



DR. VANITHA RAJAGOPALAN

Consultant & HOD - Neuroanaesthesiology & Neurocritical Care

Qualification

MBBS | MD | DNB | DM [AIIMS Delhi]

Overview

Dr. Vanitha Rajagopalan is an accomplished Neuroanaesthesiologist and neurointensivist with over 17 years of expertise in perioperative neuroscience care, advanced neurocritical care, and complex intracranial and spinal procedures in prestigious institutions like AIIMS, New Delhi, and dedicated neurosciences centres like Medanta, Gurugram; Paras, Gurugram; and BLK Max, New Delhi. She actively contributes to multidisciplinary decision-making and evidence-based critical care practices. She is actively involved in academic teaching, research protocol development, and healthcare innovation. Her work includes contributions to critical care education, telemedicine initiatives, enhanced recovery pathways, and clinical research in neuroanaesthesiology & neurocritical care. Passionate about advancing neuroscience critical care, she is committed to improving patient outcomes through precision medicine, collaborative care and continued medical education.

Fellowship & Membership

- Registered with Delhi Medical Council

- Member of Indian Society of Anaesthesiology (ISA), India (R1630)
- Member of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC), India (LMR 26)
- Member of Indian Society of Critical Care Medicine (ISCCM), India (R/18-595)
- Member of Society of Neurocritical Care (SNCC), India
- Member of Neurocritical Care Society of India (NCSI), India
- Member of Indian Society of Trauma and Acute Care (ISTAC), India
- Member of Neurocritical Care Society (NCS), USA
- Member of Research Society of Anaesthesiology Clinical Pharmacology (RSACP), India (V-172-L)
- Member of Indian College of Anaesthesiologists (ICA), India (1120)
- Member of Innovative Education and Scientific Research Foundation (IESRF), India (IESRF/2021/122)
- Member of American Society of Regional Anesthesia (ASRA) and Pain Medicine, USA.
- Life Professional Member of Institute of Scholars (InSc). (InSc 20211514) Life Member of Society of Antimicrobial Stewardship Practices in India (SASPI/LM/170)

Field of Expertise

- Management of complex neurosurgical
- Aneurysm clipping
- Intracranial tumors
- TNTS and other skull base tumors
- Awake craniotomies
- Epilepsy surgeries
- Functional neurosurgery

- Deep brain stimulation
- Minimally invasive
- Endoscopic spine surgeries
- Deformity correction
- Spine fixation
- Decompression
- Neurointervention
- Cerebral and spinal digital subtraction angiography
- Endovascular coiling of aneurysms
- Flow diverter placement for large complex aneurysms
- Carotid and intracranial stenting
- Embolisation of intracranial
- Spinal arteriovenous malformation patients
- Managing critically ill neurological
- Neurosurgical patients (subarachnoid haemorrhage)
- Acute ischemic stroke
- Intracranial hemorrhages
- Intracranial tumours
- Traumatic brain injury
- Traumatic spinal cord injury
- Cns infections and their complications
- Neuromuscular disorders like myasthenia Gravis
- Guillain-Barré Syndrome
- Autoimmune
- Viral and post-infectious CNS inflammatory disorders in high-acuity ICU settings
- Ventilatory support
- Multimodal neuromonitoring
- Targeted temperature management, post-operative neurosurgical care
- Sepsis management
- Organ support therapies.
- Skilled in advanced airway management

- Multimodal neuromonitoring
- Cerebral protection strategies
- Neurotrauma management
- Perioperative haemodynamic optimisation.

Languages Spoken

- Hindi
- English
- Bengali
- Tamil

Awards & Achievements

- Completed the Foundation Course in Palliative Medicine conducted by Trivandrum Institute of Palliative Sciences & Pallium India.
- Completed the Fundamental Critical Care Support (FCCS) Provider Course and the Instructor Course awarded by Society of Critical Care Medicine, USA. Instructor for FCCS course by SCCM, USA.
- Completed the online certificate course in Patient Blood Management (2nd Edition) by The Simulation Society (TSS), India and Werfen Academy, India.
- Received the Young Researcher Award 2021 by Institute of Scholars (InSc) for the work- Effect of Stellate Ganglion Block on Intraoperative
- Propofol and Fentanyl Consumption in Patients with Complex Regional Pain Syndrome Undergoing Surgical Repair of Brachial Plexus Injury: A Randomized, Double-blind, Placebo-controlled Trial.
- Completed Online Comprehensive course in Pain Management

(Both Ultrasound and C-arm guided procedures) by Daradia Pain Hospital, India.

- Completed the Comprehensive Critical Care Course (4C) by Indian Society of Critical Care Medicine, India.
- Completed the Certificate Course in Medicine & Law for Doctors by Institute of Medicine & Law, India.
- Completed the Point of Care Quality Improvement online course by AIIMs, New Delhi supported by WHO and USAID Assist Project.
- Completed the Advance Trauma Life Support (ATLS) Provider Course and awarded IP (Instructor Potential) to pursue the Instructor Course.
- Awarded Certificate of Honour in Physiology, Otorhinolaryngology, Surgery, Paediatrics and Obstetrics & Gynaecology for obtaining over 70% marks in the subjects.

Talks & Publications

- Rajagopalan V, Chouhan RS, Pandia MP, Lamsal R, Rath GP. Effect of Intraoperative Blood Loss on Perioperative Complications and Neurological Outcome in Adult Patients Undergoing Elective Brain Tumor Surgery. J Neurosci Rural Pract. 2019 Oct;10(4):631-640. doi: 10.1055/s-0039-3399487. Epub 2019 Dec 11. PMID: 31831982; PMCID: PMC6906102.
- Rajagopalan V, Chouhan RS, Pandia MP, Lamsal R, Bithal PK, Rath GP. Effect of Stellate Ganglion Block on Intraoperative Propofol and Fentanyl Consumption in Patients with Complex Regional Pain Syndrome Undergoing Surgical Repair of Brachial Plexus Injury: A Randomized, Double-blind, Placebo-controlled Trial. Neurol India. 2020 May-Jun;68(3):617-623. doi: 10.4103/0028-3886.288992. PMID: 32643674.
- Mahajan C, Rath GP, Sharma MS, Dube SK, Rajagopalan V,

- Bithal PK. Rate and reasons for elective ventilation in patients undergoing intracranial tumour surgery. *Journal of Neuroanaesthesiology and Critical Care* 2014 May-Aug; 1(2): 125-30.
- Khanna P, Rajagopalan V, Singh GP, Prabhakar H. A comparison of non-invasive versus invasive methods of haemoglobin estimation in patients undergoing intracranial surgery. *Southern African Journal of Anaesthesia and Analgesia*, 20:3, 160-163.
 - Radhakrishna N, Rajagopalan V, Chouhan RS, Singh S, Pandia MP. Effect of preoperative transcutaneous electrical nerve stimulation on intraoperative anesthetic drug consumption and pain scores in patients undergoing lumbar discectomy under general anesthesia. *Indian J Pain*. 2020;34:22- 6
 - Rajagopalan V, Prabhakar H. Webliography In. Prabhakar H, Kapoor I, Mahajan C. *Clinical Synopsis of COVID-19* (eBook) Singapore: Springer Nature; 2020. [Click Here](#)
 - Rajagopalan V., Gupta N. (2020) Osmotherapy. In: Prabhakar H., Mahajan C., Kapoor I. (eds) *Pharmacology in Clinical Neurosciences*. Springer, Singapore. [Click Here](#)
 - Rajagopalan V., Mariappan R. (2021) Developmental Anatomy and Physiology of the Central Nervous System in Children. In: Rath G.P. (eds) *Fundamentals of Pediatric Neuroanesthesia*. Springer, Singapore. [Click Here](#)
 - Rajagopalan V., Banik S., Rath G.P. (2021) Positioning Children During Neurosurgery. In: Rath G.P. (eds) *Fundamentals of Pediatric Neuroanesthesia*. Springer, Singapore. [Click Here](#)
 - Rajagopalan V, Singhal V, Mahajan C. (2022) Translational research in delayed cerebral ischemia. In Hemanshu Prabhakar, Charu Mahajan and Indu Kapoor (Eds) *Perioperative Neurosciences Translational Research*. Elsevier, [Click Here](#)
 - Rath G. P., Rajagopalan V. (2021) The Blood-Brain Barrier. In Sehgal Raminder and Trikha Anjan (Eds) *Yearbook of*

Anesthesiology-10. Jaypee Brothers Medical Publishers (P) Ltd., India. [Click Here](#)

- Rajagopalan V, Prabhakar H. (2021) Webliography In. Prabhakar H. Essentials of Evidence-Based Practice of Neuroanesthesia and Neurocritical Care Elsevier.
- Lalitha Sundararaman, Sau Yee Chow, Lenin Babu Elakkumanan, Vanitha Rajagopalan, Amit Verma; Physician Burnout: A Pandemic Uncovered by a Pandemic! ASA Monitor 2022; 86:19-20 doi: [Click Here](#)