GREETINGS.
It is the nature of people in this part of the globe to visit ailing relatives or friends in hospitals, in groups. So also, when people visit hospitals for consultation they do not come alone but along with their family members or friends. Though most of the time it is out of sheer love and affection towards the patient, sometimes the accompanying people also may have some minor or major affliction. They use this opportunity to know about our hospital, about the doctors, the facilities available here, as well as the cost of treatment. Although crowd control is a major issue facing us, indirectly it also gives us a learning opportunity, as to how to improve our patient care and health services. We cannot turn away a patient for want of a particular facility here. We may lose an entire group of people who may have travelled from remote places in hope of getting solace from Lisie. This is the main reason why we keep on adding new departments at regular intervals. The latest additions being Paediatric Cardiology/Cardiovascular surgery and Surgical Gastroenterology. Paediatric cardiovascular defects, most of them are completely correctable if detected on time. The department has started with a bang and has already proved it’s mettle. The department is also conducting out-reach programmes with the aim of helping poor children with cardiac disorders from afar. Surgical gastroenterology which was started recently, is also going strong. By adding new facilities and strengthening the existing ones, we are moving ahead this jubilee year with more enthusiasm and vigour. “IF EVERYONE IS MOVING FORWARD TOGETHER THEN SUCCESS TAKES CARE OF IT-SELF” said HENRY FORD.
MAY GOD BLESS ALL OF YOU.
Fr. Thomas Vaikathuparambil
Our Lisie Heart Institute

The Heart Institute of Lisie hospital which was set up in 2002 has become one of the best-in-class facility providing world class Cardiac Interventional and Surgical care in Kerala. The department has established its high ratings in the field of cardiovascular medicine over the last one and half decades. Its achievements are not only in the field of patient care but also in contemporary scientific development and research in the field of cardiology. All the faculty in the department are well recognized in the field of cardiology at the national level in academic, professional and organizational level.

DEPARTMENT OF CARDIOLOGY AND CARDIO-VASCULAR MEDICINE

The department has dedicated teams for Adult Cardiology, Pediatric Cardiology and Electrophysiology dealing with the entire spectrum of Cardiovascular diseases. In a span of 14 years the department has taken care of more than 4 lakh patients and performed over 51,000 Cardiac catheter interventions.

The department has recently moved to its new facility with 3 Cardiac Catheterisation labs, and a 24 bedded Coronary Care Unit and a day care Radial Lounge. The department is one of the high volume centers in the country and has excelled in Coronary Interventions. The electrophysiology division has in a short time become one of the finest in our state. Pediatric Cardiology commenced recently and is fully equipped to treat all types of complex congenital and pediatric heart diseases.

Achievements of the department and its faculty:

Live case transmissions is considered to be the most charming scientific teaching event in any cardiology meeting and is done from only the best centers with state-of-the-art facilities for intervention. The department has the fortune of being a centre for live transmission in various National and International conferences, performing complex coronary interventions which are transmitted live via satellite to the conference venues in different parts of the country.

The faculty of cardiology department are actively involved in organizational activities at State and National level. Their contributions are well appreciated and many of them have been selected as organizing secretaries for various conferences at state and national level.

Cochin cardiovascular summit 2009: Lionel Opei the legend in the field of cardiovascular medicine was the chief guest. Dr. Rony Mathew was the scientific committee chairman and Dr. Jibir Abdullakutty was the organizing secretary.
National Interventional Council Annual Meeting: It is the largest conference of Interventional Cardiology in the country under Cardiological Society of India. Dr Rony Mathew was the organizing secretary of the National Interventional Council Annual meeting in the year 2012 and Dr. Jabir Abdullakutty was the organizing secretary of its meeting in 2014 at Kochi. Dr. Jabir Abdullakutty was the organizing secretary of the first annual conference of Society for Heart Failure and Transplantation organized in Cochin in 2013. And the Cardiology Society of India, Kerala chapter Annual meeting held at Cochin on 2012, was organized by Dr. Jabir Abdullakutty.

Royal College of Physicians, London conducted a conference in the Internal Medicine for the first time in South India at Cochin in April 2013 with Dr. Rony Mathew as scientific committee chairman and Dr. Jabir Abdullakutty as organizing secretary.

Dr. Rony Mathew is the course director of CAD Mumbai. The meetings of this society attracts a large number of physicians and cardiologists across the country. Society for Cardiac Angiography and Intervention held its first conference of complex coronary interventions outside USA in April 2013 at Cochin. Dr. Rony Mathew was the course Director and Dr. Jabir Abdullakutty was the organizing secretary.

Dr. Ajit Thachil was the organizing secretary for the annual conference of Kerala Heart Rhythm Society at Kochi in the year 2015.

Dr. Jo Joseph is the organizing secretary for the 4th annual conference of Society for Heart Failure and Transplantation to be held on September 2016.

Dr. Jabir Abdullakutty is the Joint organizing secretary for Cardiology Society of India Annual conference - the largest conference of cardiologists in our country - in December 2016.

The department is actively involved as a National training center in Interventional Cardiology. Post doctoral training was given to doctors from India as well as abroad. Cardiologists from South Africa and Tanzania have successfully completed their training in radial interventions in our Institute. The department is accredited by the National Board of Examinations to conduct DNB in Cardiology, and by the Indira Gandhi National Open University for PGDCC course in Clinical cardiology.

**Research activities**

Clinical research is an important face of any major division of a tertiary care centre. Cardiology department has been quite active in the field of clinical research since last 10 years. We have a registered ethics committee which is the prerequisite for all medical research work. (Dr. Paul Puthooran is the chairman of the ethics committee and Fr. Thomas Vaikathupparampil the member secretary) We were involved in 14 major international clinical trials including ENGAGE AF TIMI48, ATLAS TIMI ACs 51, EXAMINE, TUXEDO, ODYSSEY CV, IMPROVE SCA, INSPIRE ELR, etc. We were one among the largest contributors to the Kerala ACS registry and Dr. Rony Mathew had a poster presentation about the registry in American College of Cardiology annual meeting at Orlando in 2014. We have a full fledged medical research wing with four qualified staff and other necessary amenities. There are 7 ongoing studies at present handled by the research wing.

**Publications and Faculty positions**

Dr. Rony Mathew and Dr. Jabir are Indian authors for the famous book "Drugs for Heart" by Dr. Lionel Opei. Dr Rony was a Co-author for the Paper published about Kerala ACS registry in European Heart Journal. Dr. Rony and Dr. Jabir were chapter authors in the book STEMI update published by Jaypee books. Dr. Ajit Thachil had publications in the Journal of American College of Cardiology, Indian Pacing and Electrophysiology and Indian Heart journal.

Dr. Rony Mathew was faculty in European society of cardiology annual meeting London 2015, Amsterdam 2014. TCT Washington 2015 He was invited faculty for CSI annual meeting, CAD Mumbai, SCAI and various other national level cardiology conferences.
Dr. Jabir was faculty in Euro PCR 2016, SCAI Orlando 20 16, Gulf PCR 2015, Asiapacific PCR 2015, AICT 2014 Jakarta, Cardiac structural interventions 2015 Vietnam. Dr. Jacob Joseph was faculty in Malaysia live Kaula lampur. Dr. Ajit Thachil was invited faculty for the annual conference of the Asia Pacific Heart Rhythm Society at Melbourne, Australia, the India Heart Rhythm Society, the India Society of Electrocardiology and various cardiology conferences. He is also the Section Editor of Indian Pacing and Electrophysiology Journal since 2014 and the Joint Secretary of Kerala Heart Rhythm Society since 2014.

Dr. Edwin Francis was the operator for live case transmissions in cardiac structural interventions Asia Pacific, Vietnam 2015, he was speaker in the first Al Jahra International Conference, Kuwait 2016. Dr. Jo Joseph was faculty for Cardiac structural interventions 2015 Vietnam and Frankfurt. He won the best paper award at the Asia Pacific, paediatric cardiology conference in Japan.

The department of cardiovascular surgery at Lisie had its humble beginnings in 2002 with a view of providing facilities of international standards to the patients at an affordable cost. The department has grown to be a leading unit in the state and has catered close to 10000 patients across the whole spectrum of cardiac diseases. With dedicated 2 theatres and a 14 bedded ICU around 1000 patients are operated every year with a morality of less than 1%. Our team of Doctors was reconstituted in 2008 with the joining of Dr. Jose Chacko Periappuram as the Head of Cardiac Surgery and Dr. Jacob Abraham as the head of Cardiac Anaesthesia. It is worth mentioning that the present team was instrumental in performing the First Total Arterial Bypass surgery program on a beating heart in Kerala. They also lead the Team of doctors who performed the first awake bypass surgery and also the history making Heart Transplantation in the state of Kerala. The department has expanded with the recent addition of paediatric cardiac unit. Two new additional theatres, a paediatric cardiac ICU and a high dependence unit is being completed.

**The department offers the following services:**

Off pump CABG and complex revascularisations, Total arterial revascularisation, Minimally invasive coronary artery surgery (MIDCAB), Valve repairs and replacements, Bentall surgery, Redo Surgeries including re-do coronaries, Heart transplantation, Surgery for Jeovah's witness, Neonatal heart surgeries, Infant heart surgeries, Adult congenital heart surgeries, Paediatric valve repairs, Redo heart surgeries for congenital heart disease, Tracheobronchial surgeries for neonates, Chest wall deformities, ECMO (Extracorporeal life support)

**Infrastructure**

2 fully equipped Modular steel Operation theatres (2 more under construction), 2 Sarns 8000 heart lung machines, 1 ECMO machine (Maquet), 14 bedded ICU, 10 Ventilators, 3 Echocardiography machines
Faculty - Surgeons

Dr. Jose Chacko Periappuram (HOD), Senior Consultant Cardio Thoracic Surgeon, Dr. Thomas Mathew, Pediatric Cardio Thoracic Surgeon, Dr. Bhaskar Ranganathan, Consultant Cardio Thoracic Surgeon, Dr. Kochukrishnan, Consultant Cardio Thoracic Surgeon, Dr. Manoras Mathew, Consultant Cardio Thoracic Surgeon.

Statistics

DEPARTMENT OF CVTS LISIE HOSPITAL

Transplantation programme

The first successful heart transplantation in Kerala was conducted in 2003 by a team of doctors lead by Dr. Jose Chacko Periappuram and Dr. Jacob Abraham. After the state government passed the legal formalities of organ donation and transplantation in 2011 and after the formation of Kerala Network of Organ sharing in the same year, the organ donation became more popular and transparent.

The Cardiac services of Lisie Heart institute restarted the transplant program in 2013 and during that year the department conducted a series of heart transplantation, leading the Heart transplant in India to a new level. A rapid spurt of Heart transplant programs occurred all over the country and especially in Kerala after the initiative by the Lisie Heart institute. Our department performed the first successful Re-Heart transplant in India in March of 2014 creating a landmark history.

The first airlifting of Heart in a Navy aircraft from Trivandrum to Kochi and a successful implantation of this organ paved way to many more organ donations in the state. So far the Lisie Heart institute has conducted 17 heart transplants and the one survival and post operative results are in par with the western standards.

Currently the department is in the process of establishing an LVAD (Left ventricular assist device) program and the final training of the team is over. As in other fields of Cardiac surgery the Lisie Heart institute leads the way in the transplant program as well.

Workshops conducted

1. Total arterial revascularisation surgery 2009 —by Dr. Bhattacharya
2. Database for cardiac surgery in 2014—Dr. P.V. Satyanarayana
3. Minimally Invasive Aortic Valve Replacement 2015 —by Dr. Francisco
Societies

Society for heart failure treatment (SHFT) is a multidisciplinary forum dedicated to further the various management aspects of patients with heart failure was co-founded by Dr. Jose Chacko Periappuram in the year 2012 has been a pioneering group in the country. The first annual conference was held in 2013 in Kochi.

Papers Presented at National Conferences

1. Dr. Bhaskar Ranganathan
   Surgery for Jehovah Witness in India at IACSTCON 2015 at Trivandrum
2. Dr. Thomas Mathew
   In vitro valve tester at IACTSCON
   A novel retractor for ministernotomy at ISMICS, Boston
3. Dr. Manoras Mathew
   IACTS 2016 (Indian Association of Cardiothoracic Surgeons) AT LUCKNOW
   Cardiac surgery without blood transfusion: a 7 year single centre experience in Jehovah's Witness.
   Pseudomembranous colitis: a dreaded complication post offpump CABG.
4. Dr. Jeevesh Thomas
   Heart Transplant in Takayasu disease in IACTSCON 2015 at Trivandrum
   Redo Heart Transplant in IACTSCON

Future direction

Comprehensive heart failure program, Minimally invasive heart surgery, Cardiac Assist devices, Hybrid procedures

Cardiac Anaesthesiology

Department of Cardiac Anaesthesiology provides anaesthesia and critical care for Cardiac and Thoracic surgical patients. It is known as one of the largest Cardio thoracic practices in South India. The department provides a full spectrum of perioperative anaesthesia for Cardiac and Thoracic surgical patients including full time anaesthetist present in the Cardio Thoracic Unit, respiratory consultation and postoperative pain management. The department offers one-year postdoctoral certificate course in Cardiac Anaesthesiology and Critical Care Medicine. The Department also offers a 3-day observatory program in Cardiac Surgery for Junior Doctors and postgraduates so as to understand the various aspects of haemodynamics operating in human body. The guardian angels who wore hand in hand to accomplish all the successful endeavours in our cardiac department are Dr. Jacob Abraham (HOD), Dr. Job Wilson, Dr. Subramanian C. (Pediatric), Dr. Grace Maria George.

Free Heart Surgeries

We have completed 20 free Cardiology & Cardiac Surgery procedure in connectin with Year of Mercy & Diamond Jubilee project.

Hrudaya Sangamam

A heart to heart affair was celebrated in our Lisie Hospital on Sunday the 17th April 2016 at Lisie Hospital Auditorium. The official inaugural function was inaugurated by chief guest Dr. K. S. Radhakrishnan, Chairman Kerala Public Service Commission at 11 am.
The gold standard of control of blood sugar status in a diabetic patient has centred around fasting and 2 hour post meal blood sugars and HbA1c a measure of prior three month's blood sugar status. International studies have noted that despite these parameters being in the normal range complications of diabetes particularly heart diseases continued to occur in diabetics. Of late focus has shifted to “Glycemic variability” (GV) which in essence are fluctuations in blood sugar values that occur in a day or period of days which has been found to lead to complications of diabetes = cardiac, kidney, nerves, eyes to name a few. In addition unnoticed hypoglycaemia especially in elderly and during the night can kill. Stated simply even if your fasting and post prandial and HbA1c levels are near normal you could get these complications of diabetes and death due to hypoglycaemia if you have GV (fluctuations in blood sugar values).

Till recently it was costly and cumbersome technology to measure GV. In 2013 Abbott Diabetes Care adopted the AGP reporting system for use in its newly developed FreeStyle Libre FGM System. Using advanced wired enzyme technology, they were able to develop a two-week sensor requiring no calibration by the patient and combined this with an automated AGP reporting system. It records interstitial fluid glucose every 15 minutes and then collapses the two weeks of glucose data and plots only by time allowing for underlying patterns to be identified. It uses five smoothed frequency curves to represent glucose exposure, variability and stability while simultaneously identifying periods of significant hypoglycaemia and hyperglycemia. The sensor as big as a coin can be inserted painlessly under the skin in the arm and patient can go about doing his routine work, exercise, sleep without any intervention. His food and medication patterns are simultaneously recorded. Readings are taken every five days till fifteen days. Variations in blood sugar status, reasons for the same, treatment and lifestyle corrections needed can be undertaken by the physician and the patient together on viewing the graphs generated. So get your AGP done- smoothen your blood sugar fluctuations and save yourself from diabetic complications and unwanted hypoglycaemia.

We have a very reasonably priced AGP monitoring facility at
Lisie Diabetes Centre, 1st floor Room no. 2135,
Lisie Hospital New OP block
Contact Sr Mercy phone extension 2223 or 9645777334.
Department of Diabetology, Lisie Medical Institution, Kochi - 682 018
BLS for Health Care Providers

Basic Life Support (BLS) for health care providers accredited by American Heart Association was conducted at Lisie Hospital on 25/06/2016 in collaboration with Indian Institute of Emergency Medical services (IIEMS) 25 doctors participated in the one day programme. The course was led by Dr. Babu Urumese Palatty (Course Director) with Dr. Nisbet Samuel E. and Dr. Ajith V. (Instructors). The Programme was coordinated by Dr. Jinu Issac & team. The next Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS) is scheduled for 18, 19 & 20th of August. This programme is valid for 2 years. For further enquires please contact Emergency Department.

Health Care Quality Indicators

The Quality Indicators (QIs) are measures of health care quality that make use of readily available hospital inpatient administrative data. Quality Indicators are used for the continual improvement of the health care delivery system.

Quality Indicators are of two types
1. Clinical Indicators
2. Managerial indicators

Clinical Indicators
Clinical indicators are measures of the process, structure and/or outcomes of patient care. They are used by health systems and services, as well as accreditation and regulatory bodies, to identify areas of concern which might require further review or development.

Managerial Indicators
Managerial Indicators are quantitative measures that can be used to monitor and evaluate the quality of managerial structure, process and outcome.

Some of the clinical department indicators are given below:

<table>
<thead>
<tr>
<th>INFECTION CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Urinary tract infection rate</strong></td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
</tr>
</tbody>
</table>

| **Pneumonia Rate** |
| **Numerator** | Number of ventilator associated pneumonias in a month x 100 |
| **Denominator** | Number of ventilator days in that month |

| **Surgical Site Infection Rate** |
| **Numerator** | Number of surgical site infections in a given month x 100 |
| **Denominator** | Number of surgeries performed in that month |

| **Bloodstream Infection Rate** |
| **Numerator** | Number of central line associated blood stream infections in a month |
| **Denominator** | Number of central line days in that month |

| **Incidence of blood body fluid exposures** |
| **Numerator** | Number of blood body fluid exposures |
| **Denominator** | Number of in-patient days |

| **Incidence of needle stick injury** |
| **Numerator** | Number of parenteral exposures in a given month |
| **Denominator** | Number of inpatient days in that month |

| **Percentage of employees provided pre exposure prophylaxis** |
| **Numerator** | Number of employees who were provided pre-exposure prophylaxis |
| **Denominator** | Number of employees who were due to be provided pre-exposure prophylaxis |
### NURSING DEPARTMENT

<table>
<thead>
<tr>
<th>Metric</th>
<th>Numerator</th>
<th>Denominator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return to the emergency department within 72 hours with similar presenting complaints</td>
<td>Number of returns to emergency within 72 hours with similar presenting complaints</td>
<td>Number of patients who have come to the emergency</td>
</tr>
<tr>
<td>Percentage of cases (inpatients) wherein the nursing care plan is documented</td>
<td>Number of inpatient case record wherein the nursing care plan has been documented</td>
<td>Total number of patients (sample size)</td>
</tr>
<tr>
<td>Incidence of medication error</td>
<td>Total number of medication error</td>
<td>Number of patient days</td>
</tr>
<tr>
<td>Percentage of admission with adverse drug reaction</td>
<td>Total number of adverse drug reaction</td>
<td>Number of discharges and death</td>
</tr>
<tr>
<td>Percentage of patients receiving high risk medications developing adverse drug event</td>
<td>Number of patients receiving high risk medication</td>
<td></td>
</tr>
<tr>
<td>Percentage of medication chart with error prone abbreviations (illegible handwriting and unacceptable error prone abbreviations)</td>
<td>Percentage of medication chart with error prone abbreviations</td>
<td>Number of medication chart reviewed</td>
</tr>
<tr>
<td>Incidence of falls</td>
<td>Number of falls</td>
<td>Number of discharges and deaths</td>
</tr>
<tr>
<td>Incidence of bed sores after admission</td>
<td>Number of patients who develop new/worsening of pressure ulcer</td>
<td>Number of discharges and deaths</td>
</tr>
<tr>
<td>Return to ICU within 48 hours</td>
<td>Number of returns to ICU within 48 hrs</td>
<td>Number of discharges/transfers and deaths in the ICU</td>
</tr>
<tr>
<td>Re-intubation Rate</td>
<td>Number of re-intubations within 48 hours of extubation</td>
<td>Number of intubations</td>
</tr>
</tbody>
</table>

### ANAESTHESIA DEPARTMENT

<table>
<thead>
<tr>
<th>Metric</th>
<th>Numerator</th>
<th>Denominator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of modification of anaesthesia plan</td>
<td>Number of patients in whom the anaesthesia plan was modified</td>
<td>Number of patients who underwent anaesthesia</td>
</tr>
<tr>
<td>Percentage of unplanned ventilation following anaesthesia</td>
<td>Number of patients requiring unplanned ventilation following anaesthesia</td>
<td>Number of patient who underwent anaesthesia</td>
</tr>
<tr>
<td>Percentage of adverse anaesthesia events</td>
<td>Number of patients who developed adverse anaesthesia event</td>
<td>Number of patients who underwent anaesthesia</td>
</tr>
<tr>
<td>Anaesthesia related mortality rate</td>
<td>Number of patients who died due to anaesthesia</td>
<td>Number of patients who underwent anaesthesia</td>
</tr>
</tbody>
</table>

### OPERATION THEATRE

<table>
<thead>
<tr>
<th>Metric</th>
<th>Numerator</th>
<th>Denominator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of unplanned return to OT</td>
<td>No of unplanned return to OT</td>
<td>No of patients operated</td>
</tr>
<tr>
<td>Percentage of rescheduling of surgeries</td>
<td>No of cases rescheduled</td>
<td>No of surgeries performed</td>
</tr>
<tr>
<td>Percentage of cases where the organisations procedure to prevent adverse events like wrong site, wrong patient, wrong surgery, have been adhere to</td>
<td>No of cases where the procedure was followed</td>
<td>No of surgeries performed</td>
</tr>
</tbody>
</table>
**Congratulation to Winners of Anaesthesia Department**

Dr. Manu P. Thomas and Dr. Noel Marie Pio Samy (final year DNB students department of anaesthesiology) bagged the first and third prize in the quiz competition at Sri Sathya Sai Anesthesia Conference (SANCON), SSSIHMS Whitefield, Bangalore.

Dr. Noel Marie Pio Samy  
Dr. Manu P. Thomas

**Nurses' Day Celebration**

TNAI Lisie unit celebrated Nurses Day at Lisie auditorium on 12th May 2016 at 2.30 pm. Meeting was presided by Fr. Thomas Vaikathuparambil, Director, Lisie Medical and Educational Institutions and Dr. Sunil K. Mathai, IMA President, Cochin Branch, inaugurated the function. The theme of nurses day is "A FORCE FOR CHANGE IMPROVING HEALTH SYSTEM RESILIENCE". Conjoined with Nurses Day Celebration classes regarding 'Safety Meosis' were conducted for all staff nurses by BD company and motivational talk by Fr. Jacob Manjally was also given to all staff nurses in Lisie Hospital.
June 14 Blood Donors Day
Celebration

Blood it’s in you to give!!!!!
So give from the heart today and the Life You Save Could Be Your own!!!

June 14th “The World Blood Donors Day (WBDD)”. Since 2004, WHO celebrates this Day with much importance. World blood donors Day celebration provides a precious opportunity to all donors for celebrating it on national and global level as well as commemorate the birth day anniversary of Karl Landsteiner.

As part of this celebration of world blood donor’s day MSW Department of LISIE HOSPITAL along with Allied Health Science students celebrated the day. A social awareness programme was arranged at reception on June 14th at 10 am. It was well planned and arranged. The programme started by invoking the blessings of the Lord by the students of Allied Health Science followed by the welcome speech of Miss Karishma, the programme coordinator.

Mr. Jose Sebastian Chittilappilly, the Chief Finance Officer of Lisie Hospital inaugurated the function. In his opinion Blood Donor’s Day is celebrated to fulfill the need of blood transfusion and blood products transfusion to the needy anywhere in the world. It also helps to motivate voluntary blood donors through educational programmes and campaigns in order to strengthen the blood transfusion services.

Rev. Fr. Varghese Palatty, the Assist. Director of Lisie hospital presided over the function. According to him blood donation is one of the most significant contribution that a person can make towards the society. Blood donation is a human duty. So we come forward to donate blood as it can bring back a dying man again in to the light of life. The celebration involves organizing lots of activities and programs on international and national level.

Dr. Soumini Unnikrishnan, the senior consultant of Pathology felicitated the function. There was a video presentation by Sr. Jeslin, Principal (DMLT) regarding of Blood Donation. Mrs. Rinku George conveyed vote of thanks to the dignitaries and the participants.

As part of the same, in the afternoon we had arranged an awareness programme by conducting an attractive flash mob at Oberon Mall, Edappally on 14th of June. GNM second year students actively participated in it. We have collected list of voluntary blood donors from Mr. Devassy of Ponnumunthly.
Nurse Sensitive Indicators 
an Overview

Nursing is now a data sensitive activity. A nurse-sensitive indicator denotes the quality of nursing care. The measure that gauge its effectiveness is the National Database of Nursing Quality Indicators (NDNQI). Hence nurse-sensitive indicators includes any intervention that is within the scope of nursing practice, sensitive to nursing input, or integral to the process of nursing care. Today's spotlight on patient safety and public reporting has increased the need for nursing to collect and monitor data related to patient outcomes. Nurse-sensitive indicators are typically divided into three categories—structure measures, process measures and outcome measures.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>INDICATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure Measure</td>
<td></td>
</tr>
<tr>
<td>Patient related</td>
<td>Patient characteristics (age, gender, duration of hospitalization, type of ward and type of procedure undertaken)</td>
</tr>
<tr>
<td>Nursing related</td>
<td>RN education level, years of experience, status of nurses, licensure</td>
</tr>
<tr>
<td>System or setting related</td>
<td>Hours of nursing care per patient day, nursing staff ratio, patient acuity, patient turn over, workload intensity, percentage of hours supplied by RN's, organizational factors of nursing practice environment, support for continuing nursing education, nurse manager's ability, leadership and support, adequate facilities, relationship with other team members, and adequate budget.</td>
</tr>
<tr>
<td>Process Measure</td>
<td></td>
</tr>
<tr>
<td>Nursing related</td>
<td>Nursing intervention/ nursing practice/ nursing care plan</td>
</tr>
<tr>
<td>Setting related</td>
<td>Documentation</td>
</tr>
<tr>
<td>Outcome Measure</td>
<td></td>
</tr>
<tr>
<td>Patient related</td>
<td>Pressure ulcer, falls and falls with injury, hospital acquired infection, medication error, failure to rescue, failure to restrain, sepsis, shock</td>
</tr>
<tr>
<td>Safety</td>
<td>Patient/family satisfaction with nursing care, patient/family satisfaction with pain management.</td>
</tr>
<tr>
<td>Perception</td>
<td>Length of stay, waiting time of nursing care, unplanned hospital visit post discharge,</td>
</tr>
<tr>
<td>Use of health care</td>
<td>Vital signs status, self care ability</td>
</tr>
<tr>
<td>Functional status</td>
<td>Symptom resolution/reduction</td>
</tr>
<tr>
<td>Clinical management</td>
<td></td>
</tr>
<tr>
<td>Setting related</td>
<td>Mortality, Safety of nurses, nurses turn over</td>
</tr>
</tbody>
</table>

Symposium on Neonatal Nursing

Symposium on Neonatal Nursing organized by DANONE Nutricia was held on April 16th at Abad Plaza. Post graduate students and staff nurses from Lisie Hospital and few other hospitals of Ernakulam also attended the Symposium. Dr. Rohin Abraham, neonatologist, Lisie hospital was the resource person for the topic, essential newborn care. Mrs. Sumathi P.V. Asst. Professor, Lisie College of nursing was the resource person for the topic Soft skills in nursing.
Work Shop on Infection Control
“Enhancing Quality of Care in Hospitals”

As a part of M.Sc (N) programme, 2nd year M.Sc nursing students have organized a continuing nursing education programme on “Infection Control-Enhancing Quality Of Care In Hospitals” which was conducted on 28-01-2016 from 8 am to 5 pm at Lisie main auditorium which is credited with eight hours from KNMC.

The inaugural function was held on January 28 at 8.30 am in Lisie Hospital main auditorium. The function was honoured by Rev. Fr. Thomas Vaikathuparambil, Director, Lisie Hospital, Rev. Fr. Varghese Palatty, Asst. Director, Lisie Medical and Educational Institution, Dr. Usha Marath, Principal, Lisie College of Nursing, and Dr. Rohitha S. Chandra Clinical Microbiologist, Lisie Hospital. The Invocation started with a prayer song by M.Sc Nursing 2nd year students, followed by welcome speech by Mr. Riyamol Alias, M.Sc Nursing 2nd year student. The function was inaugurated by lighting the lamp by Rev. Fr. Thomas Vaikathuparambil, Rev. Fr. Varghese Palatty, Asst. Director, Lisie Medical and educational Institution, Dr. Usha Marath, Principal, Lisie College of Nursing, Dr. Rohitha Chandra Clinical microbiologist, Lisie Hospital, Mrs Reena VI,(Organizing convener) and Mrs Reenumol Devassy, (student coordinator). The inaugural address was delivered by Rev. Fr. Thomas Vaikathuparambil followed by keynote address by Dr. Usha Marath, Principal, Lisie College of Nursing. The felicitation was done by Rev. Fr. Varghese Palatty, Asst Director, Lisie Hospital. The inaugural function was wounded up at 9.10 am with a vote of thanks by Ms. Krupa Mable Varghese, M.Sc. Nursing 2nd year.

First session was about overview of hospital acquired infection, which was dealt by Dr. Rohitha S. Chandra DM, Clinical Microbiologist, Lisie Hospital. The session was an eye opener to all who were present there and it got completed at 10.00 am.

The second session was by Dr. Anup R. Warrier DNB, FID, CTH, CIC, Consultant, Infectious Disease and Infection Control. He dealt with current practices and guidelines for HAI.

The third session was a practical session (quiz competition) which was started at 12.15 pm and carried out by 2nd M.Sc nursing students.

The evening session was dealt by Mrs. Sumathi P.V., Assistant professor, Lisie College of Nursing. She dealt with the topic “MRSA, VRSA-fight the superbug”. She explained about MRSA, its myths and safety precautions which all nurses ought to practice in their clinical field and also included VRSA and guidelines for proper use of vancomycin.

The fourth sessions was dealt by Mrs. Soljin Jose, Infection Control Nurse, Lisie Hospital. She dealt with the topic “Role of nurse in infection control practice”. She mentioned regarding the importance of controlling infections in hospitals and the nurses role thereby the quality of the patient care will increase. At the end of the session a practical session was conducted by 2nd year M.Sc nursing students. The sessions included poster presentation and OSCE.

Sports Day

As part of SNA activity, unit level sports competition was organized by Lisie college of nursing on 23/04/2016 at st. Augustine school ground. The competition was inaugurated by Rev. Fr. Varghese Palatty. Dr. Usha Marath, Principal Lisie College of Nursing, delivered message to student. The competition started with march past followed by various sports events such as 100, 200 meter race, javelin throw, shot put, disc throw, walking race and 4x100 m relay. Congratulations to all winners of unit level competition who participated in SNA zonal level sports competition which was held on 20/05/2016 at Cochin Municipal Stadium, Thoppumpady. The winners of the events were; Reethu K. Shibu – 200 m race, 2nd prize, Ashika - 100 m race, 3rd prize relay 4x100 m, 2nd prize. Congratulations to all students who participated in SNA zonal level poster and quiz competitions held in Lisie school of nursing on 28/04/2016. Winners of poster competition: 2nd prize - 1st and 2nd year B.Sc nursing students, 3rd prize - 4th year B.Sc nursing students. In the quiz competition we have won 2nd position.
Sports Day

On 14th April, Liske School of Nursing conducted sports day which was planned to explore the talents of the young nurses. The programme started at 8 am under the guidance of sports personnel, Mr. Jaison and Sr. Fincy CMC, Principal School of Nursing. The staffs of Liske School of Nursing Mrs. Neethu Joy, Sr. Sharon FCC and Mrs. Mary Paul, worked hand in hand to make the day a great one.

SNA Unit Level Competitions

SNA School level cultural competitions were held in Liske School of Nursing premises from 15th to 19th April. Active participation of GNM students from each batch, added beauty to the arrangements done by the faculty of school of nursing.

Congratulation to the SNA Zonal Level Competition Winners


Cultural: - Miss. Anju Jose, 1st year GNM student got 3rd prize in folkdance.
Community Service is the best service, to serve the needy and lay people. Our 1st year GNM students from Lisie School of Nursing conducted various School Health Programmes for the upliftment of the hygienic habits of the crowd in Malipuram and Narakkal, during the month of April 12th and 13th respectively. The programmes were organized under the supervision of nursing tutors of Lisie School of Nursing such as Mrs. Mercy P.A, Mrs. Liyamol Kuriyakose and Mrs. Neethu Joy.

**Felicitation Programme**

A felicitation programme was conducted by D.Pharm students as an appreciation to their seniors for their glorious results (95% pass with 73% distinction). The programme was organized by 2nd year D.Pharm students on 22nd June 2016 at 3 pm in Lisie college of pharmacy. It started with a prayer song and was inaugurated by Rev. Fr. Varghese Palatty, Assistant Director; LMEI. He expressed his words of congratulation and wishes for their bright future. He also distributed alumni awards for the toppers of outgoing batch. Dr. Jinu Isaac, Principal, Lisie College Of Pharmacy and Ms. Anitha Abraham, Vice Principal, Lisie College Of Pharmacy also expressed their words of encouragement. Prizes were distributed to all winners of the outgoing batch and the programme came to an end by 4 pm.

**Staff Recruitment**

**VACANCIES PROPOSED TO BE FILLED UP**

1. Staff Nurses - 40 (liable to change)
2. Physician assistants - 2 (-do-)
3. Perfusionist (-do-)

Kindly note the following steps-
- Candidate may submit their duly filled application to the Lisie HR office (Mon-Sat, 9 am-5pm) or Email to lisiehr@gmail.com
- The following documents/certificates should be attached to the duly filled application form.
  1. CV of the candidate with the photographs
  2. Copy of relevant certificate and mark list
  3. Copy of certificate of registration, if applicable
  4. Short listed candidates shall be called for a written test and an interview

**Health Related Upcoming Dates**

- World population day - 11/7/2016
- World hepatitis day - 28/7/2016
- ORS day - 29/7/2016
- World breast feeding week - 1/8/2016 to 8/8/2016
- Eye donation fortnight - 25/8/2016 to 8/9/2016
- National nutritional week - 1/9/2016 to 8/9/2016
- World oral health day - 12/9/2016
- Pain and palliative care & alzheimers - 21/9/2016
- World day of deaf - 26/9/2016
- World heart day - 28/9/2016
### Floor wise Departments/Services

#### ST. AUGUSTIN’S BLOCK

<table>
<thead>
<tr>
<th>Floor</th>
<th>Floor Name</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Little Flower</td>
<td>Reception, Registration, Patient management desk, Admission desk.</td>
</tr>
<tr>
<td>1</td>
<td>St. Martin</td>
<td>OP Consultation, P.R.O, Ultra Sound scan, Treatment room, Vaccination room</td>
</tr>
<tr>
<td>2</td>
<td>Sacred Heart</td>
<td>Administrative Block</td>
</tr>
<tr>
<td>3</td>
<td>St. Euprasia</td>
<td>Cytology, Histopathology, Blood bank.</td>
</tr>
<tr>
<td>4</td>
<td>St. George</td>
<td>Operation Theatre, Post Operative Room</td>
</tr>
<tr>
<td>5</td>
<td>St. Mathew</td>
<td>Neuro Surgery ICU, Surgery ICU Transplant ICU</td>
</tr>
<tr>
<td>6</td>
<td>St. Mary’s</td>
<td>Gynecology (A Ward) Labour Room, Gynaec Casualty</td>
</tr>
<tr>
<td>7</td>
<td>Infant Jesus</td>
<td>Pediatric ward, Room, ICU NICU</td>
</tr>
<tr>
<td>8</td>
<td>St. Elizabeth</td>
<td>Gynecology Wards and Rooms</td>
</tr>
<tr>
<td>9</td>
<td>Mother Theresa</td>
<td>Neuro Surgery Rooms and Ward Ortho Rooms and Wards</td>
</tr>
<tr>
<td>10</td>
<td>St. John Paul II</td>
<td>Gynecology Rooms and Ward Dental Rooms and Wards, Surgery Ward</td>
</tr>
</tbody>
</table>

#### CARDINAL BLOCK

<table>
<thead>
<tr>
<th>Floor</th>
<th>Floor Name</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Holy Spirit</td>
<td>Emergency Department, LIRRIS, X-ray, ECG</td>
</tr>
<tr>
<td>1</td>
<td>St. Luke</td>
<td>St. Luke Nurses Station ICU Complex</td>
</tr>
<tr>
<td>2</td>
<td>St. Jude</td>
<td>St. Jude Nurses Station Ward and Rooms, Spiritual Fathers Room</td>
</tr>
<tr>
<td>3</td>
<td>St. James</td>
<td>St. James Nurses station Neurology Department &amp; CSR (Neuro Electro Physiology Lab, Digital EEG, Video EEG, EMG NCS / NCV, VEP, BERA, Sleep Study / PSG)</td>
</tr>
<tr>
<td>4</td>
<td>St. Thomas</td>
<td>St. Thomas Nurses station Lisie Institute of Gastroenterology Endoscopy suite Gastro recovery Endoscopy room</td>
</tr>
</tbody>
</table>

#### ST. ANTONY’S BLOCK

<table>
<thead>
<tr>
<th>Floor</th>
<th>Floor name</th>
<th>Departments</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>St. Sebastian</td>
<td>General Surgery room</td>
</tr>
<tr>
<td>1</td>
<td>St. Joseph</td>
<td>Nephro &amp; Uro Rooms</td>
</tr>
<tr>
<td>2</td>
<td>St. Alphonsa</td>
<td>ENT Rooms &amp; Medical Rooms</td>
</tr>
<tr>
<td>3</td>
<td>St. Chavara</td>
<td>CT OT, CT ICU &amp; Pediatric Thoracic ICU, C.T extension.</td>
</tr>
<tr>
<td>4</td>
<td>St. Francis</td>
<td>Cath Lab, CCU &amp; Rooms</td>
</tr>
<tr>
<td>5</td>
<td>St. Peter</td>
<td>East &amp; West Cardiology Rooms</td>
</tr>
</tbody>
</table>

### HEALTH CHECK-UP PACKAGES

1. Lisie Child Health check-up (Rs. 750)
2. Lisie Basic Health check-up (Rs. 2250)
3. Lisie Executive Health check-up (Rs. 3750)
4. Lisie Complete Health check-up for women above 40 years (Rs. 7500)
5. Lisie Complete Health check-up for women below 40 years (Rs. 6800)
6. Lisie Holistic Health check-up for men (Rs. 5500)
7. Lisie Diabetic Health check-up (Rs. 3250)

**Venue:** Health check-up Lounge - Ground floor of St. Augustine Block (New Block), D-Door
**Days:** Every Tuesday to Saturday, 7 am - 2 pm
**Reporting time:** 7.00 am
**Contact No.** 9497713386, 0484-2402044
**E-mail:** lisihealthcheckup@gmail.com
Welcome to Lisie Family

Dr. (Fr.) Jose Thachil  
(Spiritual Director)

Sanju V. Issac  
(Executive Secretary)

Sr. Lincy OCV  
(Office Secretary)

Sr. Nancy FHGS  
(Nursing Department)

Sr. Shalet CPS  
(Nursing Department)

Sr. Kochuthresia FHGS  
(Nursing Department)

Sr. Liji CPS  
(Cardiology OP)

Sr. Rosily Manuel  
(Spiritual Counselor)

Sr. Pawana Kochutharayil SABS  
(Radiology Department)

Sr. Frency FCC  
(Billing Section)

Sr. Anjaly Jose FCC  
(Billing Section)

Welcome Back to Lisie Family

Dr. Mary Margrette Joseph  
MBBS, DCH
Welcome to the New Doctors

Dr. Subramanian Chellappan, MD PDCC, (Senior Consultant, Pediatric Cardiac Anesthesiologist)

Dr. Divya Mohan Vadakkedathu, MBBS, MS (ENT Surgeon)

Dr. Bon Sebastian, MBBS, MD (Anesthesiologist)

Dr. Davis Kurian, MBBS, DA (Anesthesiologist)

Dr. Augustine A.K. MD AIIMS, MRCP (UK) (Deputy Medical Superintendent)

Dr. LiSSA Peter
Vice Principal Lise College of Nursing
PhD in Nursing, from Indira Gandhi National Open University, New Delhi

TITLE: A study to assess the effectiveness of nursing interventions on perimenopausal problems of women in a selected community in Kerala

Dr. Augustine A.K.
MD AIIMS, MRCP (UK)
Deputy Medical Superintendent

GOODBYE STARS!!!!

Msgr. Varghese Njaliyath (Spiritual Director)

Sr. Tresesa Parekkattil SABS (Professor - College of Nursing)

Dr. Sr.) Sudha CSC MBBS, DCH (HOD, Pediatrician)

Ajithakumari Shaji (General worker)