



- **Name: ROHIT BHOWMICK**
- **Department: PEDIATRICS**
- **Qualification:**
MBBS (Cal), MD PEDIATRICS (PGI, CHANDIGARH)
DM PEDIATRIC CRITICAL CARE (JIPMER, PUDUCHERRY)
DrNB PEDIATRIC CRITICAL CARE (National Board)
- **About myself** (in 150 words): Expert says, "The only way to do great work is to love what you do". I am honoured and blessed to be a part of AIIMS, Kalyani. Since childhood, I always dreamt of serving the nation and the people of our state, and today, none other than a faculty post at an institute like AIIMS could allow me to fulfil my dream. Apart from bringing back smiles to ailing patients and their families, I can currently pursue the role of a teacher, researcher, administrator, and community service provider at AIIMS Kalyani. Moreover, I am privileged to contribute to the building process of an institution of national importance, nurturing from a budding level toward a future giant. I have always believed teamwork can do wonders, and I am blessed to have a great team in this institution. I am enjoying the hard work during office hours and trying to improve my professional skills to a supreme level.
- **Area(s) of interest:** Non-invasive ventilation, Sepsis, Nephro-Critical Care, Hemodynamic monitoring, Antibiotic Stewardship, Medical Education, Simulation-based teaching
- **Research publications and/or book chapters (in last five years):**

Research publications:

1. Das A, Sonowal R, Sarkar S, **Bhowmick R**, Sekhar Bhunia N, Ranjan Mishra N. Pseudomonas UTI Masquerading as Neonatal Jaundice: A Case Report. IJN. 2024 Jul 22; 0:1–2.
2. Abimannane A, Deepthi B, **Bhowmick R**, Parameswaran N. Clinical Profile and Outcomes of Children with Acute Liver Failure in a Tertiary Care Center in South India: A Retrospective Study. *Pediatr Gastroenterol Hepatol Nutr*. 2024 Jan;27(1):43–52.
3. **Bhowmick R**, Rameshkumar R, Ponnusamy M, Rajaraman V, Chidambaram M, Sheriff A, Mahadevan S. Modified Schwartz formula and ^{99m}Tc-DTPA plasma clearance methods to calculate glomerular filtration rate in critically ill children. *Pediatr Nephrol*. 2022 Apr;37(4):899-906.
4. Rameshkumar R, Chidambaram M, **Bhowmick R**. Challenges in estimating the severity of kidney dysfunction in critically ill children. *Journal of Pediatric Critical Care*. 2024 Jul;11(4):154–61.

5. Abraham S, Rameshkumar R, Chidambaram M, Soundravally R, Subramani S, **Bhowmick R**, Sheriff A, Maulik K, Mahadevan S. Trial of Furosemide to Prevent Acute Kidney Injury in Critically Ill Children: A Double-Blind, Randomized, Controlled Trial. *Indian J Pediatr.* 2021 Nov;88(11):1099-1106.
6. Jose P, Rajan N, **Bhowmick R**, Kommu P, Krishnan L. Perception of final year medical students about case scenario based summative assessment. *Psychology and Education.* 2022 Mar 5;59(2):1434–40.
7. Sheriff A, Rameshkumar R, Chidambaram M, Maulik K, Kumar RS, Jamal A, **Bhowmick R** et al. Epinephrine Plus Vasopressin vs Epinephrine Plus Placebo in Pediatric Intensive Care Unit Cardiopulmonary Resuscitation: A Randomized Double Blind Controlled Clinical Trial. *Indian Pediatr.* 2021 Jul 15;58(7):624–30.
8. **Bhowmick R**. Normal Anion Gap Metabolic Acidosis in Pediatric Acute Diarrhea: A Menace or an Innocent Bystander? *Indian Journal of Critical Care Medicine.* 2022 Nov 30;26(12):1235–6.
9. Latha AV, Rameshkumar R, **Bhowmick R**, Rehman T. Kinetic Estimated Glomerular Filtration Rate and Severity of Acute Kidney Injury in Critically Ill Children. *Indian J Pediatr.* 2020 Dec;87(12):995–1000.
10. **Bhowmick R**, Bharti B, Kumar P, Saxena AK, Bharti S. Anterolateral thigh measurements by ultrasound in neonates and young infants to ensure safe intramuscular injections during vaccination in low- and middle-income countries. *J Trop Pediatr.* 2020 Apr 1;66(2):114–20.
11. Rameshkumar R, **Bhowmick R**. Dengue fever in children-identify the devils hidden. *J Pediatr Crit Care.* 2021;8(5):215.
12. **Bhowmick R**. Endotracheal Tube Cuff Pressure Monitor: A Fancy Gadget or Necessary Tool in Intensivist's Armamentarium. *Indian J Crit Care Med.* 2021 Feb;25(2):121–2.
13. **Bhowmick R**, Gulla KM. Pediatric Acute Respiratory Distress Syndrome in COVID-19 Pandemic: Is it the Puzzle of the Century? *Indian Journal of Critical Care Medicine.* 2022 Feb 28;26(3):264–5.
14. Fathima H, **Bhowmick R**, Kasinathan A, Bhat V. Persisting irritability with fever is not always meningitis. *J Pediatr Neurosci.* 2022;0(0):0.
15. Arumugam V, **Bhowmick R**, Agarwal I, Arumadi M. Does severe ADAMTS13 deficiency in thrombotic microangiopathy rule out complement-mediated atypical hemolytic uremic syndrome. *Saudi J Kidney Dis Transpl.* 2019 Jun;30(3):701–5.
16. **Bhowmick R**, Mishra D, Kommu PP, Balraj AJ. Spontaneous resolution of prolonged cholestatic jaundice following hepatitis: an infection in a child. *Alex J Pediatr.* 2021;34(2):190.
17. Raja Balraj A, **Bhowmick R**, Kasinathan A, Kumar Kommu P. Acute flaccid paralysis in an infant. *J Curr Res Sci Med.* 2022;8(2):190.
18. Pavadai N, **Bhowmick R**, Mohanam VR, Kommu PPK. Cutaneous loxoscelism with severe angioedema in a child – A rare case report. *IJSA.* 2022 Aug 16; 1:57–9.
19. Chidambaram AC, **Bhowmick R**, Parameswaran N, Gunasekaran D. A rare case of metapneumovirus-induced rhabdomyolysis and multi-organ dysfunction in a 4-year-old child. *Paediatr Int Child Health.* 2020 Sep 10;1–4.

Book chapters

1. Chapter 130: **Traumatic Brain Injury**. IAP Standard Treatment Guidelines 2022. First Edition, 2023. Jaypee Publishers (ISBN 13 No: 978-9354656514)
2. **Examination of the Cardiovascular System**. Scotts Pedia-Tricks. Fifth Edition, 2024. Paras Publishers. (ISBN 13 No: 978-8197007965)

- **Research gate / PubMed link / Google Scholar link:**

<https://www.researchgate.net/profile/Rohit-Bhowmick-2>

<https://orcid.org/0000-0002-2589-4499>

[Rohit Bhowmick - Search Results - PubMed \(nih.gov\)](#)

<https://scholar.google.com/citations?user=rB11UTMAAAAJ&hl=en>

- **Completed & Ongoing Funded Research Projects:**

Clinic blood pressure and 24-hour ambulatory blood pressure measurement in overweight and obese adolescents: an observational study (intramural project)

- **Achievements:** (Award/Prize, Professional Recognitions, etc.)

Award/Prize

1. First prize best oral paper presentation in Mid Term Respicon, 2022 (Midterm annual conference of Indian Academy of Pediatrics, Respiratory Chapter), Indore, India
2. Pediatric Critical Care Medicine Award for best oral presentation (for early investigators) in 10th Congress of the World Federation of Pediatric Intensive & Critical Care Societies, December 2020
3. Award prize for oral and best paper presentation in Criticare 2020 (Annual conference of Indian Society of Critical Care Medicine), Hyderabad, India
4. Gold Medal and Juthika Biswas Scholarship for securing the highest marks in General Surgery in the Final MBBS Examination (Calcutta University)
5. Honours marks in General Surgery in the Final MBBS examination

Professional Recognitions

1. **Member, ALS BLS Committee, West Bengal Academy of Pediatrics (WBAP)**
2. **Member, Scientific Sub-Committee of the West Bengal Academy of Pediatrics (WBAP) for the distinguished term of 2024**
3. **Co-Scientific Committee Member, East Zone Pedicriticon 24**
4. **Life Member, Indian Academy of Pediatrics, Critical Care Chapter**
5. **Life Member, Indian Academy of Pediatrics**
6. **Life Member, Indian Society of Critical Care Medicine**
7. **Life Member, PediSTAR (Pediatric Simulation Training and Research Society), India**