

DR. SUDHEER K A

Lead Consultant - Neonatology & Pediatrics

Qualification

MBBS | MD Paediatrics | DNB (Neonatology)

Overview

Dr. Sudheer K. A. is a highly skilled Neonatologist in Yelahanka. He is currently practising as the Lead Consultant - Neonatology & Paediatrics at Manipal Hospital Yelahanka, Bangalore, bringing over 17 years of specialized expertise in neonatal intensive care, paediatric medicine, and advanced critical care of high-risk newborns. Widely recognised as one of the best neonatologists in Yelahanka, he has dedicated his career to improving survival outcomes and long-term well-being of extremely premature infants, critically ill newborns, and medically complex neonates requiring multidisciplinary intensive care. Dr. Sudheer's academic journey reflects a strong foundation in paediatric and neonatal medicine. He completed his MBBS and MD in Paediatrics from Bangalore Medical College, followed by a super-speciality DNB in Neonatology from Amrita Institute of Medical Sciences, Kochi, one of India's most advanced neonatal centres with international training influences from the United States and Australia. His training equipped him with expertise in advanced neonatal ventilation (including high-frequency oscillatory ventilation), endotracheal intubation, nitric oxide therapy, central line procedures, neonatal surgeries, and long-distance neonatal transport, skills that form the cornerstone of modern neonatal critical care. A pioneer in establishing and upgrading Level 3 NICU facilities across multiple institutions, he has successfully led NICU setups at hospitals in Kerala, Mangalore, Bangalore, and presently at Manipal Hospital Yelahanka. His vision extends beyond treatment; he strongly believes in empowering NICU teams through structured training programs in nursing education, clinical simulations, and emergency response planning. Under his leadership, Manipal Hospital Yelahanka has become a referral centre for extremely premature babies, including the successful survival and follow-up of twins and triplets below 28 weeks and weighing under 750 grams, an exceptional benchmark in Indian neonatal care. At Manipal Hospital Yelahanka, Dr. Sudheer specialises in advanced neonatal and paediatric intensive care, neonatal surgeries and post-operative management, respiratory distress management (including HFOV and volume guarantee ventilation), Point-of-Care Ultrasound (POCUS), and ECMO-assisted interventions. He works seamlessly with paediatric pulmonologists, paediatric surgeons, cardiologists, and transplant specialists, ensuring holistic and multidisciplinary treatment for conditions like congenital diaphragmatic hernia, tracheoesophageal fistula, ventricular septal defects, congenital cardiac disease, and neurosurgical anomalies. His NICU facility has also become a trusted centre for neonatal airway malformations requiring bronchoscopy, tracheostomy care, and post-surgical stabilization. Known for his compassionate approach, thoughtful communication with families, and clinical precision, Dr Sudheer has earned deep trust from the community and peer professionals. His philosophy emphasises early intervention, parent education, non-invasive ventilation strategies, and continuous monitoring to reduce complications and enhance neurodevelopmental outcomes. Committed to the principles of the "Golden Minute" and evidence-based neonatal care, he actively promotes safe neonatal transport practices and works towards forming structured neonatal emergency retrieval systems. Dr. Sudheer regularly contributes as a faculty member in national and regional conferences, workshops, and teaching programs, with a strong focus on neonatal ventilation, high-risk transport, and post-operative surgical care in newborns. His publications on retinopathy of prematurity and volume guarantee ventilation reflect his commitment to research-driven neonatal care. He holds memberships with the Indian Academy of Pediatrics, National Neonatology Forum, and Indian Medical Association. Dedicated to shaping the future of neonatal medicine, he envisions developing a comprehensive Perinatal Regional Centre of Excellence with a multidisciplinary team, integrating fetal medicine, neonatal surgery, transport services, nutrition care, and long-term neurodevelopmental follow-up. Through his unwavering dedication, clinical innovation, and heartfelt commitment to vulnerable newborns, Dr Sudheer stands out as one of the best neonatologists in Yelahanka, delivering world-class neonatal and paediatric care at Manipal Hospital Yelahanka.

Fellowship & Membership

- IMA Life Member: KAR/15667/157/117/206633/2015-16/L
- IAP Member: L/2015/S-3387
- NNF Member: K/LM/331

Field of Expertise

- Under his leadership, the NICU units have achieved remarkable outcomes, including the survival of extremely preterm twins and triplets below 28 weeks, weighing less than 750 grams, with excellent developmental progress.
- He is especially passionate about pre- and post-operative care of neonatal surgical patients. The NICUs under his supervision handle complex surgical cases.
- Congenital Diaphragmatic Hernia (CDH) repair
- Tracheoesophageal Fistula (TEF) repair
- Anorectal malformation correction
- Working collaboratively with pediatric pulmonologists, his NICU has become a referral center for congenital airway malformations, managing cases requiring bronchoscopy and tracheostomy care.
- In collaboration with pediatric cardiologists, his unit has been upgraded to a Level 3 NICU, providing post-cardiac surgical care for conditions.
- Patent Ductus Arteriosus (PDA) ligation
- Total Anomalous Pulmonary Venous Connection (TAPVC) repair
- Coarctation of the Aorta correction
- Ventricular Septal Defect (VSD) repair
- The unit also supports neurosurgical interventions, including VP shunt placement and meningocele repair, and Dr. Sudheer is an active member of the Neonatal ECMO team.
- Neonatal Transport & Outreach: Dr. Sudheer and his team have been commended for their expertise in neonatal transport, safely transferring critically ill infants—including extreme preterms, cases with pneumothorax, and congenital diaphragmatic hernia with PPHN—from referring centers, earning deep appreciation from both parents and partner hospitals.
- Philosophy & Training: A strong advocate of the “Golden Minute” principle and evidence-based neonatal practices, Dr. Sudheer believes that timely intervention is key to the best outcomes for NICU graduates. He also firmly endorses the belief that a trained, dedicated neonatal nursing team forms the backbone of any successful NICU. To this end, he regularly conducts training programs to continuously enhance the skills of his nursing staff.
- Non-invasive ventilation
- Advanced ventilator support - HFOV and Volume guarantee
- Neonatal transport
- Neonatal surgery and post -op care
- Point of care ultrasound (Echo , NSG , Lung scan)

Languages Spoken

- English
- Hindi
- Kannada
- Malayalam

Talks & Publications

- Sunil.B, Sudheer.K.A, Mathew Kripail, P.K.Rajiv, "Neonatal Risk factors and retinopathy of prematurity among preterm infants" International Journal of Research in Health Sciences. Jan-Mar 2014 Volume-2, Issue-1.
- Sudheer K. A., Sunil B, P. K. Rajiv, Mathew Kripail et al, Volume guarantee ventilation in premature neonates with respiratory distress: a comparative study. Int J Contemp Pediatr. 2019 Nov;6(6):2559-2565.
- Contributed chapter on "Handbook on CPAP" - by Dr.Rajiv.P.K.