



DR. SHIVAKUMAR SHAMARAO

HOD & Consultant - Paediatric Intensive Care Unit (PICU)

Qualification

MBBS | DND (Paediatrics) | DCH | IDPCCM (Paediatric Critical Care) | Fellowship Paediatric Critical Care Medicine-Hospital for Sickkids, Toronto | Clinical Fellowship in Paediatric Critical Care-Great Ormond Street Hospital for Sick Children, London, UK

Overview

Dr. Shivakumar Shamarao is a Paediatrician based in Bangalore. Currently, he is associated with the Manipal Hospitals located at Old Airport Road in Bangalore. He currently heads the Multi-disciplinary Pediatric Intensive care unit at Manipal Hospital, Old Airport Road, Bangalore. He is an acclaimed consultant PICU in Oldairportroad, Bangalore. MBBS Training: Dr Shivakumar Shamarao has completed his MBBS from Sri Devraj Urs Medical College and Research Centre under the auspices of Rajiv Gandhi University of Health Sciences. He secured a Gold Medal in Pathology during his MBBS training. Training in Pediatrics: He did his initial training in Pediatrics at the esteemed Kalawati Saran Children's Hospital, Lady Hardinge Medical College, New Delhi. He completed his training with DNB paediatrics from the reputed Kanchi Kamkoti CHILDS Trust Hospital, Chennai. He was adjudged the Best Junior Resident in Pediatrics at LHMC year 2001. Training in Pediatric Intensive Care: Dr. Shivakumar Shamarao has done his Fellowship in Pediatric Intensive Care from reputed

institutions in India and from Abroad. PICU Training in India: IAP Fellowship in Pediatric Intensive care -IDPCCM -Apollo Hospitals, Chennai. He Ranked first in the National Level Fellowship exams in 2007. Overseas PICU Training: Clinical Fellowship Pediatric critical care/ Pediatric Cardiac critical care/Children Acute Transport Service- Great Ormond Street Hospital for Sick Children, London, UK. Overseas PICU Training: Clinical Fellowship Pediatric critical care/ Pediatric Cardiac critical care- Hospital for Sickkids, Toronto, Canada. Dr.Shamarao is a member of the Indian Academy of Pediatrics, Intensive Care Chapter of IAP. He is also a member of the ECMO Society of India. Dr.Shamarao can speak Hindi, Kannada, Telugu, Tamil, and English. He is famous in Bangalore as a skilled paediatrician and has worked on hundreds of complicated cases.

Fellowship & Membership

- Indian diploma Paediatric Critical Care Medicine- IDPCCM-Apollo Hospitals, Chennai.
- Fellowship Paediatric Critical Care Medicine-Hospital for Sick Kids, Toronto.
- Clinical Fellow in Paediatric Critical Care-Great Ormond Street Hospital for Sick Children, London, UK
- Memberships
- Indian Academy of Pediatrics (IAP).
- Intensive Care Chapter-IAP.
- Indian Society of Critical Care Medicine (ISCCM) & IAP Intensive Care Chapter.
- ECMO Society of India.

Field of Expertise

- Paediatric critical care and paediatric emergency medicine

- Pediatric invasive and non-invasive ventilation
- Pediatric solid organ transplant (liver and kidney) and hematopoietic stem cell transplant care.
- Pediatric neurocritical care
- Post-surgical pediatric intensive care
- Pediatric extracorporeal therapy including therapeutic plasma exchange and Dialysis (CRRT).
- Pediatric extracorporeal membrane oxygenation (ECMO in children)

Languages Spoken

- Kannada
- Telugu
- Hindi
- Tamil
- English

Awards & Achievements

- Gold Medal in Pathology- Sri Devaraj Urs Medical College, Rajiv Gandhi University of Health Sciences (1992-98)
- Awarded the best junior resident in Paediatrics – 2000-2001-Lady Hardinge Medical College, New Delhi.
- Ranked 1st at National Level Paediatric Critical Care Medicine Fellowship Exams-IDPCCM 2007.
- Fellowship Programme Director- IAP Fellowship in Pediatric Critical Care, Manipal Hospital, Bangalore.
- Fellowship programme Director- IDPCCN-Indian Diploma Pediatric Critical Care Nursing. Manipal Hospital, Bangalore.
- Fellowship programme Director- DrNB-Pediatric Critical Care. Manipal Hospital, Bangalore.

- Chairman of scientific abstracts committee – National Conference of Paediatric Intensive Care –NCPIC2019.
- First Prize-Oral paper presentation- Decoding pediatric Code Blue- NCPIC 2019
- Head of Accreditation Committee- IAP Intensive Care Chapter 2022-24
- Secretary- Pediatric Section- ECMO Society of India.
- Abstract Secretary- Scientific Committee- ECMO Society of India 2024

Talks & Publications

- Acute liver failure in children- Bangalore Pedicon 2023 May
- Therapeutic Plasma Exchange in PICU. Our Experience. CME in therapeutic Apheresis. Manipal Hospital. 2023.
- Disease-specific ventilation strategies in children. Bangalore Pedicon 2023. June
- Autoimmune Encephalitis in Children. Pedicriticon 2022, Bhubaneshwar.
- CNS Emergencies in Children. Pedicriticon 2022, Bhubaneshwar.
- Basic Pediatric Intensive Care Course (BPICC). WS PEDICRITICON 2022.
- Avatars Of Cytokine Storm. Karnataka Mangalore Pedicriticon 2022
- Lead –PICU Procedures workshop. Magalore Pedicriticon 2022.
- Ventilator basics and Knobology. TOT Govt of Karnataka.
- NIV/HFNC in Covid 19. TOT Govt of Karnataka.
- Humidification and ventilator setup. TOT Govt of Karnataka
- Lung protective ventilation strategies during mechanical ventilation. IAP Respiratory Care chapter. Invited talk.
- A masquerade in pediatric rheumatology clinic. 27TH

EUROPEAN PEDIATRIC RHEUMATOLOGY e CONGRESS- ORAL PRESENTATION.

- Anticoagulation in PICU. Karnataka Pedicriticon shimoga 2021
- AKI in PICU and The Solution. Pedicriticon 2020.
- Decoding pediatric code blue-look a rearview mirror. Oral Paper Presentation. Pedicriticon 2019.
- ADVANCED VENTILATION WORKSHOP. NCPIC 2019, Bangalore.
- Extubation protocolised vs non-protocolised in PICU. IPCCCI 2018 Hyderabad.
- NIV WORKSHOP. Respicon 2017, Bangalore.
- Difficult ventilation/ HFOV/ surfactant. Karpedicon 2017.
- STEP workshop-PEDISTARS; People Tree Hospital, Bangalore.
- Invited expert for Consensus meeting on pediatric admission criteria. St Johns 2016 Bangalore.
- Panel discussion: Current concepts, controversies & management of Dengue. Criticon, Hotel Atria Bangalore.
- Emergencies in office practice. Bangalore Pedicon 2015.
- Publications:
 - Rogers Textbook Of Pediatric Intensive Care. 6th edition. Chapter 29: Recognition and Initial Management of Shock. Co-author
 - Device Associate Infections. Dhanya Dharmapalan, Suhas V Prabhu, Vijay Yewale, Winsley Rose. Evidence-Based Practices in Management of Pediatric Infectious Diseases. 2022. India: Evangel Publications; Page 595-608. ISBN:978-93-90616-61-9.
 - Neurosurgical Device Infections. Dhanya Dharmapalan, Suhas V Prabhu, Vijay Yewale, Winsley Rose. Evidence-Based Practices in Management of Pediatric Infectious Diseases. 2022. India: Evangel Publications. Page 610-618. ISBN: 978-93-90616-61-9.
 - Shenoy B, Choudhury J. Clinical Grand Rounds in PEDIATRIC INFECTIOUS DISEASES. 2nd Ed. India: Jaypee brother's medical Publishers; 2021. ISBN: 978-93-90020-70-6. (Contributed chapters).

- COVID-19 infection in Pediatric Population. Handbook of complete COVID-19 care.2021. KSG Publications. Page 243-268. E-BOOK/ISBN-13: 9788195283200.
- Gupta S, Thomas R, Shamarao S, Rao AR. Unusual Complication of Severe Hyponatremia-Rhabdomyolysis. J Pediatr Crit Care 2019; 6 (6): 54-56.
- Renal replacement therapy in sepsis in children. Crit care update 2019 (ISCCM).
- WACEM-Academic College of Emergency Experts consensus recommendations on admission criteria to Pediatric intensive care unit from the emergency departments in India. Journal of Emergencies, Trauma, and Shock, 12(2), 2019 p.155.
- Gupta S, Guruprasad HS, Shamarao S, Rao AM. Takayasu's arteritis with myocarditis in infancy. A rare occurrence. J Pediatr Crit Care 2019; 6 (4): 43-47.
- SIADH and Cerebral Salt Wasting. Shastri DD, Remesh Kumar R, Parekh B. PEDIATRIC ICU PROTOCOLS. IAP textbook of PICU protocols. 3rd edition. Jaypee brothers. Page 284-291. ISBN: 9789352709694
- Author/Contributor for 3 chapters in Text Book: Clinical Grand Rounds in Paediatric Infectious Diseases. Published by Jaypee Publications in Jan 2018.
- Approach to a child with respiratory failure: Manual of Paediatric Emergencies and Critical Care.2nd ed. Paras 2010, pp 16-22.
- Approach to a child in Shock: Manual of Paediatric Emergencies and Critical Care.2nd ed. Paras 2010, pp 157-163.
- Ranjit S, Kissoon N, Shamarao S. Dengue viral infections and shock syndromes: an overview. Journal of Pediatric Infectious Diseases. 2009 Jun;4(02):107-17.
- Kinimi, I., Shinde, S.S., Babu, R.R., Maganthi, M., Shamrao, S., Ram, A., Kare, J. and Mathew, A.A., 2023. Clinical Profile of Children with Suspected Sleep-Disordered Breathing and their

Polysomnographic Findings at a Tertiary-care Center in Bengaluru, India. *Journal of Pediatric Pulmonology*, 1(3), pp.82-86.

- Joshi DN, Shenoy B, Bhavana MV, Adhikary R, Shamarao S, Mahalingam A. Prevalence of Carbapenem-Resistant Enterobacteriaceae and the Genes Responsible for Carbapenemase Production in a Tertiary Care Hospital in South India. *EMJ*. 2023; DOI/10.33590/emj/10300425.
- Shamarao S, Parthasarathy HB, Madhu HP, Ram A, Kare J, Ananda D, Krishna M, Kinimi I. Successful Venovenous Extracorporeal Membrane Oxygenation (VV-ECMO) for Acute Respiratory Distress Syndrome (ARDS) and Air Leak in a Child with Severe Traumatic Brain Injury: Lessons Learned. *Indian J ECMO* 2023; 1 (2):71-75.
- Newsmakers:
 - Children At High COVID Risk: Experts Weigh In On Impact & Precautions - Dr Shivakumar Shamarao, Consultant - Paediatric Intensive Care Unit (PICU), Manipal Hospitals, Old Airport Road. [Click Here](#)
 - 16-year-old tuberculosis patient shows signs of recovery after seven weeks on ECMO - Dr Shivakumar Shamarao, Consultant - Pediatric Intensive Care Unit (PICU), Manipal Hospitals, Old Airport. [Click Here](#)
 - Girl who consumed rat poison saved without liver transplant - Dr Shivakumar Shamarao, consultant - Paediatric Intensive Care Unit (PICU), Manipal Hospitals, Old Airport Road. [Click Here](#)
- Dr. Manjiri Somasekhar, Dr. Karthik Nagesh and Dr. Shivakumar on In rare case, docs create vaginal tract in teenager | *The Times of India*. [Click Here](#)
- Dr. Shivakaumar Shamarao on ECMO turns a lifesaver for children with heart and lung problems | *The Hindu*.

