

DR. BIDISHA BANERJEE

Consultant - Paediatric Neurology

Qualification

M.B.B.S., JIPMER, Pondicherry | MD (Paediatrics), PGIMER Chandigarh | DM (Paediatric Neurology), AIIMS, New Delhi

Overview

Pediatric Neurologist, Dr. Bidisha Banerjee has an outstanding educational background having trained at premier institutes of national importance. She received prizes and honours throughout her career in recognition of her academic prowess. She obtained a DM in Paediatric Neurology from All India Institute of Medical Sciences (AIIMS), New Delhi, in 2007, MD in Paediatrics from the Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, in 2003; MBBS from Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry, in 2000. Dr. Banerjee is a skilled professional with more than one and a half decades of experience. She has gained a reputation as an empathetic and knowledgeable doctor. Dr. Banerjee is an acclaimed pediatric neurologist in Bangalore. Dr. Bidisha Banerjee has participated in research and published in prestigious medical journals and textbooks in the field. Her participation in conferences and contributions to scholarly literature show her dedication to expanding knowledge and treatment of paediatric neurological illnesses. She was awarded for presenting a poster on IEM at the International Child Neurology Conference (ICNC

2018). She contributes to the teaching and training of pediatric, pediatric neurology and neurology trainees in addition to her clinical practice and academic endeavours. She intends to promote the expansion and development of paediatric neurology in India by actively supporting educational programmes. She is a member of notable societies and has been invited to speak at conferences and workshops. Dr. Bidisha Banerjee is proficient in the management of pediatric neurological problems in acute and ambulatory settings. In addition, she provides specialized care in the treatment of epilepsy, neurodevelopmental, neuro-immunological, neurometabolic, neuromuscular, stroke, neonatal neurology, neurogenetic and headache disorders. She provides high-end treatment to her patients by fusing her academic knowledge with real-world experience. Other niche skills include Paediatric electrophysiology services that involve analysis and reporting of Electroencephalography (EEG) in neonates to 18 years of age; short-term and long-term Video EEG. EMG/nerve conduction studies, Visual Evoked Potentials (VEP), and Brainstem Evoked Response Audiometry (BERA). Dietary therapies in epilepsy e.g. ketogenic diet /modified Atkins diet/Low Glycemic Index diet.

Fellowship & Membership

- Indian Academy of Pediatrics, Neurology chapter (IAP-Neurology)
- Association of Child Neurology, India (AOCN)
- International Child Neurology Association (ICNA)
- Metabolic and Rare Disorders (MERD India)
- Bangalore Neurology Society (BNS)
- Indian Medical Association

Field of Expertise

- Paediatric Neurology in acute and ambulatory settings
- Epilepsy- Evaluation and management of first seizure, epilepsy, Evaluation and Management of refractory epilepsy, Dietary therapies in epilepsy e.g. ketogenic diet /modified Atkins diet/Low Glycemic Index diet.
- Headache disorders diagnosis and management.
- Neurodevelopmental disorders- Cerebral Palsy (CP), developmental delays, ADHD, Autism spectrum, learning disability. Multidisciplinary evaluation and management in liaison with developmental specialists, psychologists, physiatrists, therapists, ophthalmologists, ENT specialists and orthopaedicians.
- Demyelinating/immune–mediated disorders- Acute disseminated encephalomyelitis (ADEM), optic neuritis (ON), acute transverse myelitis (ATM), recurrent demyelination like multiphasic ADEM, NMOSD, MS; Autoimmune encephalitis, Opsoclonus-Myoclonus ataxia syndrome. Diagnosis using- MRI, electrophysiology, CSF analysis and antibodies. Immunotherapy -Acute and long-term care, rehabilitation, monitoring and patient education.
- Neurometabolic disorders- Vast experience in diagnosis and management. Preliminary metabolic screening and confirmatory testing. Supportive and Specific treatment in emergency and long-term with medicines and special diet; monitoring and health education.
- Neurogenetic disorders- clinical evaluation, diagnosis in liaison with genetics, neuroradiology and information sharing.
- Neuromuscular disorders- Clinical evaluation, diagnostic confirmation, medical treatment and physical rehabilitation, genetic counselling.
- Stroke- evaluation and management
- Neonatal Neurology- Treatment of neonatal seizures, interpretation of neonatal EEG, assessment and follow-up of

high-risk newborns.

- Neuroinfections-Appropriate diagnostic evaluation with CSF and neuroimaging as needed. Standard Treatment and follow-up.
- Paediatric electrophysiology
- Involves analysis and reporting of
- Electroencephalography (EEG)-neonates, infants, and children up to 18 years of age. (Preparation with clean hair, and mild sleep deprivation helps. Younger children who would not be able to cooperate need a mild oral sedative).
- Video EEG-short term and long-term (to clarify the nature of events, classify epilepsy syndrome, in medically refractory epilepsy)
- EMG/nerve conduction studies- done in children with suspected neuromuscular disorder,
- Visual Evoked Potentials (VEP),
- Brainstem Evoked Response Audiometry (BERA)

Languages Spoken

- English
- Kannada
- Hindi
- Bengali

Awards & Achievements

- Award for poster presentation at the International Child Neurology Conference on IEM (ICNC 2018).
- Faculty at acute neurology workshop in international child neurology conference (ICNC 2018).
- Awards for posters at national and regional conferences.
- Publications in national and international journals and book

chapters.

- Guest lectures at several regional /national conferences.
- Course Director-Advanced training in Pediatric Neurology (MAHE). Faculty DNB Pediatrics and DNB Neurology. Thesis guide (DNB pediatrics). Trainer of PEBP courses (EEG), and PET-1 courses designed by BPNA.
- Silver medal (first rank), MD Pediatrics,2003.

Talks & Publications

- Effect of creatine monohydrate in improving cellular energetics and muscle strength in ambulatory Duchenne muscular dystrophy patients: a randomized, placebo-controlled 31P MRS study. Click Here
- Midbrain and Spinal Cord Magnetic Resonance Imaging (MRI) Changes in Poliomyelitis. Click Here
- Hashimoto's encephalopathy in a 10-year-old girl. Click Here
- Catastrophic Neurologic Manifestations of a Common Immunodeficiency Syndrome. Click Here
- Acute Encephalitis Syndrome: Approach to a Changing Paradigm. Pediatr Inf Dis 2019;1(2):85–93.
- Krishanu Mondal, Bidisha Banerjee, Ashwath Ram, Gnanam Ram, H. S. Guruprasad. Changing trend in sporadic acute encephalitis syndrome in Indian children – A retrospective cohort. J Pediatr Crit Care 2020; 7:124-30. DOI: 10.4103/JPCC.JPCC_26_20.
- Sandeep Gupta, Bidisha Banerjee, Sruthi Sasidharan, Ullas Acharya. Clinical, laboratory, radiologic profile, and outcome in acute necrotizing encephalopathy of childhood (ANEC) – A case series. Journal of Pediatric Critical Care 2021; 8: 192-6.DOI: 10.4103/jpcc.jpcc_4_21.
- Bidisha Banerjee, Ayesha Thanvi, Sameeta Prabhu. Profile and

Outcome of Children with Opsoclonus Myoclonus Ataxia: A Tertiary Care Hospital Experience from India. J Pediatr Neurol 2022;21(02);095-100. DOI-10.1055/s-0042-1750762.

- Sameeta Prabhu, Bidisha Banerjee, Ullas Acharya, Poonam Hegde, Mitesh Shetty. MELAS (Mitochondrial Encephalopathy Lactic Acidosis and Stroke)- Usual and Unusual MRI findings. Indian J Radiol Imaging 2022;32(4): 625-626.doi:10.1055/s-0042-1755241.
- Bidisha Banerjee, Sameeta M. Prabhu, Gowthami Lagudu, Mitesh Shetty, Sridevi Hegde. A Retrospective Study of the Profile and Outcome of Children with Dravet Syndrome in a Tertiary Care Hospital of Southern India. J Pediatr Epilepsy 2023; 12:91–97.
- Ravi S, Hansashree P*, Debjyoti D, Dinesh S, Karthik K, Rohan M, Bidisha B, Pooja Mand Mathuranath PS. Brain Magnetic Resonance Spectroscopy (MRS) in Neurometabolic Disorders: An Invaluable Tool. Neurol Case Rep. 2023; 6(1): 1037.
- Sameeta M. Prabhu, Bidisha Banerjee, Mitesh Shetty. A Novel PGK1 Gene Variant with Neurological Dysfunction, Haemolytic Anaemia and Myopathy: A Case Report from India. DOI: 10.4103/aian.aian_428_23.
- Manasa C, Bidisha Banerjee, Ullas Acharya, Shivakumar Shamarao. Acute Encephalopathy with Biphasic Seizures and Late Reduced Diffusion following SARS-CoV-2 Infection-A Rare Case Report. Indian J Radiol Imaging 2023 DOI https://doi.org/10.1055/s-0043-1775797.
- Books/chapters
- Rekha Mittal and Bidisha Banerjee. General Principles of Treatment of Inborn Errors of Metabolism. In Veena Kalra, Madhulika Kabra, Seema Kapoor, eds. Clinical Manual for Inborn Errors of Metabolism. New Delhi: ICMR; 2008.
- Veena Kalra, Bidisha Banerjee. Evaluation of a Comatose Child. In Udani eds. Pediatric Intensive Care.Jaypee; 2008

- Contributor. Veena Kalra. Practical Pediatric Neurology.2nd edn. New Delhi.: Arya Pub.; 2008
- Veena Kalra and Bidisha Banerjee. Microcephaly and Mental Retardation. IAP teaching modules in Pediatrics
- Anita Sharma, Bidisha Banerjee. Epileptic Encephalopathies in Infancy and Childhood. In Passi eds. Epilepsy in children. Jaypee 2014
- Bidisha Banerjee. Unusual presentation of common disease. In Shenoy, Rai eds. Clinical Grand Round in Pediatric Infectious Diseases. Jaypee 2018.
- Bidisha Banerjee. A common condition with varied presentation. In Shenoy, Rai eds. Clinical Grand Round in Pediatric Infectious Diseases. Jaypee 2018.
- Chapters. In Shenoy, Rai eds. 2nd edition Clinical Grand Round in Pediatric Infectious Diseases. Jaypee 2020
- Inborn Errors of Metabolism. Satish V Khadilkar, Gagandeep Singh eds.2nd edition. IAN textbook of Neurology. Jaypee Publishers 2024