



## **DR. VINAY K**

Consultant - Critical Care

### **Qualification**

MBBS | MD (INT MED) | DNB (INT MED) | DrNB (CRITICAL CARE) | EDIC | EDEC

### **Overview**

Dr. Vinay K is a highly skilled critical care specialist in Yelahanka, Bengaluru, with extensive experience in managing complex and high-risk ICU patients. He is currently practising as a Consultant - Critical Care Medicine at Manipal Hospital, Yelahanka. With advanced training in intensive care and multi-organ support therapies, he is regarded as one of the best critical care specialists in Yelahanka for comprehensive and evidence-based ICU management. Dr. Vinay completed his MBBS from SDM College of Medical Sciences, followed by MD and DNB in Internal Medicine. He further specialised in Critical Care Medicine by completing DrNB in Critical Care. He also holds the European Diploma in Intensive Care (EDIC) and is currently pursuing advanced certification in echocardiography. His academic training reflects a strong foundation in internal medicine and advanced intensive care practices. With several years of experience in tertiary care settings, Dr. Vinay has managed a wide spectrum of critically ill patients, including medical, surgical, trauma, and transplant cases. His expertise includes advanced ventilatory strategies, sepsis management, and multi-organ support therapies such as CRRT, ECMO, plasmapheresis, and invasive

haemodynamic monitoring. He is also proficient in procedures such as central line insertion, percutaneous tracheostomy, bronchoscopy, and point-of-care ultrasonography (POCUS). Dr. Vinay has specialised expertise in managing critically ill patients requiring complex life-support systems, including extracorporeal therapies and advanced cardiac support devices. His clinical approach focuses on early diagnosis, precision-based treatment, and multidisciplinary coordination to improve survival outcomes and recovery in ICU patients. He also has experience in infection control, antimicrobial stewardship, and end-of-life care, ensuring holistic and ethical patient management. In addition to his clinical work, Dr. Vinay has contributed extensively to academic research, with multiple publications in reputed journals and presentations at national and international conferences. He has received several recognitions, including the ISCCM Kavitha Kamineni Oration Award and commendation for best thesis by the National Board of Examinations, reflecting his academic excellence and contribution to critical care medicine. Fluent in Kannada, English, and Hindi, Dr. Vinay ensures clear communication with patients' families during critical care situations. Known for his calm and structured approach, he focuses on delivering compassionate, patient-centred care in high-pressure ICU environments. His expertise and commitment to clinical excellence make him one of the best critical care specialists in Yelahanka for advanced intensive care management.

### **Field of Expertise**

- Competent to provide quaternary care to complex multidisciplinary critically ill patients.
- Trained in a high-intensity Quaternary care facility providing services to 3000 critically ill patients per year, including Medical, Surgical, Complex trauma, multi-organ transplant care, including Liver, Kidney and Hematopoietic stem cell transplant recipients, including Outreach and MET (Medical emergency

teams).

- Competent to provide multi-organ supports like CRRT, SLEDD, Invasive ICP monitoring, Plasmapheresis, Temporary pacemaker insertion, Extracorporeal supports like VV-ECMO, VA ECMO, monitoring of IABP, Impella devices, Extracorporeal therapies for sepsis, including HVHF, Cytosorb, Toramycin and Oxiris filters etc.
- Procedures like Central access, temporary pacemakers, PAC catheters, Cardiac-output monitoring, arterial access, percutaneous tracheostomies, Bronchoscopy, BAL sampling, Bone marrow sampling etc.
- POCUS, Transesophageal echo (TEE) and Transcranial Doppler.
- Antimicrobial, Infection control and Diagnostic stewardship.
- End-of-Life care, Palliative care and communication skills.

### **Languages Spoken**

- Kannada
- English
- Hindi

### **Awards & Achievements**

- ISCCM Dr Kavitha Kamineni Oration Award for the best paper in Critical care for the year 2022-23. CRITICARE-ISCCM annual conference 2023-Indore.
- Commendation for Best Thesis by the National Board of Examinations, academic year 2020-2023, for Critical Care Medicine. 1. ISCCM Kavitha Kamineni Oration Award -2023 by the Indian society of critical care Medicine.
- Best thesis commendation by the National Board of Examinations (NBE) in Critical care Medicine for the year 2023.

- Top performer in ISCCM Criticquest-2023.
- Nestle nutrition quiz in Critical Care-2022-South Zone winner.
- World conference for critical care and covid(W4C) 2021-1st place in quiz for Critical care trainees.
- Third place in GICS-Global Intensive Care Symposium 2022 Quiz.
- Secured Third place in State level Faculty Essay competition on 'TB Prevention in Healthcare settings' conducted by 'State Task Force -NTEP' -Karnataka-2019.
- 1st runner-up at KAPICON state conference quiz held at JSSMC, Mysore in May 2017.
- 1st runner-up at the quiz held at the HDR summit 2018.
- Selected to represent Karnataka state for the South Zone TYSA Medical quiz for Medicine post-graduates.
- 1st runner-up at the IAP quiz for undergraduates organised by the Hubli-Dharwad chapter during internship.
- One of the few Critical care physicians in the country to have the prestigious certification for Advanced echocardiography certification from the European society of Intensive care medicine.

### **Talks & Publications**

- Karanth S, Krishnamurthy V et al. Trauma Part-6. Samavedam S, Jagathkar MG editors. Algorithms in Critical Care Medicine, Jaypee Brothers. New Delhi 2025.p 277-315.
- Krishnamurthy V, Karanth S, Padyana M, et al. Transient Arginine Vasopressin Deficiency in Living-donor Liver Transplant Recipient: A Case Report. J Acute Care 2025; <https://DOI.org/10.5005/jp-journals-10089-0132>.
- Krishnamurthy V, Karanth S. Diastolic dysfunction. In Govil D, Srinivasan S, Gupta S, editors. ISCCM Manual of Critical Care

- Ultrasound. 2nd ed. New Delhi: Jaypee Brothers, 2024. p 206-14
- 'Rational Approach to Chatter in Veno-venous Extracorporeal Membrane Oxygenation to Limit Fluid Administration: An Algorithmic Description' in Indian Journal of Critical Care Medicine. DOI: Indian Journal of Critical Care Medicine (2022): 10.5005/jp-journals-10071-24113.
  - 'An Observational Study To Identify The Relationship Between VEXUS Score And Right Ventricular Dysfunction In Predicting Adverse Renal Events'-A Pilot Study. Indian Journal of Critical Care Medicine-IJCCM.DOI: 10.5005/ijccm-27-S1-S1.
  - Case report in IJCCR- A Rare Case of successfully treated Double Valve Infective Endocarditis Due to Burkholderia cepacia Infection. DOI: 10.5005/jp-journals-11006-0029
  - A Rare Case of Primary Ventriculitis Secondary to Community-acquired Extended-spectrum  $\beta$ -lactamase Escherichia coli Meningitis. DOI: 10.5005/jp-journals-10089-0060.
  - Original research article published in the International Journal of Advances in Medicine titled 'Comparison of prediction of outcomes in upper GI bleed using non-endoscopic scoring systems' DOI: <http://dx.doi.org/10.18203/2349-3933.ijam20182391>
  - Original research article published in the International Journal of Advances in Medicine titled 'Study of spectrum of sepsis and prediction of its outcome in patients admitted to ICU using different scoring systems'. DOI: <http://dx.doi.org/10.18203/2349-3933.ijam20190123>
  - Original Research article published in Scholars Journal of Applied Medical Sciences in April 2019 titled 'Study of Effect of Anaemia on HbA1c in Diabetic Patients: A Case Control Study' DOI: 10.21276/sjams.. 2019.7.4.15.
  - Original research article 'Anaemia profile in diabetic patients with preserved renal function' in the Asian Journal of Medical Sciences. DOI: 10.3126/ajms. v12i2.31437

- Original research article titled 'Cross-sectional study of pattern of Dyslipidemia and Prevalence of Atherogenic Diabetic Dyslipidemia in newly detected Diabetic patients' in the Asian Journal of Medical Sciences. DOI: 10.3126/ajms.v10i6.25633.
- Original research article 'Comparison of clinical parameters with APACHE-II, Sequential Organ Failure Assessment and Clinical Pulmonary Infection Score scores in predicting treatment outcome of patients with ventilator-associated pneumonia' in International of Advances in Medicine. DOI: <http://dx.doi.org/10.18203/2349-3933.ijam20200671>.
- Review article 'Airborne infection control for TB in healthcare settings: it's time to act' in International Journal of Advances in Medicine. DOI: <http://dx.doi.org/10.18203/2349-3933.ijam2020>.