

Dr. Vanitha Rajagopalan B-23, Kunj Vihar Apartments, Plot 19, Sector 12 Dwarka, New Delhi – 110078.

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Seeking regular assignment in a reputed Neuroscience Centre/ Intensive Care Unit with a growth oriented Vision

Where I can contribute in providing optimum care of patients presenting for neurosurgical procedures (surgical and interventional) and in the critical care management aspect of these patients in a well equipped neurointensive care setup.

EXPERIENCE IN NEUROANAESTHESIOLOGY AND NEUROCRITICAL CARE

Over 13 years (16 years' Experience in Anesthesiology & Critical Care)

Currently associated as Assistant Professor Neuroanaesthesiology and Critical Care at Institute of Human Behaviour and Allied Sciences (IHBAS), Delhi.

CAREER INTENTION

Further developing clinical expertise and research in neuroanaesthesia, neurocritical care, palliative and pain management, pediatric neuroanaesthesia.

QUALIFICATIONS:

DM (Neuroanaesthesiology) 2014 All India Institute of Medical Sciences (AIIMS), New Delhi, India

DNB (Anaesthesiology) Sept 2009, National Board of Examination, New Delhi, India

MD (Anaesthesiology) 2009, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Pondicherry, India

MBBS 2006, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER),

Under Graduate Pondicherry University, Pondicherry, India

2000: Higher Secondary Examination, Tamil Nadu State Board, St. Joseph of Cluny, Pondicherry, India

1998: Matriculation Examination, Tamil Nadu State Board, St. Joseph of Cluny, Pondicherry, India

EXPERIENCE

November 2021 till date: Assistant Professor Neuroanaesthesiology and Neurocritical Care at Institute of Human Behaviour and Allied Sciences (IHBAS), Delhi.

January 2019 till November 2021: Assistant Professor Neuroanaesthesiology and Critical Care at All India Institute of Medical Sciences (AIIMS), New Delhi.

September 2017 till December 2018: Consultant Neuroanaesthesiology, B L Kapur Superspeciality Hospital, New Delhi.

February 2017 –August 2017: Freelancing at Hyderabad

July 2015- October 2016: Consultant & Senior Consultant Neuroanaesthesiology & Critical Care, Paras Hospitals Gurgaon

January 2015- June 2015: Associate Consultant, Neuroanaesthesiology & Critical Care, Medanta- The Medicity, Gurgaon

2012-2014: Senior Resident at All India Institute of medical sciences New Delhi (DM Neuroanaesthesiology)

2009-2011: Senior Resident in All India Institute of Medical Sciences (AIIMS), New Delhi,

Sept 2009: National Board of Examination, New Delhi, (DNB Anaesthesiology)

2006-2009: Junior Resident in Jawaharlal Institute of Postgraduate Medical Education & Research (MD Anaesthesiology)

2005-2006: Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) (Internship)

PROJECTS UNDERTAKEN

M.D. Dissertation

1. Attenuation of hemodynamic response to laryngoscopy & Endotracheal Intubation with different doses & different timings of administration of Esmolol –A Double Blind Randomized Controlled Trial

D.M. Dissertation

1. Effect of stellate ganglion block on intraoperative propofol and fentanyl consumption in patients with CRPS- II undergoing surgical repair of brachial plexus injury
2. Effect of intraoperative blood loss on perioperative complications and neurological outcome in adult patients undergoing elective brain tumour surgery – A Retrospective Study

Projects

1. Bacteriology and antibiotic sensitivity pattern of pulmonary infection in patients in the neurosurgery intensive care.
2. Central venous cannulation associated complications – An Observational Study.
3. Percutaneous Tracheostomy in Neurointensive Care – Our Institutional Experience.
4. Red blood cell distribution width as prognostic marker in aneurysmal subarachnoid hemorrhage.
5. Red Cell Distribution Width as Prognostic Markers in Acute traumatic Brain Injury.
6. Can change in 3rd ventricle width predict post-operative cognitive dysfunction in elderly patients undergoing spine surgeries under general anaesthesia: A prospective observational pilot study?
7. Association between Red Cell Distribution Width at admission and neurological outcome in patients with status epilepticus.
8. Association between Red Cell Distribution Width at admission and neurological outcome in patients with stroke admitted to the neurointensive care unit.
9. Prevalence of anaemia in patients admitted to the neurology ICU and its effect on the neurological outcome- a retrospective analysis.

PUBLICATIONS:

Original Articles

Indexed

1. **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.

2. **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.

Non- Indexed

1. 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.
2. 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.
3. 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.

Case Reports

Indexed

1. Cherian A, Balachander H, Nagappa M, **Rajagopal V**. Bilateral vocal cord palsy following endotracheal intubation: a case report. *J Clin Anesth*. 2010 Nov;22(7):562-4.
2. Jalwal GK, **Rajagopalan V**, Bindra A, Goyal K, Rath GP, Kumar A, Gamanagatti S. Percutaneous retrieval of malpositioned, kinked and unraveled guide wire under fluoroscopic guidance during central venous cannulation. *J Anaesthesiol Clin Pharmacol*. 2014 Apr;30(2):267-9.
3. Mitra R, Goyal K, **Rajagopalan V**, Gupta P, Sokhal N. Tuberos sclerosi with head injury. *Saudi J Anaesth*. 2013 Jan;7(1):101-2.
4. Yadav S, Ghalot A, **Rajagopalan V**. A mysterious case of fat embolism. *Saudi J Anaesth* 2020;14:541-3

Non- Indexed

1. Tyagi MK, Dube SK, **Rajagopalan V**, Singh GP. Anesthetic Management of a Child with β -Thalassemia Major and Cortical Venous Thrombosis. *J Neuroanaesthesiol Crit Care* 2020 (published online) DOI: 10.1055/s-0040-1715357
2. Routaray S., Prasad C., **Rajagopalan V**. Non-invasive ventilation (NIV) induced bilateral

subcutaneous emphysema in SARS COV-2 patient: A rare occurrence. Trends in Anaesthesia and Critical Care,2021;38:18-20.

Review Article

Non- Indexed

1. **Rajagopalan V**, Kulkarni DK. Artificial Intelligence in Neuroanesthesiology and Neurocritical Care J Neuroanaesthesiol Crit Care 2020;03 (published online) DOI: [10.1055/s-0040-1701954](https://doi.org/10.1055/s-0040-1701954)
2. Chavali S, Tripathi M, **Rajagopalan V**. Fever in neurointensive care unit. J Neuroanaesthesiol Crit Care 2019;06(03) DOI: [10.1055/s-0039-3399399](https://doi.org/10.1055/s-0039-3399399)
3. Prasad C, Dube SK, **Rajagopalan V**, Chaturvedi A. Influence of patient's age on the clinical presentation, morbidity, and mortality in COVID-19: A brief review. Bali J Anaesthesiol 2020;4:S31-5
4. Seshan J, Dube SK, **Rajagopalan V**, Panda PS, Rath GP. Convalescent Plasma Therapy for COVID-19: Current Status and Future Directions. J Neuroanaesthesiol Crit Care 2020; Published online: 2020-10-16 DOI: [10.1055/s-0040-1716594](https://doi.org/10.1055/s-0040-1716594)
5. **Rajagopalan V.**, Sengupta D., Goyal K., Dube S K., Bindra A., Kedia S. Hiccups in neurocritical care. J Neurocrit Care 2021;14(1):18-28

Commentary

Non- Indexed

1. Sengupta D, Dube SK, **Rajagopalan V**, Rath GP. Modified Prone Positioning during Neurosurgery: Sphinx and Concorde Positions Revisited J Neuroanaesthesiol Crit Care 2020-08-10 (published online) DOI: [10.1055/s-0040-1715356](https://doi.org/10.1055/s-0040-1715356)

Correspondence

Non- Indexed

1. Chavali S, **Rajagopalan V**, Garg K, Rath GP. Transoral Neurosurgery during Coronavirus Disease 2019 (COVID-19) Pandemic. J Neuroanaesthesiol Crit Care 2020-08-05 (published online) DOI: [10.1055/s-0040-1714927](https://doi.org/10.1055/s-0040-1714927)

Letter to Editor

Indexed

1. **Rajagopalan V**, Tyagi MK, Dube SK, Rath GP. A game plan for the safe resumption of preanaesthetic clinic during the coronavirus disease 2019 pandemic. Indian J Anaesth 2020;64:818-9
2. Chavali S, Rath GP, **Rajagopalan V**, Chaturvedi A. Management of trigeminal neuralgia during COVID-19 pandemic. Asian J Neurosurg Ahead of Print DOI: [10.4103/ajns.AJNS_268_20](https://doi.org/10.4103/ajns.AJNS_268_20)

Non Indexed

1. Sengupta D, Dube SK, **Rajagopalan V**. Agitation following midazolam administration: The paradox. Bali J Anaesthesiol 2020;4, Suppl S2:79-80

Book Chapter

1. **Rajagopalan V.**, Prabhakar H. Webliography In. Prabhakar H, Kapoor I, Mahajan C. Clinical Synopsis of COVID-19 (eBook) Singapore: Springer Nature; 2020. <https://doi.org/10.1007/978-981-15-8681-1>
2. **Rajagopalan V.**, Gupta N. (2020) Osmotherapy. In: Prabhakar H., Mahajan C., Kapoor I. (eds) Pharmacology in Clinical Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-15-3591-8_9
3. **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. https://doi.org/10.1007/978-981-16-3376-8_2
4. **Rajagopalan V.**, Banik S., Rath G.P. (2021) Positioning Children During Neurosurgery. In: Rath G.P. (eds) Fundamentals of Pediatric Neuroanesthesia. Springer, Singapore. https://doi.org/10.1007/978-981-16-3376-8_7
5. **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, <https://doi.org/10.1016/C2020-0-02759-3>
6. 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. https://doi.org/10.5005/jp/books/18427_10
7. **Rajagopalan V.**, Prabhakar H. (2021) Webliography In. Prabhakar H. Essentials of Evidence-Based Practice of Neuroanesthesia and Neurocritical Care. Elsevier.

Featured Article:

1. 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: <https://doi.org/10.1097/01.ASM.0000806016.89323.c0>

AWARDS AND 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.
- Secured the General Proficiency award for five consecutive years from 8th to the 12th std. for having stood class first

PROFESSIONAL ORGANIZATION & ACADEMIC MEMBERSHIP

Reviewer of Journals –

1. Journal of Neuroanaesthesiology and Critical Care (JNACC).
2. Journal of Anaesthesiology Clinical Pharmacology (JOACP).
3. Indian Journal of Clinical Anaesthesiology (IJCA).
4. International Journal of Anaesthesiology, Pain management, Intensive Care and Resuscitation (APICARE).
5. Journal of Anaesthesia and Critical Care Case Reports (JACCR).
6. Neurology India.
7. International Journal of Clinical Practice (IJCP).
8. International Journal for basic and applied sciences.

Part of the American Society of Regional Anaesthesia (ASRA) Pain Medicine **Headache Special Interest Group (SIG) leadership team** as Webcast/Website Co- Liaison, ASRA Pain Medicine **Green Anaesthesia SIG leadership team** as CME Liaison, and **Regional Anesthesia Cardiothoracic Enhanced Recovery**

SIG leadership team as Newsletter & Website Liaison.

Nominated by the Neurocritical Care Society (NCS), USA membership to serve as a board member-at-large of the Board of Directors for a four-year term beginning October 2022.

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)

Registered with Delhi Medical Council (DMC 42598)

Registered with Tamil Nadu Medical Council

PERSONAL DETAILS

Date of Birth: 2nd June, 1981

Gender: Female

Languages: Tamil, English, Hindi & Bengali

Marital Status: Married