

## **DR. AAKASH AGRAWAL**

Associate Consultant - Neurology

### **Qualification**

MBBS | MD (General Medicine) | DM (Neurology, NIMHANS)

### **Overview**

Dr. Aakash Agrawal is an esteemed associate consultant in the Department of Neurology at Manipal Hospitals, Bhubaneswar, Odisha, with an overall experience of 11 years, including 4 years of focused expertise in the specialty. Dr. Agrawal obtained his Bachelor of Medicine and Bachelor of Surgery (MBBS) degree from Utkal University, Orissa, and subsequently completed his Doctor of Medicine (MD) in General Medicine at Berhampur University. Dr. Agrawal's unwavering passion for neurological care propelled him to further specialise in a Doctorate of Medicine (DM) in Neurology at the renowned National Institute of Mental Health and Neurosciences (NIMHANS) in Bengaluru. Renowned as one of the best specialists in the field of Neurosurgery, Dr. Agrawal meticulously refined and equipped himself in the intricate field of Parkinsons' disease and movement disorders under the invaluable mentorship of a distinguished expert in movement disorders. His expertise also extends to employing advanced techniques such as Deep Brain Stimulation (DBS) and precise Botulinum Toxin Injections for effectively managing various movement disorders, sialorrhea, and spasticity. Recognised for his unwavering commitment to excellence and unparalleled attention to detail, Dr. Agrawal has demonstrated remarkable proficiency in diagnosing and managing numerous complex medical cases with unparalleled

compassion and empathy. In addition to his remarkable proficiency in movement disorders, Dr. Agrawal possesses extensive knowledge and expertise in multiple sclerosis (MS) and its associated disorders, stroke, and the comprehensive management of headaches. Leveraging advanced diagnostic techniques such as Ultrasonography (USG), Transcranial Doppler (TCD), and carotid duplex, he delivers tailored and holistic care to his patients. Dr. Agrawal remains at the forefront of groundbreaking research and clinical advancements in his field, contributing significantly to its continual evolution and growth. Dr. Agrawal's unwavering dedication to professional development is evident in his successful completion of numerous specialised courses in the PSG Scoring Certification Programme from the Indian Society for Sleep Research (ISSR), where he has acquired exceptional proficiency in effectively managing sleep disorders. Furthermore, his pivotal role in stroke management is underscored by his adept use of thrombolysis, Transcranial Doppler Duplex, and Ultrasonography techniques, ensuring optimal patient outcomes and fostering a culture of excellence within his practice. In his pursuit of excellence in the diagnosis and treatment of neurologic and neuro-ophthalmic disorders, Dr. Agrawal employs state-of-the-art diagnostic modalities such as Optical Coherence Tomography (OCT) and Ocular Ultrasonography (USG). Additionally, his pioneering use of Transcranial Magnetic Stimulation (TMS) as a research tool for diagnosing and treating neurodegenerative diseases further underscores his unwavering commitment to advancing the frontiers of neurological care.

### **Fellowship & Membership**

- Member of the American Academy of Neurology (AAN)
- Member of the World Stroke Organisation (WSO)
- Member of the International Parkinson and Movement Disorder Society (MDS)
- Member of the Neuromodulation Society (TNS)

- Member of the Indian Society for Sleep Research (ISSR)
- Member of the Society of Neurosonology (SON)
- Member of the Indian Medical Association (IMA)
- Member of the Neurology Association of Odisha (NHO)

### **Field of Expertise**

- Specialises in diagnosing and treating multiple sclerosis and its associated disorders, comprehensive stroke care, and advanced headache management techniques.
- Offers expertise in Neurosonology, including nerve muscle Ultrasound Sonography (USG), Carotid Duplex, and Transcranial Doppler.
- Focuses on parkinsonism and movement disorders, providing treatments like Cervical Dystonia Botulinum Toxin Injections (CBDS) and botox injections.
- Proficient in Sleep Medicine and Polysomnography (PSG).
- Utilises Optical Coherence Tomography (OCT) and ocular USG for diagnosing neurologic and neuro-ophthalmic disorders.
- Utilises Transcranial Magnetic Stimulation (TMS) as a research tool for diagnosing, prognosticating, and treating various neurodegenerative diseases.

### **Languages Spoken**

- Odia
- Hindi
- English
- Bengali
- Marwari
- Kannada

## Awards & Achievements

- Completed PSG Scoring Certification Program from the Indian Society for Sleep Research (ISSR).
- Completed workshops on Nerve & Muscle Disorder USG, Carotid Duplex, and Transcranial Doppler.

## Talks & Publications

- MOG Antibody Seropositive Septic A Neoclinical Phenotype, Journal of Neuroimmunology, 2019, August 2015.
- Effect of Limber on Critical Excitability in NPH, The Canadian Journal of Neurological Sciences, 2020.
- Autosomal Dominant Cerebral SVD in HTRA 1 Gene mutation, Annals of Indian Academy of Neurology, 2020, January.
- Presented a poster on "Looking Beyond the Brain: Insights into Vascular Parkinson with Critical Coherence Tomography" at IAPRD, Lisbon, 2024.
- Critical Excitability Changes in Patients of Vascular Parkinsonism & Related Disorders, 2023.