



DR. MRUDULA BS

Associate Consultant- ICU & Critical Care

Qualification

MD (AIIMS, New Delhi) | DM (AIIMS, New Delhi)

Overview

Dr. Mrudula BS is a highly accomplished Critical Care Physician currently working as an Associate Consultant- ICU & Critical Care at Manipal Hospital, Sarjapur Road, Bengaluru. She is distinguished by her training at the All India Institute of Medical Sciences (AIIMS), New Delhi—one of India's premier medical institutions. She brings a strong background in intensive care, focusing on patient-centric care and evidence-based practices for optimal recovery. She is a top critical care specialist in Sarjapur Road. Dr. Mrudula completed both her DM in Critical Care Medicine and MD in Anesthesiology at AIIMS, achieving the remarkable feat of securing the second rank in both her entrance and final examinations. Her expertise is built upon a solid academic foundation and rigorous practical training. Her clinical experience is extensive, having worked across high-acuity apex-level ICUs, including trauma, medical, surgical, burns, and emergency intensive care units. This diverse exposure has provided her with wide-ranging experience in managing critically ill patients. Dr. Mrudula is proficient in advanced procedures such as invasive line placements, tracheostomies (both surgical and percutaneous), advanced cardiac output monitoring, and

point-of-care ultrasonography, including focused cardiac and lung ultrasound. Dedicated to advancing medical knowledge, Dr. Mrudula has a keen academic interest. She has authored approximately eight publications in peer-reviewed journals, contributing significantly to the scientific literature. Her contributions also extend to book chapters and numerous conference presentations, reflecting her commitment to sharing expertise. Her areas of special interest include trauma and emergency critical care, comprehensive management of sepsis and infectious diseases, specialized obstetric critical care, and the crucial field of antimicrobial stewardship.

Fellowship & Membership

- KMC-122788

Field of Expertise

- Point-of-care ultrasound (POCUS) and Echocardiography
- Trauma Critical Care
- Infectious Diseases and Sepsis Management
- Obstetric Critical Care
- Antimicrobial Stewardship
- Mechanical Ventilation and ARDS
- Hemodynamic Monitoring

Languages Spoken

- Kannada
- English
- Hindi

Awards & Achievements

- Secured 2nd rank in both DM Critical Care Medicine entrance and final examinations at AIIMS, New Delhi
- Received travel and presentation grants for international conferences in Korean Anaesthesia 2023.
- Selected for and completed specialized neurocritical care training at international summer school programs—NeuroICU Summer School 2024 (Monza, Milan)
- Recognized for academic excellence and consistent performance throughout postgraduate and superspecialty training.

Talks & Publications

- Iyer KV, Mrudula BS, Goswami D. Un-“Mask”-ing the leak. *J Anaesthesiol Clin Pharmacol* 2020;36:564-5.
- Ravikumar RH, Maitra S, Prasanna M, Anand RK, Bansal VK, Baidya DK. Ultrasonographic assessment of brachial artery reactivity as a predictor of adverse outcome in patients undergoing emergency laparotomy for perforated peritonitis—a prospective observational study. *Indian J Anaesth.* 2023 Oct;67(10):905-912. doi: 10.4103/ija.ija_625_23.
- Bhattacharjee S, Prasanna M*, Maitra S, Ray BR. Lung Ultrasound Findings in a Patient with Lymphangitic Carcinomatosis. *Indian J Crit Care Med* 2024; 28 (1):82-83.
- Hosur Ravikumar R, Majage S, Prasanna M*, Ray BR. Comparison of ultrasound-guided supraclavicular subclavian vein versus infraclavicular subclavian/axillary vein catheterisation: A systematic review and meta-analysis. *J Vasc Access.* 2024; doi: 10.1177/11297298241239092
- Ravikumar RH, Prasanna M, Baidya DK. Air Leak with Abdominal

Distension in Severe ARDS: Beware of Tracheo-oesophageal Fistula! Indian J Crit Care Case Rep 2024;3(2):49–50.

- Majage, Siddhavivek; Ravikumar, Rajathadri Hosur; Prasanna, Mrudula; Chandramouli, M; Datta, Priyankar Kumar; Baidya, Dalim Kumar 1. Comparison of efficacy of ultrasound-guided erector spinae plane block versus thoracolumbar interfascial plane block in patients undergoing lumbar spine surgeries: A systematic review and trial sequential meta-analysis. Indian Journal of Anaesthesia 68(9):p 752-761, September 2024. | DOI: 10.4103/ija.ija_373_24
- Ravikumar, Rajathadri Hosur; Trikha, Anjan; Ramachandran, Rashmi; Datta, Sudip Kumar; Prasanna, Mrudula; Rewari, Vimi. Urinary electrolyte parameters in sepsis-associated acute kidney injury: A prospective observational study. Indian Journal of Anaesthesia 69(2): p 236-242, February 2025. | DOI: 10.4103/ija.ija_493_24
- Prasanna M, Shende D, Ravikumar RH, Kashyap L, Datta SK, Vyas S, et al. Renal resistive index for the prediction of augmented renal clearance: a prospective observational study. J Ultrasound. 2025. doi:10.1007/s40477-025-01035-6
- Skin Deep and Lung Bound: A Tale of Disseminated Kaposi's Sarcoma—a case report which is due to be published in Journal of The Association of Physicians of India by Jaypee publishers
- Book Chapters Submitted: Cardiorenal syndrome in 'A handbook in Critical Care Nephrology: a bedside guide' by Jaypee publishers
- Colloids for resuscitation—present status in management of critically ill—in Critical Care Nephrology: A Comprehensive, Case-Based Clinical Guide 'by Springer publication.