

Name : **PROF. BIMAN KANTI RAY**
 Permanent Address : Santiban Housing Complex,
 7 Umakanta Sen Lane
 Kolkata-700 030
 Phone No : 9433185327
 Email : biman.kanti@rediffmail.com
 Date of Birth : 2nd January 1967
 Medical Registration : 48691 of WB Medical Council

ACADEMIC QUALIFICATIONS:

Examination passed	University /Board	Name of the Institution	Number of chances taken to pass	Year of Passing
D. M Neuromedicine	University of Calcutta	IPGMER & BIN Kolkata	1 st	2004
D. N. B. Medicine	D. N. B. Board, New Delhi	-----	1 st	1996
M. D Medicine	University of Calcutta	IPGMER, Kolkata	1 st	1996
3 rd MBBS	University of Calcutta	Medical College, Kolkata	1 st	1989
2 nd MBBS	University of Calcutta	Medical College, Kolkata	1 st	1987
1 st MBBS	University of Calcutta	Medical College, Kolkata	1 st	1986
Higher secondary examination	West Bengal Council of Higher Secondary Education	Rasulpur B. M High School	1 st	1984
Secondary examination	West Bengal Board of Secondary Education	Rasulpur B. M High School	1 st	1982

TEACHING EXPERIENCE:

I am currently working as a Professor in the Department of Neurology, Bangur Institute of Neurosciences (BIN), Kolkata, West Bengal. At present, I am in-charge of the Stroke clinic & Demyelination clinic in BIN & State Nodal person in charge of “Spoke and Hub Model Stroke care in West Bengal”. I am also working as the chief of the Neuro-intervention unit of Neuromedicine Department at BIN. My total experience in Neurology is of about 21 years, including 3 years of post doctoral training in Neurology in BIN Kolkata.

Details of places of posting in West Bengal Medical Education Service (WBMES) as Medical Teacher in Medical Teaching Institutions of the West Bengal:

Serial Number	Name of the Post in WBMES and places of posting	Period (dates) of service	
		From	To
1.	RMO Cum Clinical Tutor (Medicine) at BSMC, Bankura	30/06/1998	04/11/2004
2.	RMO Cum Clinical Tutor (Medicine) at IPGMER, Kolkata	05/11/2004	17/04/2005
3.	Assistant Professor (Medicine) at IPGMER, Kolkata	18/04/2005	01/06/2006
4.	RMO Cum Clinical Tutor (Neurology) at R. G. Kar Medical College and Hospital	02/06/2006	29/03/2008
5.	Assistant Professor (Neurology) at BIN	29/03/2008	29/01/2011
6.	Associate Professor (Neurology) at BIN	29/01/2011	29/05/2014
7.	Associate Professor (Neurology) at NRS	30/05/2014	23/07/2014
8.	Associate Professor (Neurology) at BIN	23/07/2014	24/08/2015
9.	Associate Professor (Neurology) at R. G. Kar Medical College and Hospital	25/08/2015	15/10/2016
10.	Associate Professor (Neurology) at BIN	16/10/2016	09/09/2018
11.	Professor (Neurology) at BIN	10/09/2018	Till Date

PARTICIPATION IN RESEARCH:

1. Co-Guide & Principal Guide for thesis of several M. D (Medicine) & D. M (Neurology) students since 2005.
2. Co-Investigator in ICMR-sponsored community-based research project “A Prospective Longitudinal Study of stroke in the City of Kolkata”, conducted by Department of Neurology, Bangur Institute of Neurosciences, Kolkata, from 2006 – 2010.
3. Conducts Stroke Clinic once every week on Wednesday, BIN Kolkata.
4. Principal Investigator of “*Fever, hyperglycemia, swallowing and hypertension management in acute in stroke: A cluster randomized controlled trial (Indian Quality Improvement in stroke Care Study)*” under ICMR, Govt. of India.
5. Principal Investigator of “*Establishment of the Indian stroke clinical trial network (INSTRuCT)*” under ICMR, Govt. of India.
6. Principal Investigator of “*Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network*” under ICMR, Govt. of India.
7. Principal Investigator of “*Edoxaban for intracranial hemorrhage survivors with atrial fibrillation (ENRICH-AF)*” under Hamilton Health Sciences, Canada.

8. Site Principal Investigator of ongoing research project “*A study on the effectiveness of a Cocktail of two monoclonal antibodies (Casirivimab and imdevimab on mild to moderate Covid 19 patients)*”, conducted by Department of Health & Family Welfare, West Bengal.
9. Principal Investigator of “*HTA of National Stroke Care Registry Programme Development of Hospital Based Stroke Registries in Different Regions of India*” under ICMR, Govt. of India.
10. Principal Investigator of “*IMPETUS: IMPlimentation of an Evaluation and Treatment Package for Uniform Stroke Care and outcomes in the Medical Colleges. An Implementation Research Study*” under ICMR, Govt. of India.
11. Principal Investigator of “*Establishment of the Indian stroke clinical trial network (INSTRUCT phase II)*” under ICMR, Govt. of India.

ACHIEVEMENT & AWARD:

Nodal person of Tele Stroke project West Bengal, achieved FICI Healthcare excellence award (Gold winner), 2022

BOOKS:

1. Bedside Neurology: Clinical Approach 1st Edition By Ray Biman Kanti.
2. Bedside Neurology: Clinical Approach 2nd Edition By Ray Biman Kanti.

PUBLICATIONS:

1. Shambaditya Das , Biman Kanti Ray , Alak Pandit , Ritwik Ghosh , Arka Prava Chakraborty , Souvik Dubey. Thalassaemia and Moyamoya Syndrome: Epidemiology and long-term outcome. European Journal of Paediatric Neurology. (2022) 63–70
2. Shambaditya Das, Biman Kanti Ray, Arka Prava Chakraborty, Abhirup Banerjee2, Alak Pandit , Gautam Das and Souvik Dubey. Persistent “MRI-negative” lupus myelitis-disease presentation, immunological profile and outcome. Frontiers in Neurology 2022.
3. Shambaditya Das, **Biman Kanti Ray**, Alak Pandit, Ritwik Ghosh, Arka Prava Chakraborty, Souvik Dubey. Thalassaemia and Moyamoya Syndrome: Epidemiology and long-term outcome. European Journal of Paediatric Neurology. 41 (2022) 63- 72.
4. Das S, **Ray BK**, Pandit A, Dubey S. MRI negative myeloradiculoneuropathy unmasking systemic lupus erythematosus. Rheumatology. (2021) 60:e318–20. doi: 10.1093/rheumatology/keab216
5. Devlina Roy, Ritwik Ghosh, Souvik Dubey, Mahua Jana Dubey, Julián Benito-León, **Biman Kanti Ray**. Neurological and Neuropsychiatric Impacts of COVID-19 Pandemic. The Canadian journal of neurological sciences. 2021.

6. Swati Kumar; Goutam Gangopadhyay; Atanu Biswas; Souvik Dubey; Alak Pandit; Shambaditya Das; **Biman Kanti Ray**, A Comparison of Cognitive performances between Neuromyelitis Optica Spectrum Disorder and Multiple Sclerosis patients in Indian context. The Egyptian Journal of Neurology, Psychiatry and Neurosurgery volume 57, Article number: 97 (2021).
7. Jeyaraj Durai Pandian , DM, FRACP; Shweta Jain Verma, MSc; Deepti Arora , MSc; Meenakshi Sharma, PhD; Rupinder Dhaliwal, MS; Himani Khatter, MSc; Rahul Huilgol, BE; P.N. Sylaja, DM; Aneesh Dhasan , PhD; Vishnu Renjith , PhD; Abhishek Pathak, DM; Aparna Pai, DM; Arvind Sharma, DM; Anand Vaishnav , MD, MPH; **Biman Ray, DM**; Dheeraj Khurana, DM; Gaurav Mittal , DM; Girish Kulkarni, DM; Ivy Sebastian, DM; Jayanta Roy, DM; Somasundaram Kumaravelu , DM; Lydia John, MD; Mahesh Kate , DM, MSc; M.V. Srivastava , DM; Madhusudhan Byadarahalli Kempgowda DM; Nomal Borah, DM; Neetu Ramrakhiani, DM; Nirendra Rai, DM; Pawan Ojha, DM; Rohit Bhatia , DM; Rupjyoti Das, MD, DNB; Sachin Sureshbabu, DM; Shaikh Afshan Jabeen, DM; Sanjeev Bhoi, DM; Sanjith Aaron, DM; Prabhakaran Sarma , PhD; Aralikatte Onkarappa Saroja , DM; Sherly Abraham, DNB; Sudhir Sharma, DM; Sulena Sulena, DM; Sankar Gorthi, DM; Sundarachary Nagarjunakonda, DM; Sunil Narayan, DM; Thomas Mathew, DM; Tina George, MD; Pamidimukkala Vijaya, DM; Vikram Huded, DM; Vivek Nambiar, DM; Y. Muralidhar Reddy , DM. "Protocol, Infrastructure, and Governance". Stroke. 2021;52:00–00. DOI: 10.1161/STROKEAHA.120.033149.
8. Kate MP, Verma SJ, Arora D, Sylaja PN, Padma MV, Bhatia R, Khurana D, Sharma A, Ojha PK, Renjith V, Kulkarni GB, Sadiq M, Jabeen S, Borah NC, **Ray BK**, Sharma M, Pandian JD. Systematic Development of Structured Semi-interactive Stroke Prevention Package for Secondary Stroke Prevention. Annals of Indian Academy of Neurology. 2020. doi: 10.4103/aian.AIAN_639_19.
9. Ghosh R, Chatterjee S, Roy D, Dubey S, **Ray BK**. Hashimoto's encephalopathy in association with retinitis pigmentosa - First reported case. J Family Med Prim Care. 2020 Mar 26;9(3):1765-1767.
10. Ghosh R, Dubey S, Finsterer J, Chatterjee S, **Ray BK**. SARS-CoV-2-Associated Acute Hemorrhagic, Necrotizing Encephalitis (AHNE) Presenting with Cognitive Impairment in a 44-Year-Old Woman without Comorbidities: A Case Report_ Am J Case Rep. 2020 Aug 16;21:e925641. doi: 10.12659/AJCR.925641.
11. Lahiri D, Ardila A, Dubey S, **Ray BK**. Analysis of an Unusual Case of Nonfluent Aphasia With Predominantly Posterior Perisylvian Lesion: An Apparent Paradox. Cogn Behav Neurol. 2020 Mar;33(1):45-51. doi: 10.1097/WNN.0000000000000212.
12. Dubey S, Ghosh R, Dubey MJ, Sengupta S, Benito-León J, **Ray BK**. Bilateral thalamic changes in anti-NMDAR encephalitis presenting with hemichorea and dystonia and acute transient psychotic disorder. J Neuroimmunol. 2020 Oct 15;347:577329. doi: 10.1016/j.jneuroim.2020.577329.
13. Das S, Dubey S, Acharya M, Ghosh R, Chatterjee S, Hazra A, Lahiri D, Segupta S, Chatterjee S, Das G, Sarkar N, **Ray BK**, Kraemer M. The disease presentation of Moyamoya angiopathy in Eastern India. J Stroke Cerebrovasc Dis. 2020 Aug;29(8):104957. doi: 10.1016/j.jstrokecerebrovasdis.2020.

14. Ghosh R, Dubey S, Chatterjee S, Finsterer J, Biswas R, Lahiri D, **Ray BK**. Primary hypoparathyroidism and multiple neuraxial involvement in mitochondrial disorder due to the variant m.15043G>A in MT-CYB. *J Neurol Sci*. 2020 Jul 15;414:116853. doi: 10.1016/j.jns.2020.116853.
15. Datta AK, Mukherjee A, Pandit A, Biswas A, **Ray BK**. Rabbit syndrome in anti-NMDAR antibody encephalitis: a unique association. *Acta Neurol Belg*. 2020 Sep 23. doi: 10.1007/s13760-020-01495-z.
16. Ghosh R, Dubey S, Chatterjee S, Finsterer J, Biswas R, Lahiri D, **Ray BK**. Pathogenicity of the m.15043G>A variant. *J Neurol Sci*. 2020 Oct 15;417:116947.
17. Ghosh R, Roy D, Dubey S, Abdelrahman K, Dey AK, Chatterjee S, Lahiri D, **Ray BK**. Juvenile dermatomyositis presenting as complete heart block in a 10-year-old girl. *Paediatr Int Child Health*. 2020 May 19:1-4.
18. Dubey S, Ghosh R, Chatterjee S, Dubey MJ, **Ray BK**, Das S, Chatterjee A, Lahiri D, Kraemer M. Spicy foods triggering clinical symptoms in Moyamoya angiopathy. *J Neurosurg Sci*. 2020 Jun 17. doi: 10.23736/S0390-5616.20.05030-4.
19. Ghosh R, Lahiri D, Dubey S, **Ray BK**, Benito-León J. Hallucinatory palinopsia in COVID-19 induced posterior reversible encephalopathy syndrome. *J Neuroophthalmol*. 2020 Sep 7. doi: 10.1097/WNO.0000000000001135.
20. Chaudhuri J, Dubey S, **Ray BK**, Biswas T. Phrenic nerve palsy in Japanese encephalitis: a rare association. *Acta Neurol Belg*. 2020 Jul 8. doi: 10.1007/s13760-020-01433-z.
21. Ghosh R, Dubey S, **Ray BK**, Purkait S, Pandit A, Benito-León J. Isolated opsoclonus heralding neuromyelitis optica spectrum disorder. *J. Neuroimmunol*. 2020 Nov 15;348:577394.
22. Lahiri D, Dubey S, **Ray BK**, Ardila A. Hallucinatory palinopsia and paroxysmal oscillopsia as initial manifestations of sporadic Creutzfeldt-Jakob disease: A case study. *Cortex*. 2020 Mar;124:188-192.
23. Chatterjee S, Dubey S, Lahiri D, **Ray BK**. Non vitamin K oral anticoagulants versus antiplatelets in embolic stroke of undetermined source: most updated evidence. *Minerva Cardioangiol*. 2019 Aug;67(4):340-347.
24. Das S, Dubey S, Acharya M, Chatterjee S, Lahiri D, Das G, **Ray BK**, Kraemer M. Thalassemia and Moyamoya syndrome: unfurling an intriguing association. *J Neurol*. 2019 Nov;266(11):2838-2847
25. Lahiri D, Dubey S, Sawale VM, Das G, **Ray BK**, Chatterjee S, Ardila A. Incidence and Symptomatology of Vascular Crossed Aphasia in Bengali. *Cogn Behav Neurol*. 2019 Dec;32(4):256-267.
26. Banerjee TK, Dutta S, Das S, Ghosal M, **Ray BK**, Biswas A, Hazra A, Chaudhuri A, Paul N, Das SK. Epidemiology of dementia and its burden in the city of Kolkata, India. *Int J Geriatr Psychiatry*. 2017 Jun;32(6):605-614.

27. **Ray BK**, Paul N, Hazra A, Das S, Ghosal MK, Misra AK, Banerjee TK, Chaudhuri A, Das SK. Prevalence, burden, and risk factors of migraine: A community-based study from Eastern India. *Neurol India*. 2017 Nov-Dec;65(6):1280-1288.
28. Tripathy PK, **Ray BK**, Mohanty HK. Congenital absence of jejunum and ileum: A case report and literature review. *Afr J Paediatr Surg*. 2017 Jul-Sep;14(3):53-55.
29. Das S, Hazra A, **Ray BK**, Ghosal M, Chaudhuri A, Banerjee TK, Das SK. Knowledge, attitude, and practice in relation to stroke: A community-based study from Kolkata, West Bengal, India. *Ann Indian Acad Neurol*. 2016 Apr-Jun;19(2):221-7.
30. Banerjee TK, Dutta S, **Ray BK**, Ghosal M, Hazra A, Chaudhuri A, Das SK. Epidemiology of epilepsy and its burden in Kolkata, India. *Acta Neurol Scand*. 2015 Sep;132(3):203-11.
31. Ghosal MK, Burman P, Singh V, Das S, Paul N, **Ray BK**, Hazra A, Banerjee TK, Basu A, Chaudhuri A, Das SK. Correlates of functional outcome among stroke survivors in a developing country--a prospective community-based study from India. *J Stroke Cerebrovasc Dis*. 2014 Nov-Dec;23(10):2614-2621.
32. Gupta A, Das D, **Ray BK**, Ganguli G. Childhood Moyamoya Disease: A Clinical Angiographic Study from Eastern India. *Indian Pediatrics*. 2013
33. Paul N, Das S, Hazra A, Ghosal MK, **Ray BK**, Banerjee TK, Chaudhuri A, Sanyal D, Basu A, Das SK. Depression among stroke survivors: a community-based, prospective study from Kolkata, India. *Am J Geriatr Psychiatry*. 2013 Sep;21(9):821-31.
34. Chakraborty D, Ganguly G, **Ray BK**, Paul N, Roy A, Pandit A, Senapati AK. Study of behavioural and cognitive disorders in school going children with epilepsy. *Journal of Pediatric Epilepsy*. 2013.
35. Banerjee TK, Dutta S, **Ray BK**, Ghosal M, Hazra A, Chaudhuri A, Das SK. Disease burden of stroke in Kolkata, India: derivation of disability-adjusted life years by a direct method. *Neuroepidemiology*. 2013;41(2):88-93.
36. Das S, Paul N, Hazra A, Ghosal M, **Ray BK**, Banerjee TK, Burman P, Das SK. Cognitive dysfunction in stroke survivors: a community-based prospective study from Kolkata, India. *J Stroke Cerebrovasc Dis*. 2013 Nov;22(8):1233-42.
37. **Ray BK**, Hazra A, Ghosal M, Banerjee T, Chaudhuri A, Singh V, Das SK. Early and delayed fatality of stroke in Kolkata, India: results from a 7-year longitudinal population-based study. *J Stroke Cerebrovasc Dis*. 2013 May;22(4):281-9
38. Das D, Tanaka M, **Ray BK**, Singh V. Hemisphere venous dysgenesis in a woman presenting with seizures, weakness and parkinsonism. *BMJ Case Rep*. 2013.
39. Banerjee TK, **Ray BK**, Das SK, Hazra A, Ghosal MK, Chaudhuri A, Roy T, Raut DK. A longitudinal study of epilepsy in Kolkata, India. *Epilepsia*. 2010 Dec;51(12):2384-91.

40. Das S, Hazra A, **Ray BK**, Ghosal M, Banerjee TK, Roy T, Chaudhuri A, Raut DK, Das SK. Burden among stroke caregivers: results of a community-based study from Kolkata, India. *Stroke*. 2010 Dec;41(12):2965-8.
41. Das SK, Misra AK, **Ray BK**, Hazra A, Ghosal MK, Chaudhuri A, Roy T, Banerjee TK, Raut DK. Epidemiology of Parkinson disease in the city of Kolkata, India: a community-based study. *Neurology*. 2010 Oct 12;75(15):1362-9.
42. Saha SP, Bhattacharya S, **Ray BK**, Basu A, Roy T, Maity B, Das SK. A prospective incidence study of epilepsy in a rural community of West Bengal, India. *Neurology Asia*. 2008.
43. Basu S, Sanyal D, Ghosal M, **Ray BK**, Senapati AK, Das SK. Psychometric properties of Bengali version of QOLIE-2010 in epileptic patients. *Annals of Indian Academy of Neurology*. 2008
44. Ghosh SK, Bandopadhyay D, **Ray BK**, Halder S, Chatterjee G. Idiopathic generalized anhidrosis: A feature of paraneoplastic failure. *Indian J Dermatol Venereol*. 2008
45. **Ray BK**, Guha G, Misra AK, Das SK. Involuntary jerking of lower half of the body (spinal myoclonus). *J Assoc Physicians India*. 2005 Feb;53:141-3.
46. **Ray BK**, Gunha G, Sarkar N, Mishra A, Senapati A, Das SK. Selective serotonin reuptake inhibitors-- few pitfalls. *J Assoc Physicians India*. 2003 Jun;51:635-6.
47. **Ray BK**, Bhattacharya S, Kundu TN, Saha SP, Das SK. Epidemiology of epilepsy-- Indian perspective. *J Indian Med Assoc*. 2002 May;100(5):322-6.
48. Ghoshal UC, Saha J, Ghoshal U, **Ray BK**, Santra A, Naik S, Mazumder DN. Pigmented nails and *Strongyloides stercoralis* infestation causing clinical worsening in a patient treated for immunoproliferative small intestinal disease: two unusual observations. *J Diarrhoeal Dis Res*. 1999 Mar;17(1):43-5.
49. Chakraborty U, Gupta S, Dutta A, Ray BK , Gandhi A , Srivastava T , Kumar R , Das D. Spectrum of Posterior Cerebral Artery Dissection: A Retrospective Observational Study and a Critical Review. 20-Apr-2023 *Annals of Indian Academy of Neurology*. DOI: 10.4103/aian.aian_953_22
50. Srivastava SR, Sarkar P, Ganguly P, Mukherjee D, Ray BK, Dubey S, *et al*. Central retinal artery occlusion in COVID-associated mucormycosis. *J Global Infect Dis* 2023;15:66-71. DOI: 10.4103/jgid.jgid_185_22 .