.
4. Dr Desikamani – Clinical reasoning and decision making ability by physiotherapist on: 31.10.2014.

### Conference organized

01. National level conference on recent trends in physiotherapy – PHYSIOSVIMS-2014. Theme: Movement towards progress during 19<sup>th</sup> & 20<sup>th</sup> December – 2014 at Rastriya Sanskrit Vidhyapeetha, Tirupati.

### Organised C.M.E.

On the occasion World Down Syndrome Day C.M.E organized by college of physiotherapy in Sri Padmavath Auditorium, SVIMS, Tirupati.

01. Dr Naveen, Department of Neurology, SVIMS, Tirupati – “Screening & Clinical Management” on 22.03.2014.
02. S.Sethana, and Sandhya, P.G students, COP, SVIMS, Tirupati – “Case report and physiotherapy management” on 22.03.2014.

Awareness programme conducted in Sirish Mandir and RUIA Govt.Hospital, Tirupati.

### 30.8 Other academic activities

1. Dr K. Madhavi, Nominated as President of Andhra Pradesh Physicaltherapist Association (APPTA).
2. Dr K Madhavi, Ph.D Doctoral Committee Member – Ramakrishna Mission University, Coimbatore.
3. Dr K. Madhavi, Board Studies Member – KLE University, Belgum.
4. Dr K. Madhavi, Board of Studies Member for Ph.D., NTR – University, Vijayawada.
5. On the occasion of World physiotherapy day awareness programme conducted from 08.09.2014 to 12.09.2014 in and around Tirupati, The theme”Fit to take part”. All the



faculty participated from 08.09.2014 to 12.09.2014. And physiowalk was initiated by late Sri.M.Venkataramana, MLA, Tirupati on :08.09.2014 from SVIMS to Townclub, Gandhi Road, Municipal Office, V.V.Mahal Road, Tirupati.

6. On the occasion of world physiotherapy day, Andhra Pradesh Physical Therapy Association “APPTA” website was launched by Sri B.Gopal Krishna Reddy, Honourable Minister for forest and Environment Minister for Andhrapradesh on 08.09.2014.



## VII Central Facilities



## **VII. Central Facilities**

### **1.0 Computer Centre**

#### **Activities of computer centre:**

Hospital Information Management System is a workflow based ICT solution for Hospitals specifically meant for the hospitals in Government Sector, among which SVIMS is one. This is a generic software which covers major functional areas like patient care, laboratory services, work flow based document/ information exchange, human resource and medical records management of a Hospital. It is a patient-centric system rather than a series of add-ons to a financial system.

#### **Features**

- ISO / IEC 9126 Certified
- Based on HDF(HL7 Development Framework)
- Unicode based Indian Multilingual Support
- Vocabulary- ICD-10,LOINC etc.
- Embedded User Manual
- Comprehensive Reporting on various customizable parameters
- Comprehensive Role based Access control and Security
- Data Security and Privacy
- Audit logging of transactions
- Powerful Search facility and tracking of patient history
- Enables data sharing across various department
- Available on Linux as well as Windows platform

#### **National Knowledge Network:**

The NKN is a state-of-the-art multi-gigabit pan-India network for providing a unified high speed network backbone for all knowledge related institutions in the country. SVIMS is one among the reputed institutions which is in utilization of these services. The NKN comprises of an ultra-high speed CORE (multiples of 10 Gbps), complimented with a distribution layer at appropriate speeds. Participating institutions at

the Edge will connect to the National Knowledge Network seamlessly at speeds of 1 Gbps or higher.

#### **Facilities newly provided**

1. The no. of nodes were increased to 550 to improved the penetration of Hospital information management system (HIMS) with facilities for online registration, reporting and discharge. Further, new features like MIS reports in Pharmacy, Billing and Credit were appended.
2. New Cisco router was provided freely by National Knowledge Network(NKN) which supports 1500 nodes for the usage of internet with bandwidth of 10 Mbps through which centralized E-Library server, various department clients were connected.
3. To avoid standing in queue the NoQ services in Medical Records Department were increased to 18 specialties.

### **2.0 Central Library**

SVIMS University has an excellent health science library, presently located in the 1<sup>st</sup> floor of administrative building with a collection of 7847 books, subscription for 115 foreign and 11 Indian Journals. The library has a back volume journal collection dating back to 1993. The library is well equipped with modern facilities such as e-learning, access to internet and web resources including online journals and e-books. Access to e-resources subscribed by the library has also been provided for off-campus users. All the library services are being automated on modern lines by adopting KOHA library automation software. The computerization of collections is under process which will be accessible through OPAC. The library is enabled with security system with closed circuit television system. There is a computer lab consisting of 35 computers to access e-resources for library's users at free of cost. The library has all the facilities for students to learn. The main thrust of the library continues to be the improvement, of quality of services and facilities, achieving higher degree of user satisfaction and modernization of its activities and operations. The central library main aim is to provide easy access to right information at right time to all its users.



Construction of new library building stretching over 45,000 sqft. is under progress with a seating capacity of more than thousand students at a time with comfortable seating and reading environment with centralized air-conditioning.

### Library timings

The Central library is kept open for all the days in a year except on January 26<sup>th</sup> and August 15<sup>th</sup> being national holidays.

1. Monday to Saturday : 9.00 A.M. to 12.00 Midnight
2. Sundays : 10.00 A.M. to 4.00 P.M.
3. Festival holidays : 10.00 A.M. to 5.00 P.M.

### Library Resources:

The total collections of library resources as on 31<sup>st</sup> December 2014 as follows:

| Collection               | Added (during the year 2014) | Total (As on 31 <sup>st</sup> Dec., 2014) |
|--------------------------|------------------------------|---|
| Books                    | 612                          | 7847                                      |
| Journals                 | 127                          | 129                                       |
| Online journals          | 650                          | 650                                       |
| Back volumes of journals | 296                          | 6354                                      |

### Library E-resources

E-Resources are accessed via internet. The library provides access to wide variety of e-resources including e-books, e-journals, online databases, images, videos etc. All the library e-resources can be accessed on campus network. SVIMS Central Library is subscribing Elsevier's 'Clinicalkey' online database. The Elsevier 'Clinicalkey' is providing the following resources:

- All Elsevier Medical and Surgical Journals (Over 400)
- All Elsevier Medical and Surgical Reference Books (Over 7400)
- All Elsevier Medical and Surgical Clinics
- All First Consult Point of Care clinical monographs All procedures Consult content and associated videos

- All Elsevier medical and surgical procedure videos (Over 2500)
- All clinical Pharmacology drug monographs
- All Elsevier-associated and supplemental images and videos

### Facilities available

Photocopying, laser printing, scanning, CD/DVD writing, internet and MEDLARS search.

### Budget:

#### a. Books:

- I. Budget sanctioned for the year 2014 : Rs.18 Lakhs
- II. Number of books purchased : 569
- III. Budget utilized (as on 31/12/2014) : Rs.12.60 Lakhs

#### b. Journals

- I. Budget sanctioned : Rs.97 Lakhs
- II. Journals subscribed : 115 Foreign  
11 Indian

### Computing infrastructure

The central library has computing infrastructure including 35 computers, three printers and two scanners. All computers are connected to the campus wide network.

### Staff details

| No. | Name of the employee | Designation       |
|-----|----------------------|-------------------|
| 1   | K. Neelakanta Chetty | Librarian         |
| 2   | A. Omkar Murthy      | Asst. Librarian   |
| 3   | V. Muni Krishna      | Library Assistant |
| 4   | V. MadhuSudhan       | Library Assistant |
| 5   | N. Prabhavathi       | Library Assistant |
| 6   | M.V. Sarada          | Library Assistant |
| 7   | R. Jagadeesh Babu    | Documentalist     |
| 8   | JVS Prasad           | Daftarier         |

### Details of journal publication

The library has a team of librarian, assistant librarian, six library assistants and two support staff members who are committed to their work. In order to enhance their motivation and to upgrade their knowledge and skills the staff were deputed to various conferences organized in different parts of Andhra Pradesh during the year 2014. A. Omkar Murthy, Assistant librarian has attended six conferences and made presentations and published article entitled 'Health Care Awareness Among Scheduled Tribe (ST) Women: A Cross Sectional Study at Chittoor District in Andhra Pradesh'. Published in *International Journal of Contemporary Issues (IJCI)*. Vol.2:1,2014 Page No.86-94.



E-Library



Journal reading hall

### 3.0 Central Research Laboratory

The Central research laboratory is well established in this institute with the state of the art facilities such as thermocyclers (PCR machine), Real-time PCR, automated DNA sequencer, spectrophotometers, electrophoretic instruments with gel documentation facility, fluorescent

microscope, electron microscope, confocal microscope and refrigerated centrifuges, ultra centrifuges, autoclaves, class I to III laminar air flows 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 themselves with the experimental evidences which help in understanding the progression/ cause of diseases thereby better patient care can be given through proper diagnosis, treatment and management of various diseases. The central research laboratory of the institute at present caters to: a) regenerative medicine b) genetical analysis of various diseases to understand the progression and cause of disease and c) understanding of pathogenesis of *Staphylococcus aureus*.

### 4.0 Right to Information Act-2005

India being democratic Nation securing the liberty, freedom and rights of its citizens under the constitution of India, the Central Government has enacted Right to Information Act, 2005 for promoting transparency and accountability in the working of the Public Authority. SVIMS is actively involved in promoting the RTI ACT and it has been pioneering the cause for which the Act has been enacted. SVIMS has been providing information since 2005 to the seekers as per the provisions and guidelines of the RTI ACT. The following are public authorities in SVIMS for implementing RTI ACT.

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. Registrar                         | :Appellate Authority              |
| 2. Dy. Registrar                     | :Public Information Officer       |
| 3. Asst.Prof. (HA)/RMO               | :Asst. Public Information officer |
| 4. Personnel Manager                 | : -do-                            |
| 5. Accounts Officer                  | : -do-                            |
| 6. Controller of Examinations        | : -do-                            |
| 7. Asst. Director (Public Relations) | : -do-                            |
| 8. Asst. Director (Purchase):        | : -do-                            |
| 9. General Manager (O)               | : -do-                            |
| 10. Medical Records Officer:         | : -do-                            |

### 5.0. Animal House

The animal house at SVIMS was developed in 2004, since then it is adequately maintained with the following facilities.

#### Infrastructure

There are 5 spacious rooms to facilitate the free movement of the attendant and the animals with adequate light and ventilation. One room is approximately of 15x8½ feet in dimensions, and other four rooms are approx. 7 ½ x 8 ½ feet.

One room each is used for accommodating the animals, quarantine, storage of feed, storage of cages and other items and one room for cleaning the cages. Regular cleaning of the rooms is carried out with disinfectants to keep the animal facilities free from pests and vermins.

Physical separation of animals by species is maintained to prevent inter-species disease transmission and to eliminate anxiety and possible physiological and behavioral changes due to inter-species conflict.

**Animals :** Adequate number of rabbits, guinea pigs & mice are available

**Staff:** Animal Attendants-1 and Veterinarian-Part time

The animal attendant takes the animals to a veterinarian who treats them whenever there is any infection/disease.

#### Budget

Depending on the population of animals approximately Rs 350/month are spent for each animal primarily for the foodstuff.

#### Uses of the animals in SVIMS

In our institute the animals are being used by the departments of Microbiology, Pathology and Biochemistry, and Biotechnology for post-graduate teaching and research purpose.

### 6.0 Bala Mithra Creche

Bala Mithra Creche which was started during the year 2011 has been functioning successfully with all amenities. The center accommodates children above six months of age. 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 creche is equipped with four 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.

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 Creche 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 to render child development programs in crèche and this may become fruitful in near future. The children will be benefitted through this welfare measure.

As some of the SVIMS staff are now reaching middle age and becoming grand parents, the crèche is serving to look after the grand children of SVIMS staff also.

## **7.0. ENGINEERING SECTION, SVIMS, TTD**

### **Executive Engineer**

Mr. CH. Ravi Prabhakar

### **Dy. Executive Engineers**

Mr. P. Damodaram

Mr. M.U.Shareef

### **Asst. Engineers / Asst. Executive Engineers**

Mr. K. Suresh Reddy

Mr. C. Murali Mohan

### **Technical Officer**

Mr. D. Sobhan Babu

### **Asst. Technical Officers**

Mr. S. Kishore

Mr. N. Luther Babu

### **Junior Assistant**

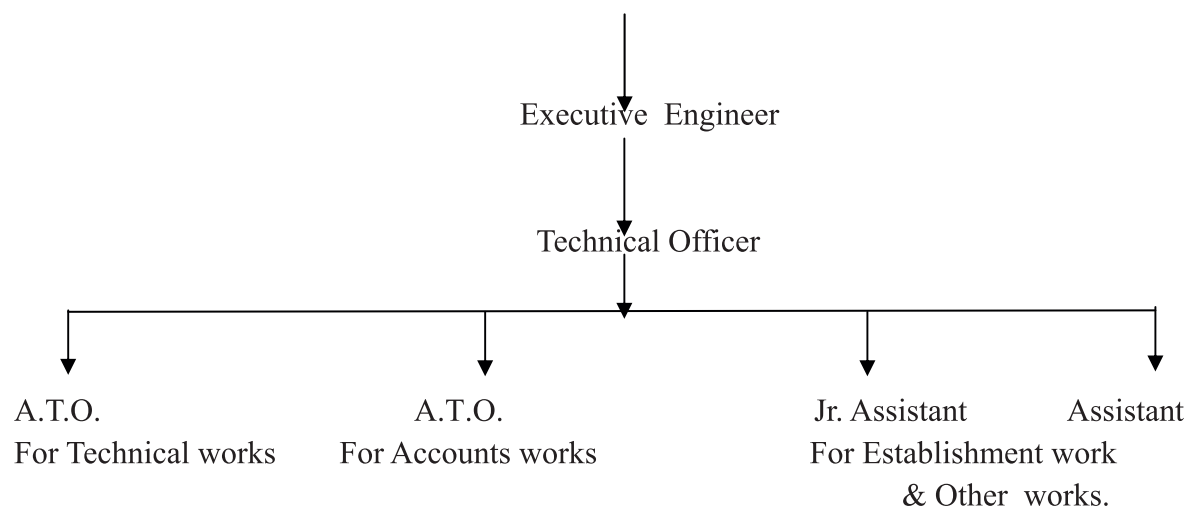
Mr. N. Ravi

### **Assistant**

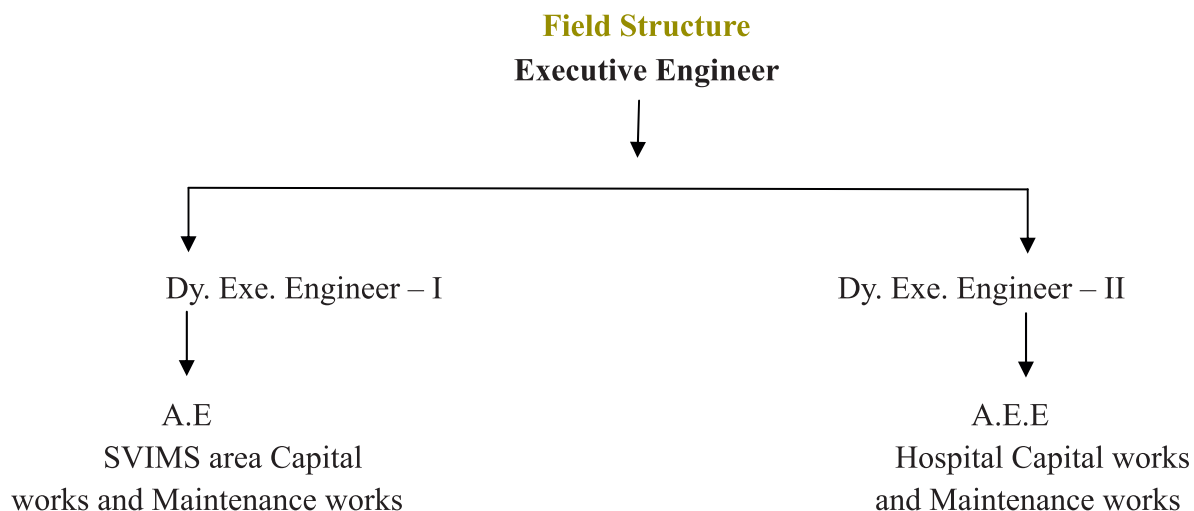
Smt. P. Santhi

The TTD established one separate Engineering Division for execution of Capital and Maintenance works.

### **Office structure**







### Works completed in the Current financial year 2014-15

| S.No. | Name of the work  | Cost in Lakhs Rs. |
|-------|---|-------------------|
| 1     | Construction of building for Central stores (Medical and surgical stores) on the back side of new O.P.D. Block  | 40.28             |
| 2     | Construction of Prayer and Meditation hall in SVIMS, Tirupati.  | 11.00             |
| 3     | Construction of extension of Gas room adjacent to the existing Gas room in SVIMS.   | 13.50             |
| 4     | Construction of PEB structure for central work shop for electrical, civil and bio-medical engineering department in western side of generator room in SVIMS | 16.00             |
| 5     | Development of open parking area in front of Oncology block in SVIMS  | 9.05              |
| Total |   | 89.83             |

### Work in progress in the current financial year 2014-15

| S.No. | Name of the work  | Estimated Cost in Lakhs Rs. |
|-------|---|-----------------------------|
| 1.    | Construction of 50 special rooms with exclusive floor for dialysis patients in the SVIMS premises, Tirupati   | 385.00                      |
| 2.    | Construction of additional three floors over the existing first floor or girls Hostel in SVIMS premises, Tirupati   | 400.00                      |
| 3.    | Construction of Brachy therapy chambers adjacent to Radiation Oncology block, SVIMS, Tirupati   | 30.00                       |
| 4.    | Construction of 2 <sup>nd</sup> floor over the existing canteen building at SVIMS, Tirupati   | 54.00                       |
| 5.    | Construction of 2 <sup>nd</sup> floor over the existing Oncology block for Radiation Oncology ward and 3 <sup>rd</sup> floor for Medical Oncology ward in SVIMS, Tirupati | 163.00                      |

**Works sanctioned yet to be taken up for 2015-16 year**

| Sl.No. | Name of the work  | Estimated Cost in Lakhs Rs. |
|--------|---|-----------------------------|
| 1.     | Construction of 3 <sup>rd</sup> floor over 2 <sup>nd</sup> floor of PG Resident doctors Hostel building SVIMS, Tirupati                         | 118.00                      |
| 2.     | Construction of Central Library building to SVIMS at Tirupati   | 675.00                      |
| 3.     | Providing 1.0 MLD sewage plant to SVIMS at Tirupati   | 200.00                      |
| 4.     | Painting to hostels of Boys & Girls, PG Hostel, Animal house, old staff quarters and Old Professors quarters in premises of the SVIMS, Tirupati | 16.00                       |
| 5.     | Construction of dormitory block for patient attendants near new OPD block in SVIMS, Tirupati (2 <sup>nd</sup> phase)                            | 160.00                      |
| 6.     | Sewage water Treatment Plant  | 170.00                      |

**Works yet to be approved by Executive Officer, TTD**

| Sl.No. | Name of the work   | Estimated Cost in Lakhs Rs. |
|--------|--|-----------------------------|
| 1.     | Construction of 3 floors over Existing second floor of Boys hostel and additional floor over existing first floor of Dining hall at SVIMS. | 540.00                      |
| 2.     | Construction of additional floor over existing dining hall to Girls hostel at SVIMS  | 55.00                       |
| 3.     | Providing approach road to compost yard in SVIMS   | 22.50                       |
| 4.     | Rain water Harvesting pits in the premises of SVIMS quarters area, Tirupati  | 9.90                        |
| 5.     | Construction of open entrance arch for SVIMS, BIRRD, Ayurvedic Hospital at Valmiki circle, Tirupati  | 20.00                       |
| 6.     | Water harvesting and recharging of ground water  | 14.00                       |

**New proposals to be sanctioned**

| Sl.No. | Name of the work   | Estimated Cost in Lakhs Rs. |
|--------|--|-----------------------------|
| 1.     | Construction of Dormitory block for patient attendance near new OPD block in SVIMS (In Phase –II)  | 160.00                      |
| 2.     | Construction of 4 <sup>th</sup> floor over existing OPD block for use of Casualty extension, MM & FM ward, Microbiology labs, Examination, Seminar & Dining hall and posters area etc., in SVIMS | 390.00                      |
| 3.     | Construction of 150 special rooms for various departments of specialty block, SVIMS  | 635.00                      |
| 4.     | Construction of High dose Therapy block near Nuclear Medicine dept. in Service block, SVIMS  | 110.00                      |
| 5.     | Beautification and improvements of foot path from Valmiki circle to OPD block circle   | 120.00                      |
| 6.     | Construction of Additional floors over patient attendants dormitory block for Gynaecology and pediatric wards.   | 350.00                      |
| 7.     | Construction of Casualty and Trauma care center in front of OPD block, SVIMS   | 220.00                      |
| 8.     | Construction of Molecular Biology Research lab building in SVIMS   | 630.00                      |

|         |   |         |
|---------|---|---------|
| 9.      | Additional floor over the existing MRI building for Seminar hall and class rooms in SVIMS   | 75.00   |
| 10.     | Additional floor with PEB structure over administrative block for providing general wards, SVIMS  | 90.00   |
| 11.     | Proposed Construction of Indoor Stadium and Recreation Facility for Staff and Students to SVIMS   | 198.00  |
| 12.     | Elevated service tank 5.00 Lakhs liters capacity for SVIMS  | 135.00  |
| 13.     | Construction of additional Quarters for PG Resident Doctors for SVIMS   | 700.00  |
| 14.     | Laying of pipe lines for 1.00 MLD Tertiary sewage treatment plant at SVIMS  | 85.00   |
| 15.     | Construction of Radiology, Ultrasound & Mammography rooms in ground floor, seminar hall, DSA lab & class room in first floor in front of MRI building, SVIMS. | 103.00  |
| Total : |   | 4001.00 |

**New proposals for capital works costing 10.00 lakhs to Rs. 50.00 lakhs (buildings)**

| S.No. | Name of the work  | Estimated Cost in Lakhs Rs. |
|-------|---|-----------------------------|
| 1.    | Proposed parking facility for 4 Wheeler Vehicles belonging to patients near Nursing College, SVIMS.                             | 16.00                       |
| 2.    | Proposed 'PEB' structure for Dining hall of patients in SVIMS   | 45.00                       |
| 3.    | Construction of MRD files store room in 4 <sup>th</sup> and 5 <sup>th</sup> floor over Central Store Building, SVIMS.           | 25.00                       |
| 4.    | Providing chain link fencing and cement concrete pavers flooring to water pumping yard, generator room and cooling towers SVIMS | 36.00                       |
| 5.    | SS pipe Fencing around garden in front of OPD, SVIMS  | 15.00                       |
| 6.    | Providing additional space for 2 wheeler & 4 wheeler paid parking in between BIRRD & SVIMS.                                     | 21.00                       |
| 7.    | Construction of Modern laundry building for SVIMS Hospital.   | 36.00                       |
| 8.    | Proposed Construction of out door play ground and stadium (Track & field) for staff and students in SVIMS premises              | 50.00                       |
| Total |   | 244.00                      |

**New proposals capital works costing between 10.00 lakhs to 50.00 lakhs (Road works)**

| S.No. | Name of the work  | Estimated Cost in Lakhs Rs. |
|-------|---|-----------------------------|
| 1.    | Renewal coat painting to Administrative Block, SVIMS                | 15.00                       |
| 2.    | Renewal coat painting to Central Block, SVIMS                       | 18.00                       |
| 3.    | Renewal coat painting to Specialty Block, SVIMS                     | 24.00                       |
| 4.    | Renewal coat painting to OPD Block, SVIMS                           | 24.00                       |
| 5.    | Renewal coat painting to Service Block, SVIMS                       | 18.00                       |
| 6.    | Renewal coat painting to Oncology Block, SVIMS                      | 15.00                       |
| 7.    | Renewal coat painting to College of Physiotherapy and Nursing SVIMS | 21.00                       |

|     |   |        |
|-----|---|--------|
| 8.  | Proposed Road for diversion of traffic of BIRRD & Bharathiya Vidhya Bhavan on rear side of BPT college and open drain | 30.00  |
| 9.  | Laying of B.T. Renewal coat for internal roads in the premises of SVIMS   | 65.00  |
| 10. | Providing approach road to compost yard in SVIMS  | 23.50  |
|     | Total   | 253.50 |

**New proposals capital works costing up to 10 lakhs**

| S.No. | Name of the work   | Estimated Cost in Lakhs Rs. |
|-------|--|-----------------------------|
| 1.    | Proposed construction of publication stall in SVIMS  | 10.00                       |
| 2.    | Rain water harvesting pits in the premises of SVIMS  | 9.90                        |
| 3.    | Providing water harvest pits in Sub division-II SVIMS  | 5.00                        |
| 4.    | Construction of Book stall for students of Medical College, and other students of SVIMS                              | 10.00                       |
| 5.    | Providing Chain link fencing and Cement Concrete pavers flooring to water pumping yard at SVIMS                      | 6.30                        |
| 6.    | Providing walking track Between Professors and Asst. Professors quarters and Directors Bungalow for faculty of SVIMS | 4.00                        |
|       | Total  | 45.20                       |

**Works sanctioned under Sri Venkateswara Pranadana trust will be taken up under SBAPV scheme**

| S. No. | Name of the work (Existing)   | Estimated Cost in Lakhs Rs. |
|--------|---|-----------------------------|
| 1.     | Construction of Molecular Biology Research lab Building in SVIMS, Tirupati. | 630.00                      |
| 2.     | Proposed Construction of Central Library building to SVIMS, Tirupati.       | 675.00                      |
|        | Total   | 1305.00                     |

**Civil Works sanctioned under TTD budget**

| S. No. | Name of the work (Existing)  | Estimated Cost in Lakhs Rs. |
|--------|--|-----------------------------|
| 1.     | Construction of third floor over the second floor for PG Resident Doctors hostel building in SVIMS, Tirupati | 118.00                      |
| 2.     | Construction of Dormitory block for patients attendants near OPD, SVIMS Tirupati. (Phase-II)                 | 160.00                      |
| 3.     | Providing 1 MLD Sewage treatment plant for SVIMS premises, Tirupati  | 200.00                      |
| 4.     | Providing Entrance (Temple Ornamental) Arch for SVIMS near Valmiki Circle Tirupati.                          | 18.00                       |
| 5.     | Painting to hostel and staff Quarters of SVIMS, Tirupati.  | 16.00                       |
| 6.     | Proposed parking facility for 4 wheeler vehicle belonging to patients near College of Nursing, SVIMS         | 16.00                       |
|        | Total  | 528.00                      |



**New proposals (Electrical works) under Sri Venkateswara Pranadana trust budget for**

| S. No. | Name of the work  | Estimated Cost in Lakhs Rs. |
|--------|---|-----------------------------|
| 1.     | Supply, installation of 1 MVA DG set of to the Additional up coming loads in SVIMS.   | 360.00                      |
| 2.     | Enhancement of panel board switches and other accessories to existing panel board available in Generator room in SVIMS.             | 20.00                       |
| 3.     | Replacement of old panel boards which are existing in administrative block Radiotherapy in SVIMS.                                   | 15.00                       |
| 4.     | Replacement of old AC units available in different location in SVIMS.   | 0.00                        |
| 5.     | Replacement of AHU units with new one in Surgical GE, Cardiology, Radiotherapy, Neurology wards, SVIMS                              | 29.00                       |
| 6.     | Replacement and providing new bottle type cooler plant (2 Nos.) in SVIMS  | 26.00                       |
| 7.     | Replacement of old fan coil units available in different location in SVIMS Hospital, Tirupati                                       | 10.00                       |
| 8.     | Supply, installation, Testing and commissioning 2 Nos of 80 KVA online UPS system to New dialysis block in SVIMS                    | 32.00                       |
| 9.     | Supply, installation, Testing and commissioning of centralized air conditioning system to newly constructed Dialysis block in SVIMS | 191.00                      |
| 10.    | Supply, installation, testing and commissioning of 750 KVA DG Set at SVIMS  | 95.00                       |
| 11.    | Providing UG cables, distribution panels to newly proposed AC plant, DG set and dialysis control room at SVIMS                      | 35.00                       |
|        | Total   | 813.00                      |

**New proposals (Civil works) as per priority of Director-cum-VC, SVIMS under Sri Venkateswara Pranadana trust**

| S. No. | Name of the work   | Estimated Cost in Lakhs Rs. |
|--------|--|-----------------------------|
| 1.     | Construction of High Dose therapy block near Nuclear Medicine ward in Service block, SVIMS, Tirupati                                 | 102.00                      |
| 2.     | Construction of Special rooms and plasema pheresis unit over dialysis extension building in SVIMS, Tirupati.                         | 635.00                      |
| 3.     | Construction of Radiology Ultrasound & Memmography rooms in front of MRI Building.   | 103.00                      |
| 4.     | Construction of Additional Quarters for 150 P.G. Residential Doctors at SVIMS, Tirupati.   | 1050.00                     |
| 5.     | Proposed construction over 3rd floor of OPD block for Dining hall, poster area and exhibition hall                                   | 390.00                      |
| 6.     | Laying of pipe lines for 1.00 MLD tertiry sewage Treatment plant at SVIMS, Tirupati.   | 100.00                      |
| 7.     | Construction of structuer for storage of MRD files over central stores building SVIMS Tirupathi.                                     | 23.00                       |
| 8.     | Providing Entrance (Temple Ornamental) Arch for SVIMS near Valmiki Circle Tirupati.  | 0.00                        |
| 9.     | Beautification and improvements of foot path, widening of road and drains from valmiki circle to OPD block circle.                   | 50.00                       |
| 10.    | Laying of B.T Renewal coat for internal roads in the premises of SVIMS, Tirupati.  | 65.00                       |
| 11.    | Providing shelters for 2 wheeler & 4 sheeler paid parking in between BIRRD & SVIMS.  | 20.00                       |
| 12.    | Providing compound wall around garden infront of OPD, SVIMS  | 18.00                       |
| 13.    | Painting to hostel and staff Quarters of SVIMS, Tiruapti.  | ---                         |
| 14.    | Proposed Road for Diversion of traffic of BIRRD & Bharathiya Vidhya Bhavan on rear side of BPT college.                              | 18.00                       |
| 15.    | Providing chain link fencing and pavement to water pumping yard at SVIMS, Tirupati.  | ---                         |
| 16.    | Rain water Harvesting pits in the premises of SVIMS area, Tirupati.  | 5.60                        |
| 17.    | Improvements in Speciality Block, Central block and Administrative block in SVIMS, Tirupati.   | 48.00                       |
| 18.    | Construciton of Modern Laundry building of SVIMS Hospital.   | ---                         |
| 19.    | Providing walking track Between professors and Asst.Professors quarters and Directors Bungalow for Faculty of SVIMS, Tirupati.       | 4.00                        |
| 20.    | Construction of Molecular Biology Research lab Building in SVIMS, Tirupati.  | 0.00                        |
| 21.    | Proposed Construction of Central Library building to SVIMS, Tirupati.  | 0.00                        |
| 22.    | Construction of elevated service reservoir 5.00 lakh liters for SVIMS, Tirupati.   | --                          |
| 23.    | Construction of Additional floors over existing Dining hall to Girls hostel at SVIMS, Tirupati (Nursing and Physiotherapy Students). | 55.00                       |
|        | Total  | 2686.60                     |

## 8.0. Purchase Section

Purchase section is responsible for all purchases required by the Hospital & University. The section will process the requests received from the departments for purchase of various surgical consumables, disposables, implants, medicines, chemicals, diagnostic kits, sanitary, stationary, linen equipment, spares, instruments, furniture electronic items (personal computers, printer, Scanners) etc. through Tenders and Quotations.

### 1. Purchase committee

#### Chairman

1. Dr B. Siddartha Kumar, Prof. of Medicine

#### Members

2. Medical Superintendent
3. Chief Accounts Officer, TTD
4. The Prof. & Head, Dept. of IHBT
5. The Prof. & Head, Dept. of Endocrinology
6. The Assoc. Prof., Dept. of Neurosurgery
7. The Accounts Officer
8. Senior Biomedical Engineer
9. The Asst. Director (Purchase)

### 2. Purchase Committee Meetings

- i) A Meeting was held on 29/04/2014 to discuss about the following equipments

- a) Bedside Ultrasound machine for vascular access procedures and Dialysis machine (one no.) to the Dept. of Nephrology
- b) CRW – Stereotaxy frame and Cavitron Ultrasonic surgical aspirator to the Dept. of Neurosurgery
- c) Jet Ventilator to the Dept. of Anaesthesiology.
- d) Centrifugal Pump to the Dept. of CT Surgery.
- e) Flexible Nasopharyngoscope with working channel and accessories to the Dept. of Surgical Oncology from the funds of MLA (Tirupati assembly) Quota.

- ii) A Meeting was held on 12/06/2014 for taking a decision of the following equipments

- a) Vidar Scanner and Endoscope, Light source and fibro optic wire to the Dept. of Radiotherapy

- b) Nikon Microscopes to the Dept. of Pathology
- c) Flexible Nasal Endoscope with biopsy channel to the Dept. of Surgical Oncology
- d) Centrifugal Pump to the Dept. of C.T. Surgery.

- iii) A Meeting was held on 24/06/2014 for taking a decision on Blood Bank Refrigerator 4°C – 6°C, 600 liters capacity (300 bags) to the Dept. of IHBT.

- iv) A Meeting was held on 29/07/14 for taking a decision of the following equipments

- a) Eligibility criteria of mandatory requirements uploaded by the participants through e-procurement.
- b) Revised proposals towards purchase of bedside Ultrasound machine to the Dept. of Nephrology.
- c) Jet Ventilator to the Dept. of Anesthesiology.

- v) A Meeting was held on 11/10/2014 to discuss on the following

- a) CT scanner to the Dept of Radiology
- b) Purchase of certain equipments for starting of Virology laboratory in the Dept. of Microbiology.

### 3. Opening of Tenders

- i) e-Tenders opened on 28/02/2014 for the following equipments:

- a) PFT machine to the Dept. of Medicine (Price bid to be opened- Under Process)

- b) Platelet Agitator and Incubator for 48 bags and Central monitoring system to the Dept. of IHBT (Equipment received – amount paid)
  - c) -86<sup>0</sup> deep freezer to the Dept. of Biochemistry (Price bid to be opened)
  - d) Thermocycler to the Dept. of Endocrinology (P.O released)
  - e) Automated Elisa Equipment to the Dept. of Biochemistry (To cancel the tender as it is single tender)
  - f) 09KW Horizontal Autoclave Machine (Under Buy Back) to the Dept. of General Manager Office (Equipment received – amount to be paid)
  - g) Refrigerated Centrifuge (Under buy back) to the Dept. of Blood Bank (Equipment received – Amount to be Paid)
  - h) Clinical Electrophoresis system to the Dept. of Biochemistry (Tender cancelled - mail sent to APMSIDC for getting P.O. If they procure, SVIMS, will release repeat P.O., otherwise, it will be included in the SVIMS tender)
  - i) 36 KW Horizontal Autoclave Machine (under buy back) to the Dept. of General Manager Office (Tender cancelled - mail sent to APMSIDC for getting P.O. If they procure, the SVIMS, will release repeat P.O., otherwise, it will be included in the SVIMS tender)
  - j) Diathermy Machine to the Dept. of Urology (Tender cancelled - mail sent to APMSIDC for getting P.O. If they procure, the SVIMS., will release repeat P.O., otherwise, it will be included in the SVIMS tender.)
- ii) Medical Tender opened on 30/04/2014 for Medical items, diagnostic kits and reagents.
- iii) Technical Bids through e-Tenders opened on 27/06 /2014 for the following equipments:
- a) Diathermy machine to the Dept. of Surgical Gastroenterology (File put up for releasing P.O)
  - b) Dialysis machine to the Dept. of Nephrology (Equipment received – amount to be paid)
  - c) Flexible Nasopharyngoscope with working channel and accessories to the Dept. of Surgical Oncology (equipment received – amount to be paid)
  - d) Defibrillator to the Dept. of C.T. Surgery
  - e) ETO Gas Sterilizer to the G.M (O) section
  - f) Capillary Electrophoresis to the Dept. of Biochemistry
  - g) Dark Field Microscope to the Dept. of Microbiology
  - h) Clinical Electrophoresis to the Dept. of Biochemistry (tender cancelled -mail sent to APMSIDC for getting P.O.).
- iv) General Tenders were opened on 08/07/2014 for the items i.e., stationery, sanitary, linen & computer stationery items.

#### **4. Others**

1. Price bid opening & negotiations meeting was held on 28/07/2014 for stationery, sanitary, linen items.
2. Technical evaluation held on 19/07/2014 for general items i.e., stationery, sanitary, linen items.

#### **5. Purchase Committee Members for SPMC (W)**

Chairman

1. Dr J. Vasudeva Reddy, Prof., Dept. of Anatomy

Members

2. Dr G. Parvathi, Prof. & HOD, Physiology
3. Dr B. Santhamma, Prof & HOD, Pharmacology
4. Dr S. Sujith Kumar, Asst. Prof. & HOD, Community Medicine
5. Dr K.V. Sreedhar Babu, Assoc. Prof, Dept., of IHBT
6. Mr. D.V. Dilip Kumar, Asst. Director (Purchase) - Convener



| Sl. No. | Name of the equipment  | Qty. No. | Amount Rs.                            | Department               | Source of Fund         |
|---------|--|----------|---------------------------------------|--------------------------|------------------------|
| 01      | Portable 2D Echo Colour Doppler System (MYLAB 25 Gold)               | 01       | 19,00,000                             | Cardiology               | Pranadana              |
| 02      | Galileo "Mizar" 40 channel digital video EEG System                  | 01       | 18,99,000                             | Neurology                | Pranadana              |
| 03      | Body Composition Analyser  | 01       | 6,54,100                              | Physiotherapy            | SVIMS                  |
| 04      | Penta Head Microscope  | 01       | 11,62,481                             | Pathology                | Pranadana              |
| 05      | Platelet Agitator & Incubator for 48 bags                            | 01       | 3,65,000                              | Transfusion Medicine     | Pranadana              |
| 06      | Central Monitoring System  | 01       | 2,99,990                              | Transfusion Medicine     | Pranadana              |
| 07      | Minimally Invasive Tube Retractor system                             | 01       | 9,39,992                              | Neurosurgery             | Pranadana              |
| 08      | QA Test  | 01       | 78,315                                | Radiology                | SVIMS                  |
| 09      | 9Kw Autoclave  | 01       | 5,40,000                              | G.M(o)                   | SVIMS                  |
| 10      | Operating Microscope   | 01       | 1,70,35,910                           | Neurosurgery             | Pranadana              |
| 11      | Haemodialysis Machine  | 01       | 9,70,000                              | Nephrology               | MLA Quota              |
| 12      | Flexible Nasopharyngoscope with working channel and accessories      | 01       | 7,50,000                              | Surgical Oncology        | MLA Quota & SVIMS FUND |
| 13      | PCR Thermocycler Mastercycler nexus                                  | 01       | 6,14,250                              | Endocrinology            | Pranadana              |
| 14      | Olympus Inverted Research Microscope model CKx 41 complete set       | 01       | 10,67,625                             | Blood Bank               | Pranadana              |
| 15      | Double Distilled water plant & water still                           | 01       | 1,79,152                              | Microbiology             | SVIMS                  |
| 16      | 5mm 30° Telescope  | 01       | 1,74,825                              | General Surgery          | SVIMS                  |
| 17      | ML201s + Examination Light   | 01       | 62,790                                | Surgical Oncology        | SVIMS                  |
| 18      | Orange Brand Syringe Pumps Model flowsens prima                      | 10       | 2,45,000                              | Casualty                 | SVIMS                  |
| 19      | Slide filing cabinet (Horizontal Manner)                             | 01       | 1,16,424                              | Pathology                | SVIMS                  |
| 20      | Therapeutic Electrical Stimulator & Diagnostic Electrical Stimulator | 05       | 42,893                                | College of Physiotherapy | SVIMS                  |
| 21      | Nikon Binocular Microscope with accessories                          | 03       | Japanese yens 396,375<br>Rs. 2,41,788 | Pathology                | SVIMS                  |
| 22      | Multifunction gym  | 01       | Rs. 1,99,500                          | College of Physiotherapy | SVIMS                  |
| 23      | Rigid Ureteroscope   | 01       | 2,06,850                              | Urology                  | SVIMS                  |

|    |   |       |             |                           |           |
|----|---|-------|-------------|---------------------------|-----------|
| 24 | Mobile Tank 150 ltrs capacity, HDPE white, m.s.skid mounted with booster diaphragm pump | 01    | 32,088      | Nephrology                | SVIMS     |
| 25 | ECG Machines 12 Channels (ECG Recorder)   | 02    | 2,05,178    | C.T.Surgery<br>Medicine   | SVIMS     |
| 26 | Hemoguard Blood Bank Refrigerator   | 01    | 2,19,450    | Blood Bank                | SVIMS     |
| 27 | Defibrillator   | 01    | 2,82,975    | Casualty                  | SVIMS     |
| 28 | Spectronic 200 Spectrophotometer  | 01    | 1,98,450    | Biochemistry              | SVIMS     |
| 29 | “ERBA” “ELISA Scan EM” & “ERBA” “ELISA wash”  | 01    | 2,07,900    | Biochemistry              | SVIMS     |
| 30 | Refrigerated Centrifuge   | 01    | 37,78,500   | Blood Bank                | Pranadana |
| 31 | Tilt table child (Electric Operated)  | 01    | 35,611/-    | College of Physiotherapy  | SVIMS     |
| 32 | Rowing Machine  | 01    | 84,788/-    | College of Physiotherapy  | SVIMS     |
| 33 | Denom count- E Loose Note Counting Machine  | 01    | 19,465/-    | Cash & Billing Section    | SVIMS     |
| 34 | Semi Automated Rotary Microtome   | 01    | 4,75,000/-  | Pathology                 | SVIMS     |
| 35 | Examination Lamp  | 01    | 79,800/-    | Surgical Oncology         | SVIMS     |
| 36 | Fogger (Plastic Tank)   | 01    | 27,248/-    | Surgical Gastroenterology | SVIMS     |
| 37 | Serological Water Bath & Laboratory Centrifuge  | 01    | 1,10,159/-  | Microbiology              | SVIMS     |
| 38 | Treadmill   | 01    | 2,09,738/-  | College of Physiotherapy  | SVIMS     |
| 39 | Electronic Weighing Machine   | 01    | 76,511/-    | Medical Oncology          | SVIMS     |
| 40 | Nikon Binocular Microscope Model E-200  | 01    | 97,500/-    | Nephrology                | SVIMS     |
| 41 | Nikon Binocular Microscope Model E-200  | 02    | 1,95,000/-  | Pathology                 | Pranadana |
|    |   | Total | 3,60,81,246 |                           |           |



## **VIII Statutory bodies**



## VIII. Statutory Bodies

The following bodies will govern the institute:

## 1.0 The Governing Council:

|     |  |                               |
|-----|--|-------------------------------|
| 1.  | Sri N. Chandrababu Naidu<br>Hon'ble Chief Minister of A.P.<br>Government of Andhra Pradesh   | Chairman-Cum-Chancellor       |
| 2.  | Dr Kamineni Srinivas<br>Hon'ble Minister for Health & Medical Education,<br>Government of Andhra Pradesh                                 | 1 <sup>st</sup> Vice-Chairman |
| 3.  | Sri J.S.V. Prasad, IAS<br>Prl. Secretary to Govt.<br>Rev. Endts. Dept. & Chairman, TTD Specified Authority, Government of Andhra Pradesh | 2 <sup>nd</sup> Vice-Chairman |
| 4.  | Dr B. Vengamma<br>Director-cum-VC<br>SVIMS, Tirupati   | Member                        |
| 5.  | Sri L.V. Subramanyam, IAS<br>Prl. Secretary to Govt.<br>HM & FW Dept., Government of Andhra Pradesh                                      | Member                        |
| 6.  | Dr P.V. Ramesh, IAS<br>Prl. Secretary to Govt.<br>Finance Dept. (R&E)<br>Government of Andhra Pradesh                                    | Member                        |
| 7.  | Dr D.Samba Siva Rao, IAS<br>Executive Officer<br>Tirumala Tirupati<br>Devasthanams, Tirupati   | Member                        |
| 8.  | Director<br>NIZAM's Institute of Medical Sciences, Hyderabad   | Member                        |
| 9.  | Nominee of University Grants Commission  | Member                        |
| 10. | The Director General of Health Services Govt. of India or his Nominee  | Member                        |

|     |   |           |
|-----|---|-----------|
| 11. | The President, Medical Council of India or his nominee                  | Member    |
| 12. | The Vice-Chancellor<br>Dr NTR University of Health Sciences, Vijayawada | Member    |
| 13. | The Vice-Chancellor<br>Sri Venkateswara University Tirupati             | Member    |
| 14. | Dr B.C.M. Prasad<br>Dean, SVIMS, Tirupati                               | Member    |
| 15. | Two members nominated by TTD  | Member    |
| 16. | Two members of Faculty of the Institute to be nominated by the Chairman | Member    |
| 17. | Four members to be elected by the Academic Senate, SVIMS                | Member    |
| 18. | Dr V.S.R. Anjaneyulu,<br>Registrar, SVIMS, Tirupati.                    | Secretary |

*The Governing Council meeting for the year 2014 was held on 14.08.2014.*

## 2.0 The Executive Board

|    |  |               |
|----|--|---------------|
| 1. | Dr Kamineni Srinivas<br>Hon'ble Minister for Health & Medical Education,<br>Government of Andhra Pradesh                                 | Chairman      |
| 2. | Sri J.S.V. Prasad, IAS<br>Prl. Secretary to Govt.<br>Rev. Endts. Dept. & Chairman, TTD Specified Authority, Government of Andhra Pradesh | Vice-Chairman |
| 3. | Sri L.V. Subramanyam, IAS<br>Prl. Secretary to Govt.<br>HM & FW Dept., Government of Andhra Pradesh                                      | Member        |
| 4. | Dr P.V. Ramesh, IAS<br>Prl. Secretary to Govt.<br>Finance Dept. (R&E)<br>Government of Andhra Pradesh                                    | Member        |



|    |  |        |
|----|--|--------|
| 5. | Dr D.Samba Siva Rao, IAS<br>Executive Officer<br>Tirumala Tirupati<br>Devasthanams, Tirupati | Member |
| 7. | Dr B. Vengamma<br>Director-cum-VC, SVIMS   | Member |
| 8. | Dr B.C.M. Prasad<br>Dean, SVIMS  | Member |

*The Executive Board meeting for the year 2014 was held on 16.07.2014.*

### 3.0 The Finance Committee

|    |  |              |
|----|--|--------------|
| 1. | Dr B. Vengamma<br>Director-cum-VC, SVIMS   | Chair person |
| 2. | Sri L.V. Subramanyam, IAS<br>Prl. Secretary to Govt.<br>HM & FW Dept., Government<br>of Andhra Pradesh   | Member       |
| 3. | Dr P.V. Ramesh, IAS<br>Prl. Secretary to Govt.<br>Finance Dept. (R&E)<br>Government of Andhra<br>Pradesh | Member       |
| 4. | Dr D.Samba Siva Rao, IAS<br>Executive Officer,<br>Tirumala Tirupati<br>Devasthanams, Tirupati            | Member       |
| 5. | Dr V.S.R. Anjaneyulu<br>Registrar, SVIMS   | Secretary    |

*The Finance Committee meetings for the year 2014 were held on 19.02.2014, 26.04.2014 & 05.11.2014*

### 4.0 The Academic Senate

|    |   |                  |
|----|---|------------------|
| 1. | Dr B. Vengamma<br>Director-cum-VC, SVIMS                                | Chairperson      |
| 2. | Dr B.C.M. Prasad<br>Dean, SVIMS   | Member-Secretary |
| 3. | Director of Medical<br>Education, Govt. of A.P.<br>Hyderabad            | Member           |
| 4. | Vice-Chancellor<br>Dr. NTR University of<br>Health Sciences, Vijayawada | External Member  |
| 5. | The Principal, SV Medical<br>College, Tirupati                          | External Member  |
| 6. | All the heads of the<br>Department, SVIMS<br>Tirupati                   | Members          |

*The Academic Senate meetings for the year 2014 were held on 14.03.2014 and 15.07.2014.*



## **IX Administrative set-up**

## IX. Administrative set-up

## 1.0 Heads of the departments

| Sl. No. | Name of the Department  | Name of the HOD          |
|---------|-------------------------|--------------------------|
| 1.      | Anaesthesiology         | Dr M. Hanumantha Rao     |
| 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 N Khadervalli         |
| 9.      | Dental Surgery          | Dr P. Vani Priya         |
| 10.     | Emergency Medicine      | Dr V.Sathyanarayana      |
| 11.     | Endocrinology           | Dr Alok Sachan           |
| 12.     | Forensic Medicine       | Dr Kongani Jyothi Prasad |
| 13.     | General Surgery         | Dr Y. Mutheeswaraiiah    |
| 14.     | Haematology             | Dr C.Chandra Sekhar      |
| 15.     | IHBT                    | Dr S. Jothi Bai          |
| 16.     | Medical Oncology        | Dr K. Manickavasagam     |
| 17.     | Medicine                | Dr Alladi Mohan          |
| 18.     | Microbiology            | Dr Abhijit Chaudhury     |
| 19.     | Nephrology              | Dr V. Siva Kumar         |
| 20.     | Neurology               | Dr K. Satya Rao          |
| 21.     | Neurosurgery            | Dr BCM. Prasad           |
| 22.     | Nuclear Medicine        | Dr TC. Kalawat           |
| 23.     | Obstetrics & Gynecology | Dr P. Vijaya Lakshmi     |
| 24.     | Ophthalmology           | Dr K. Swathi             |
| 25.     | Otorhinolaryngology     | Dr P. Subhash            |
| 26.     | Paediatrics             | Dr A. Arumugam           |
| 27.     | Pathology               | Dr T.Asha                |
| 28.     | Pharmacology            | Dr B. Santhamma          |
| 29.     | Physiology              | Dr G.Parvathi            |
| 30.     | Radio Diagnosis         | Dr AY. Lakshmi           |
| 31.     | Radiotherapy            | Dr CM. Gopal Kesari      |
| 32.     | Surgical GE             | Dr P. Sriram             |
| 33.     | Surgical Oncology       | Dr S. Rajasundaram       |
| 34.     | Urology                 | Dr A.Tyagi               |

## 2.0 General administration

Personnel Manager - Sri A. Shiva Shankar  
 Accounts officer - Sri P.C. Sanjeevaiah  
 Asst. Director (Estab)- Smt V. Sasikala  
 Asst. Director (PIO) - Sri D.Ananda Babu

## 3.0 University Administration

Director-cum-V.C. - Dr B. Vengamma  
 Dean - Dr B.C.M. Prasad  
 Principal, SPMC(W) - Dr P.V. Ramasubba Reddy  
 Registrar - Dr .V.S.R.Anajaneyulu  
 Controller of Exams - Dr V. Subhadra Devi  
 Deputy Registrar - Dr M. Yerrama Reddy  
 Assistant Director, (Exam cell) - Sri L. Sateesh  
 Principal i/c, College of Nursing - Dr P. Sudha Rani  
 Principal i/c, College of Physiotherapy - Dr K. Madhavi  
 Librarian - Sri K. Neelakanta Chetty  
 Asst. Librarian - Dr A.Omkar Murthy

## 4.0 Hospital Administration

Director -cum-V.C. - Dr B. Vengamma  
 Medical Superintendent - Dr V. Satyanarayana  
 Resident Medical Officer- I - Dr K.Sudhakara Rao  
 Resident Medical Officer-II - Dr B. Govindanarayana  
 Chief MEDCO – Dr KV. Koti Reddy  
 Dr NTR Vaidya seva - Dr A.Lokeswar Reddy  
 General Manager (O) - Smt M. Prasanna Lakshmi  
 Assistant Director (Purchase) - Sri D.V. Dilip Kumar  
 Assistant Director (Public Relations) - Dr Y. Venkatarama Reddy  
 Assistant Director (Credit Cell) - Dr N. Adikrishnaiah  
 Assistant Director (Stores) - Sri G. Suresh Kumar  
 Assistant Director (Billing) - Sri T.Ravi  
 Nursing Superintendent Gr.I - Smt C.Sunitha  
 Medical Records Officer - Sri K. Vivekanand  
 Medico Social Worker i/c - Sri N.V.S. Prasad

## 5.0 Technical administration

Civil Engineering - Sri Ch.Ravi Prabhakar, Exe. Engineer, TTD  
 Elec. Engineering - Sri D. Subramanyam Raju, Asst. Enginner, TTD  
 Biomedical Engineering - Sri E.Doraiswamy, Sr.BME  
 Medical communication - Sri V.Sudarshan, MCPO

## **Sri Venkateswara Institute of Medical Sciences**

*(A University Established by Andhra Pradesh State Legislature)*

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