

Dr. Rela Institute & Medical Centre Critical & Intensive Care Unit





Dr Rela Institute & Medical Centre RIMC is a Quaternary Care hospital that boasts of world-class quality of care and best in class amenities. When it comes to intensive care, RIMC sets new benchmarks in caring for patients with critical medical needs. To improve patient outcomes, we have Intensivists and Anaesthesiologists available round the clock.

- Liver Transplant ICU (LICU)
- Liver Management ICU (LMICU)
- Peadiatric ICU (PICU)
- Neonatal ICU
- Trauma / Neuro ICU
- Stepdown ICU
- Medical and Surgical ICU (MICU & SICU)
- Cardiac ICU
- Respiratory ICU
- Bone Marrow Transplantation

General ICU

- Staffing ratio as per international norms
- Round-the-clock Consultant Intensivist / Anaesthesiologist
- All doctors are highly experienced and skilled and have extensive training and experience in specialty units
- Trained & highly skilled nursing staff
- Robust support from an expert infection control team.
- Antibiotic stewardship program which closely monitors antibiotic prescription throughout hospital and provides suggestions
- Round-the-clock support from physiotherapy and Neuro-rehabilitation team, looking into all aspects of recovery
- A nutrition department to look into all basic dietary requirements of ICU patients and to meticulously plan the daily feeding regimen which is custom-made for each patient
- Round-the-clock clinical pharmacy team which checks all aspects of drug prescription, dispensing and administration to avoid any medication errors
- Daily rounds by Tissue viability team to monitor pressure injuries
- All support staff, especially ward assistants and those in housekeeping, are well-trained in infection control practices and patient safety measures
- 24-hour Biomedical personnel for troubleshooting with any equipments
- ICU technologists available 24/7
- All specialty doctors available for inputs whenever required

Highlights

- Fully-equipped for life saving Thrombolysis and percutaneous coronary intervention
- Fully-equipped for acute stroke care Stroke thrombolysis
- Fully-equipped for management of critically ill patients with liver disease
- Excellent care afforded to polytrauma victims and postoperative patients





Supporting infrastructure

- State-of-the-art laboratory facilities
- Microbiology laboratory has advanced equipments for rapid detection of infection and to offer guidance with the use of appropriate antibiotics
- State-of-the-art radiology facilities and experienced radiologists for all possible bedside diagnostics
- A very popular interventional radiology department with facilities for bedside procedures in the ICU
- Individual cubicles for all patients some of our ICUs have natural light which helps with maintenance of sleep wake cycle in patients who stay in ICU for longer time
- Adequate isolation facilities for patients with multi drug resistant organisms
- ICU beds with multi-position features. Specialised mattresses for prevention of bed sores and other pressure injuries are also available.

Equipments available

- Dedicated ICU ABG machine and Point-of-care viscoelastic testing machines like Thromboelastogram, ROTEM
- Target control infusion pumps and syringe pumps
- Feeding pumps and strict protocols for feeding
- Central oxygen and vacuum supply
- Advanced hemodynamic monitoring devices
- Ultrasound machine for POCUS
- Warming devices for body warming and intravenous fluids
- Sequential compression devices for DVT prophylaxis
- Advanced airway equipments as per international guidelines including fiberoptic bronchoscopes dedicated for ICUs
- State-of-the-art ventilators
- Transport ventilator
- High-flow nasal cannula
- Non-invasive ventilation (ICU ventilator and portable)
- Dedicated ICU Bronchoscope
- Bedside X-ray
- Bedside Echocardiogram machines dedicated to ICUs
- State-of-the-art dialysis machines including continuous renal replacement therapy
- Bedside EEG machines

Procedures which could be performed in ICU

- Bedside endoscopy for unstable patients with UGI bleeding
- Bronchoscopy diagnostic and therapeutic procedures
- Percutaneous tracheostomy at the bedside
- Bedside trans-esophageal ECHO
- Diagnostic / therapeutic pleural tapping and paracentesis
- Fully-equipped for urgent ICD placement
- IABP insertion
- Pericardiocentesis / pigtail placement
- Transvenous and transcutaneous pacing and acute MI management and monitoring
- ECMO bedside cannulation and care
- Provision of various dialysis modalities (SLED/CRRT/SCUF)
- Transcranial Doppler
- Bispectral index
- Cerebral oximetry
- ICP monitoring









Neonatal Intensive care (NICU) is the "First home" for many pre-term and sick newborns. Utmost care was taken while designing our neonatal ICU by our Patron Pro. Mohamed Rela. The best experts in the field are steering their care of babies for the best outcome.

"Neonatal Golden hour" is very important for sick and asphyxiated newborns (babies who do not cry). New borns from East / West Tambaram, Chengalpet, Kanchipuram need to reach the hospital within 6 hours from birth. Our hospital is located at an ideal place with best personnel who can save the situation at an ideal phase.

Treatments & Procedures

For accuracy, all diagnostic tools at RELA Institute are the most advanced and at the NICU, we use only equipments that are specially designed for newborns. Every effort is made to ease the discomfort of babies and get them well faster

- Care of extremely premature and low birth-weight babies
- Non-invasive ventilation, conventional ventilation
- HFOV; inhaled (NO), therapeutic Hypothermia (Whole body cooling) and ECMO
- New-born Screening (Ultrasound, Echocardiography, Hearing assessment & Congenital hypothyroidism, and metabolic disorders)
- Management of all neonatal surgical problems (congenital diaphragm Hernia, Tracheoesophageal
- Resuscitation team available 24x7 (including holidays) for surrounding birthing centres
- CPAP, Phototherapy, Exchange Transfusion and Total



Dr. Julia Wendon Liver Intensive Care Unit

Department of Liver Anaesthesia and Intensive Care

Dr. Rela Institute & Medical Centre has the world's largest liver ICU. We have an expert team under the renowned surgeon Professor Mohamed Rela who has performed 4000 liver transplants and other liver-related surgeries with highest rates of success.

Dr. Julia Wendon Liver Intensive Care Unit at Dr. Rela Institute & Medical Centre is dedicated to provide high quality, efficient care to patients with any kind of liver-related disorders. Prof. Julia Wendon is a pioneer in the field of liver critical care and was instrumental in developing the liver care services in King's College Hospital, London. She has been an inspiration and mentor to our unit and we have gone great lengths to emulate similar international standards in our ICU.

Our 36-bedded Liver ICU is equipped to handle all liver ailments including complications of end-stage liver disease, liver trauma, acute liver failure and other hepatopancreaticobiliary (HPB) disorders.

Our 24-bedded liver transplant ICU has been specifically designed to cater to the need of both adult and paediatric liver transplant recipients and major hepatobiliary surgeries. The unit has been designed to ensure that the patients would have lowest possible risk of developing infection and to accelerate recovery. We also provide critical care outreach services to our patients transferred out of ICU.

Features:

Manned by a highly professional and experienced team of doctors and nursing



staff

- Supported by a multidisciplinary team of doctors
- An exclusive hotline number (+91 44 6666 7700) for liver-related emergencies
- State-of-the-art technology including point of care testing to provide timely and efficient care
- Various forms of organ support such as Ventilator, Non-invasive Ventilation, High Flow Nasal Oxygen (HFNO), Renal Replacement Therapy, Liver assist devices and plasmapheresis, Extra-Corporeal Membrane Oxygenator (ECMO), Nitric Oxide therapy, cough assist device.
- Specialised in using blood purification techniques with cytokine and endotoxin removal filters for patients with sepsis.
- Excellence in procedures like endoscopy, bronchoscopy and interventional radiology procedures performed by dedicated team of experts.
- Swift transportation options for patients with critical liver ailments

We are a premier teaching institution and offer various university accredited courses such as Liver Transplant Anaesthesia, Liver Intensive Care and Allied sciences. These highly desirable courses are attended by national and international students alike. We also conduct periodic audits and training to ensure quality ICU care, comparable to international standards.

Liver hotline number – 044-66667700







An International Medical Facility A unit of JR Super Speciality Hospital

7, CLC Works Road, Chromepet, Chennai - 600 044. info@relainstitute.com

+91 44 6666 7777 www.relainstitute.com