

DR. RUPALI PATNAIK

Consultant - Critical Care Medicine

Qualification

MBBS | MD (AIIMS, New Delhi) | DM, Critical Care Medicine (SGPGIMS, Lucknow)

Overview

Dr. Rupali Patnaik is an esteemed doctor in the department of Critical Care Medicine at Manipal Hospitals, Bhubaneswar, Odisha. With more than a decade of experience, her expertise lies in the domain of dedicated, meticulous and optimal care of patients in critical care. Her medical journey started by graduating with MBBS from M.K.C.G Medical College Berhampur, Odisha. Dr. Patnaik pursued her Doctor of Medicine (MD) degree followed by senior resident in Anaesthesiology, Critical Care and Pain Medicine from All India Institute of Medical Sciences (AIIMS), New Delhi, the most prestigious apex academic institute of India. Dr. Patnaik further broadened her expertise in critical care with a doctor of Medicine (DM) degree. Dr. Patnaik secured the all India rank 1 in the NEET-SS examination and did her DM from Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS, Lucknow), a renowned super speciality institute and the pioneer academic institute in India to have a separate Critical Care Medicine department. Starting from her medical journey, Dr. Patnaik was actively involved in various research and academic activities. She has significantly contributed to the advancement of Critical Care Medicine writing many book chapters and multiple publications to her name in reputed indexed journals. She has presented at various international and national conferences and received many awards, too. Dr. Patnaik is a distinguished faculty member for students of the DM and DrNB in Critical Care Medicine. Dr. Patnaik has immense skills in performing life-saving meticulous procedures in critically ill patients. She is trained in all advanced critical care procedures, including Extracorporeal Membrane Oxygenation (ECMO). Her vision is to work as an independent critical care physician and to be involved in improving global standards of care for the sickest patient population, making her the best Critical Care Doctor In Bhubaneswar. Dr. Patnaik is fluent in English, Hindi, Odia, and Bengali, enabling clear communication with people from various backgrounds. Her patient-oriented approach, professionalism, empathy, and compassion make Dr. Patnaik a renowned specialist in the domain of Critical Care.

Languages Spoken

- Hindi
- English
- Odia

Awards & Achievements

- Young Talent Hunt Award Critical Care 2019
- ISCCM National

Talks & Publications

- Impact of Ventilator Associated Pneumonia (VAE) on clinical course of ICU patients at 6th SG ANZICS, Intensive Care Forum, held at Suntec International Convention Centre, Singapore, April 18- 22, 2019.
- 'Correlation of neutrophil CD64, PCT and CRP with clinical course of ICU patients' at 40th e-ISICEM (International Symposium on Intensive Care and Emergency Medicine), Brussels, Belgium, September 15-18, 2020
- ISCCM young talent hunt award at 25th annual conference of the Indian Society Of Critical Care Medicine, held from 1st to 3rd February 2019 at Mumbai.
- Incorporating Lung Ultrasound in Clinical Pulmonary Infection Score as an added tool for diagnosing ventilator associated Pneumonia: A prospective observational study from a tertiary care center. At session "Our journal, Our Articles" at CRITICARE 2023 Indore.
- Lung ultrasound for diagnosis of ventilator associated pneumonia. CRITICARE 2019, held at Hotel Renaissance, from 1st to 3rd February 2019 at Mumbai. (young talent haunt award)
- Correlation of neutrophil CD64, PCT and CRP with clinical course of ICU patients' at CRITICARE 2020, held at Hyderabad International Convention Centre, Hyderabad, India, Feb 26-March 1, 2020.
- 'Impact of Ventilator Associated Pneumonia (VAE) on clinical course of ICU patients' at CRITICARE 2019, held at Hotel Renaissance, Mumbai, India, Jan 29-February 3, 2019
- Patnaik R, Mishra S.B. Coagulation disorders in a renal failure patient. Critical Care Nephrology. JAYPEE Publisher 2025. (In Press)
- Patnaik R. Invasive Fungal Infection in Hematological Malignancies. Chapter 29. Critical Care Hematology. First Edition:2024. Springer Publisher. ISBN:978-981-97-5564-6.
- Patnaik R, Jain A. Acid-Base and Electrolyte Imbalance. JAYPEE Publisher 2024. ISBN: 978-93-5696-292-7.
- Patnaik R, Gutte SH, Gurjar M. Acute Respiratory Distress Syndrome. Chapter 74. Postgraduate Medicine. First Edition:2022. JAYPEE Publisher. ISBN:978-93-90595-46-Gutte SH, Azim A, Patnaik R. Biomarkers in Hypoxia Brain Injury: Methods, Discoveries, and Applications. In book: Biomarkers in Trauma, Injury and Critical Care. Springer Publisher January 2022. DOI: 10.1007/978-3-030-87302-8_26-1
- Patnaik R, Azim A. Perfusion index using Pulse Oximetry: Utility in ICU. Chapter 20. Critical Care Update 2021. 3rd Ed. JAYPEE Publisher. ISBN: 978-93-90595-87-7.
- Patnaik R, Bhaskar B, Gurjar M. Management of Multi-Organ Failure. In COVID-19 Comprehensive Review. Jain A (Ed). New Delhi, Evangel Publishing. 2020. ISBN: 978-81-948742-4-9.
- Bhaskar B, Patnaik R, Gurjar M. Management of ARDS in COVID-19. In COVID-19 Comprehensive Review. Jain A (Ed). New Delhi, Evangel Publishing. 2020. ISBN: 978-81-948742-4-9.
- Chandramouli T, Patnaik R, Samal S, Mishra SB. Assessment of quality of life in follow-up patients with COVID-19 pneumonia: A prospective, observational study from a tertiary care center. Int J Crit Illn Inj Sci 2024;14:147-52.
- Patnaik R, Azim A, Singh K, Agarwal V, Mishra P, Poddar B, et al. Serial Trend of Neutrophil CD64, C-reactive Protein, and Procalcitonin as a Prognostic Marker in Critically Ill Patients with Sepsis/Septic Shock: A Prospective Observational Study from a Tertiary Care ICU. Indian J Crit Care Med 2024;28(8):777-784.
- Roy C, Patnaik R, Mishra SB, Jena PP. A Case of Hepatic, Splenic, and Prostatic Abscesses in One Patient with Burkholderia pseudomallei Infection. Indian J Crit Care Case Rep 2024;https://doi.org/10.5005/jp-journals-11006-0145.
- Patnaik R, Chandramouli T, Mishra SB. A systematic review and meta-analysis of randomized controlled trials with trial sequence analysis of remdesivir for COVID-19 treatment. Int J Crit Illn Inj Sci 2023;13:184-91.
- Muzaffar SN, Patnaik R, Siddiqui SS, Azim A. Letter to the Editor: ""Impact of hypoalbuminemia on mortality in critically ill patients requiring continuous renal replacement therapy"". J Crit Care. 2022 Mar 7;69:154017. doi: 10.1016/j.jcrc.2022.154017. Epub ahead of print. PMID: 35272099.
- Mouli TC, Patnaik R, Samal P, Pradhan S, Mishra SB. Leukemoid Reaction Associated with Scrub Typhus Infection: A Rare Case Report with Review of Literature. Indian J Crit Care Case Rep 2022;1(1):23-25.
- Ghatak T, Singh RK, Kumar A, Patnaik R, Sanjeev OP, Verma A, et al. The Impact of COVID-19 on the Clinical Practices, Working Environment, and Social Life of Intensivists in Non- COVID ICU. Indian J Crit Care Med 2022;26(7):816-824.
- Mishra SB, Patnaik R, Rath A, Samal S, Dash A, Nayak B. Targeted Temperature Management in Unconscious Survivors of Postcardiac Arrest: A Systematic Review and Meta-analysis of Randomized Controlled Trials. Indian J Crit Care Med 2022;26(4):506-513.10.5005/jp-journals-10071-24173.
- Patnaik R, Misra R, Azim A, Harsvardhan R, Gurjar M, Baronia A.K, Poddar B. Evaluation of Ventilator Associated Events in Critically Ill Patients with Invasive Mechanical Ventilation: A Prospective Cohort Study at a Resource

- Limited Settings in Northern India. *J Crit Care*. 2021 Aug;64:29-35. doi: 10.1016/j.jcrc.2021.03.001. Epub 2021 Mar 6.
- Samanta S, Patnaik R, Azim A, Baronia A.K, Gurjar M, Poddar B, et al. Incorporating Lung ultrasound in Clinical Pulmonary Infection Score as an Added Tool for Diagnosing Ventilator-associated Pneumonia: A Prospective Observational Study from a Tertiary Care Centre. *Indian J Crit Care Med*. 2021 Mar;25(3):284-291. doi: 10.5005/jp-journals-10071-23759.
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 - Wahab A, Patnaik R, Gurjar M. Direct Oral Anticoagulant Use in ICU patients (Part II): Current Clinical Evidences. *Anaesthesiol Intensive Ther* 2021;53(5):440-449. doi: 10.5114/ait.2021.110608.
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