

**Internship
at
Rainbow Hospital Pvt. Ltd., Hyderabad**

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1.1 INTRODUCTION TO RAINBOW HOSPITALS

Rainbow Hospitals, also known as **Rainbow Hospital for Women and Children**, a pioneer in the field of fully dedicated pediatric and maternal healthcare services.

Rainbow Hospitals led by the vision of Dr. Ramesh Kancharla of creating an integrated healthcare delivery system in India. Established in 1999, Rainbow Hospitals celebrated 15 glorious years of excellence in child care, women care and fertility.

Rainbow Hospitals setting the benchmark in neonatal and pediatric intensive care, has played a major role in saving thousands of critically ill children and has emerged as one of the best children's hospital in the country. It is the first corporate children's hospital in India, started on 14th November 1999 on Children's Day. Rainbow Hospitals aims to provide high standards of care for the mother, women, fetus, newborn and children so that none of them is deprived of a tertiary care facility.

Rainbow Hospitals' flagship facility at Banjara Hills comprises four intensive care units for maternity, paediatric and neonatal care as well as an outpatient clinic. The Rainbow Hospital Group currently operates out of five locations- four in Hyderabad and one in Vijayawada.

Rainbow Hospital's clinical staffs include strong team of highly qualified and experienced Consultants, dynamic team of residents and fellows, well trained nurses and paramedical personnel, and highly motivated team of full- and part-time employees.

The hospital today has an infrastructure comprising of around 150 beds, 3 Operation Theatres, 1 PICU, 1 MICU and 5 NICU.

Our Vision

Our aim at Rainbow Hospitals is to provide high standards of care for the mother, fetus, newborn and children so that none of them is deprived of a tertiary care facility.

Our Mission

The measure of our success is in the number of smiling faces.

Our Values

- Care, Commitment and Compassion
- Be a leading source of Research and Discovery and translate the findings into advances that directly benefits patients
- Teach, educate and empower next generation healthcare professional in becoming Leaders who define and shape Women and Children Health Care
- Timely intervention
- Influence healthcare positively through sharing of knowledge and best practices with the healthcare community
- Efficiency – Setting high standards for ourselves and raising the bar every time.
- Maintenance of highest standard of hygiene and provide quality healthcare

We wish to make Rainbow Hospitals as a one point stop to address children, maternal and women's health grievances and alleviate pain. Be it child birth, pediatrics, gynecology and obstetrics or fertility, our aim is to ease your ailments and impart sound health and provide high quality care leading to Healthy Children, Happy Mothers & Women and Cheerful Couples.

Our history of success motivates us to contribute even more to the holistic well-being of the Nation's Mothers, Women and Children and touch more lives and influence them positively.

With prime focus on children's health problems, fertility problems, gynecology problems,

child birth, we have come a long way in standing out as the best maternity, women and children's hospital in Hyderabad and we have miles to go as we prepare ourselves to spread this mission across the nation.

ACCREDITATIONS

- **National Accreditation Board Hospitals and Healthcare Providers (NABH)**

AWARDS AND RECOGNITION

At Rainbow Hospitals, we pursue excellence, innovation, dedicated patient care, cutting edge medical technologies, treatments & procedures, academic research and teaching programs with rigor. We believe that competing for awards, recognitions, merits and accolades is not just about winning, it is about understanding how well we are doing and is a direction guide for how we can do it even better. We have been recognized as one of the most advanced, super specialty tertiary care hospital for Women and Children in the country and the quality of our work is often recognized by influential organizations and media institutions. Among many things, we have won accolades for exceptional patient outcomes, dedicated patient care and patient centric approach and leadership. Here are some of the awards and recognitions Rainbow Hospitals has garnered over the years since its inception in 1999.

- Rainbow Hospitals bagged the CNBC-TV 18 & ICICI Lombard national award for the “Best Children’s Hospital” in India in 2010.
- Rainbow Hospitals was identified as one amongst the top 5 Best Multi-specialty Hospitals – Pediatrics in the country, for the year 2010, by “The Week” and “HANSA” research.
- Rainbow Hospitals was once again identified as one amongst the top 5 Best Multi-specialty Hospitals – Pediatrics in the country for the year 2011 by “The Week” and “HANSA” research. This time around the Survey was conducted in 15 cities, in comparison to 10 cities that participated in the survey in 2010.
- This was a third consecutive year win for Rainbow Hospitals which was ranked once again by ‘The Week’ and ‘HANSA Research’ as one of the top 5 best children’s hospital

in the country for the year 2012. The survey criteria, evaluations and selection process got more rigorous in 2012 and the survey was conducted in 16 cities.

- Rainbow Hospitals received the “Six Sigma Healthcare Excellence Award” at the first Asia Pacific International Conference held at Mt. Abu, Rajasthan during 4th and 5th of October 2013.

DEPARTMENTS:

CHILD CARE

- Children's Intensive Care Unit (PICU),
- Neonatal Intensive Care (NICU/New born ICU),
- Pediatric Neurology,
- Pediatric Nephrology,
- Pediatric Gastroenterology,
- Pediatric Haematology & Oncology,
- Pediatric Surgery,
- Pediatric Nutrition,
- Pediatric Dentistry,
- Pediatric Cardiology,
- Pediatric Pulmonology,
- Pediatric Psychology & Psychiatry,
- Orthopedics, Genetics & Metabolic Medicine,
- Anaesthesia & Pain Management,
- Pediatric Ophthalmology,
- Speech & Language Therapy,
- Physiotherapy & Rehabilitation,
- ENT,
- Radiology
- Laboratory Services

WOMEN CARE

- Gynaecology and Obstetrics,

- Foetal Medicine,
- Birthing,
- Painless Delivery,
- Childbirth preparation classes or Lamaze classes,
- High risk pregnancies
- Maternal Intensive Care Units (ICU)

FERTILITY CARE

- Diagnostic evaluation,
- Personalized infertility treatments,
- Intra Uterine Insemination (IUI),
- In-Vitro fertilization (IVF),
- Elaborate trans-vaginal and pelvic ultrasound including Hystero sonography,
- Male factor infertility diagnosis and treatment,
- Integrated Andrology Services,
- Complete semen analysis,
- Testicular Sperm Extraction (TESE)
- Cryopreservation of sperm

CUTTING EDGE MEDICAL CARE

The Pediatric Superspeciality Powerhouse

Rainbow's Pediatric Intensive Care Unit treats more than 1000 critically ill children annually, in collaboration with various pediatric subspecialties such as Neurology, Nephrology, Hematology, Pediatric Surgery etc. and has the largest number of children managed on High Frequency Oscillatory Ventilation in the country. Pioneering minimal access pediatric surgery, today Rainbow takes the lead. Annually out of 2500 surgeries performed at Rainbow, 75% are done using laparoscopy.

Rainbow has achieved the following milestones:

Intensifying Surgical Care

- Achieving the highest number of infant laparoscopic pyeloplasties in the world.
- Successfully performing rare procedures including, minimally invasive surgery on neonates as young as 2 days and weighing as light as 2 kilograms. Many of the MIS procedures performed by Team Rainbow have been the first-of-their kind in India. E.g., Thoracoscopic Aortopexy on an 8 months old baby. Rainbow's Pediatric Surgery department extends procedures for neonates, infants, children and adolescents.

Infusing Hope with Pediatric Hemato-Oncology

- There is nothing more devastating for a family than a certain diagnosis of cancer or a fatal blood disorder in a child. At Rainbow, we are extremely passionate about serving kids with childhood cancers and blood disorders in a designated child friendly unit led by qualified team of Hemato-Oncologists. Rainbow is among the very few hospitals in India to house a Pediatric Hematology and Oncology division. We treat on average 45-50 cases of acute leukemias (ALL & AML) per year, other than solid tumors. Our results are at par with western countries. It is achieved with modern chemotherapy, good supportive

care and follow-up in a comprehensive pediatric set up. Eighty percent of childhood leukemia on appropriate treatment survives long term.

Pioneering Fetal Medicine

- With the help of 3D & 4D technology, Rainbow has sharpened its clinical acumen to study, evaluate genesis, formation, growth & defects of the fetus – be it for diagnosis of genetic disorders or to give us a window of therapeutic interventions. Rainbow pioneered the concept of fetal medicine in the State of Andhra Pradesh, using the latest technology that can show the fetal organs clearly. Fetal Medicine has become an integral part of all Rainbow current and future hospitals.

Going the distance

- Rainbow initiated a highly advanced retrieval and emergency transport service in 2003 which revolutionized the way care was imparted en-transit to critically ill new born babies and children. This facility has expanded to 300 km radius around Hyderabad and now Vijayawada. Today, this emergency transport system is responsible for bringing in over 200 critically sick or injured children per year, with full access to life saving gadgets on board.
- The best part is that it also covers inter & an intra-state district to ensure that timely care reaches children in far flung and rural areas too. Today, Rainbow's Emergency Transport team ranks among the Country's leaders in the management and transport of high risk neonates and sick children. Over time, it has become the largest pediatric emergency retrieval system in the country.

Sophisticated maternal care

Rainbow launched its Perinatal Centre for Women with the sole aim of gifting soon-to-be mothers a safe, secure and happy motherhood especially in high risk pregnancy cases. With

state-of-the-art labor rooms attached with Maternity ICU, over 175 deliveries are handled every month. Rainbow has initiated high end LDRP Suites (Labor, delivery, recovery, postpartum suites) the first of its kind in South India. The average stay duration of 1.97 days for normal delivery and 3.99 days for LSCS patients is on par with international standards. We are also known for the least possible surgical interventions and pave way for natural birthing.

Rainbow In-Vitro Fertility (IVF) Centre, Madhapur

This Centre is equipped with the most advanced reproductive technology available in India today. At Rainbow, we understand that the inability to conceive can cause a tremendous amount of emotional strain in couples who are trying to start a family. Our aim is to assist couples into parenthood, so that they, in turn can help us create ‘happy mothers and healthy children.’ Rainbow has a state of the art IVF lab and was the first centre in Andhra Pradesh to introduce IMSI for male factor infertility and repeated unexplained IVF failure.

Corporate Social Responsibility at Rainbow

Rainbow has taken on a number of CSR Projects over the last decade. Rainbow has set up ‘Rainbow Children’s Foundation’ which provides treatment to underprivileged children among other things. We partner with the Government of Andhra Pradesh to give subsidized treatment to children under the Arogyashree Initiative. Rainbow has also adopted Masaipet village, 50 kms from Hyderabad where we cater to basic health needs for all women and children completely free of cost. Rainbow also provides heavily subsidized medical care for children sponsored by ‘Heal a Child’ foundation.

1.1 PEDIATRIC INTENSIVE CARE UNIT

The Pediatric Intensive Care Unit (PICU) at The Rainbow Hospital for Women and Children is a multidisciplinary unit that provides care for children and adolescents who become critically ill or injured.

The many Pediatricians, nurses and allied medical care professionals who work in the PICU have the knowledge, skill and judgment to quickly assess and treat child so he can achieve the best outcomes possible from critical illness or injury.

Equipped with advanced technology, our multidisciplinary team improves survival, speeds recovery, minimizes disability and relieves pain and suffering in a caring and respectful manner.

Conditions that commonly cause critical illness and injury include:

- Severe infection
- Poisoning
- Drug overdose
- Trauma
- Extensive surgery
- Congenital anomalies
- Immunological disorder

Type of Patients admitted to the PICU

- Medical patients from the ED
- Medical patients from the floor
- Medical patients transported in for outside institutions

- Cardiac patients may be admitted from the OR, the floor, the ED. If they are immediately post or pre-operative, the primary service is Pediatric Cardiac Surgery, with medical consultation.
- Surgical patients from the ED or the floor or from the OR.