

Dr. Netravathi M, MBBS, DM (Neurology)

CURRICULUM VITAE (CV)

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1. EDUCATIONAL QUALIFICATION:

Degree	Institution	Field(s)	Year
M.B.B.S.	Dr B R Ambedkar Medical College & KC General Hospital, Bangalore, India	Medicine, Surgery, Obstetrics, Gynaecology	2001
D.M.	NIMHANS, Deemed University	Neurology	2008

2. RESEARCH/TRAINING EXPERIENCE

Designation	Institution/place	From date (Date and month and year)	To date (Date and month and year)
Assistant professor	NIMHANS	June 2011	To date
Consultant Neurologist	Narayana Institute of Neurosciences	May 2009	May 2011
Assistant Professor (Adhoc)	Narayana Institute of Neurosciences	November 2008	February 2009
Senior resident	Narayana Institute of Neurosciences	August 2008	Nov 2009
Assistant Professor	NIMHANS	June 2011	June 2014
Associate Professor	NIMHANS	July 2014	Dec 2016
Additional Professor	NIMHANS	Jan 2017	May 2021
Professor	NIMHANS	June 2021 onwards	

HONORS/AWARDS

1. ***Started the 1st PDF in CNS demyelination in India – which is a 1-year fellowship following DM in Neurology***
 2. Oration – Late Sri Ghewarchand Surana memorial lecture – on NMO Spectrum Disorders – 10-10-2022 – at MERT 2022; API Karnataka Chapter
 3. Felicitation from the Rotary Club of Bangalore for work on Multiple Sclerosis – June 2022
 4. Talk on “Importance of Promoting awareness for Multiple sclerosis” for World Brain day 2021 – listed in the World federation of Neurology website.
 5. Talk on BBC Radio on : Neurological manifestations of COVID-19 and the trend of clinical manifestations in India. Along with Professor David Heyman from LSMTH, David L. Heymann is an American infectious disease epidemiologist and public health expert, based in London. Professor Soo Alleman Karolinska Institute and Dr David Collier from Barts Hospital - The presenter was Claudia Hammond who also presents Health Check on the World Service.
 6. The research story based on the thesis topic was awarded as one of the 100 Best Popular Science Stories (Rank 38) under the Ph.D. category in Augmenting Writing Skills for Articulating Research (AWSAR), award competition organized by Department of Science and Technology (DST) 2018, Vigyan Prasar, New Delhi.
 7. The website: Adrenoleukodystrophy news (www.adrenoleukodystrophynews.com) published the article titled: “Researchers Develop Efficient Method to Screen for ALD in India, Study Reports,” which was based on our research paper entitled: Flow injection ionization-tandem mass spectrometry-based estimation of a panel of lysophosphatidylcholines in dried blood spots for screening of X-linked adrenoleukodystrophy, published in Clin Chim Acta. 2019 Apr 10;495:167–73.
 8. The Article Pruritis in NMO was in the Cover page of Multiple sclerosis Journal – 2017 May; Volume 23; Number 6.
 9. 2nd Best Paper presentation at AOCN 2014, Macao for the paper “A Clinical, Radiological, Electrophysiological characterization of Post-Trauma movement disorders”
 10. First rank in PUC II – 1994
 11. Best Outgoing student in Class 10 – 1992
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AUTHOR FOR CHAPTERS IN TEXTBOOKS

1. **Netravathi M**, Pal PK. Cerebellar disorders: API text book 2020-21.
 2. **Netravathi M**, Pal PK. Cerebellar disorders: API text book 2017.
 3. Anita M, Sinha S, **Netravathi M**, Satishchandra P, Shankar SK. Chronic infections of the Nervous system and prion diseases. In Khadilkar SV, Wadia N (Eds) Neurological Practice 2014.
 4. **Netravathi M**, Pal PK. Overview on Ataxias: API text book 2014.
 5. Chandra SR, **Netravathi M**. Viral infections of the CNS: in Textbook of Medicine.
 6. **Netravathi M**, Pal PK, Satishchandra P. Bladder, Bowel and Sexual dysfunction in “Differential diagnosis in Neurology” 2014.
 7. Pramod Kumar Pal & **Netravathi M**. Parkinson Plus Syndrome. *Book Chapter* in SB Gupta Ed. Postgraduate Medicine. Vol. 28, Published by APICON, 2014, 335-346.
 8. **Netravathi M**, Pal PK. Gait disorders in “Differential diagnosis in Neurology” 2014.
 9. **Netravathi M**, Pal PK. Tremor. Movement disorders. In: Sinha KK, Jha DK (Eds) The association of physicians of India, Indian college of physicians, Ranchi, 2012; 132-142.
 10. **Netravathi M**, Pal PK. Tremor. Movement disorders. In: Sinha KK, Jha DK (Eds) The association of physicians of India, Indian college of physicians, Ranchi, 2012; 132-142.
 11. Ethical and social issues in Epilepsy. In: HV Srinivas, Netravathi M. In: Ashok kumar (ed). Epilepsy – A review. Indira Gandhi Institute of Medical Sciences, Patna, 52-61.
 12. Pal PK, **Netravathi M**. Role of electrophysiology in the evaluation of movement disorders. In: Rajashekar V & Bhattacharyya K (Eds). Progress in Clinical Neurosciences, (22), New Delhi, Neurological Society of India, Chapter 3;16-24
 13. Panicker JN, Taly AB, Sinha S, Arunodaya GR, **Netravathi M**, Koor JM, Kutty BM. An Unusual Presentation of the Obstructive sleep Apnea Syndrome: In: Kutty BM, Raju TR (eds). Proceedings of the Second National Conference of Indian Society of Sleep Research, NIMHANS, Bangalore, Chapter 10; 110- 114.
 14. **Netravathi M**, Taly AB, Nair KPS. Scores and scales in Neurology. In: Taly AB, Srivastava A, Murali T, Nair KPS, Maheshwarappa BM (eds). Regeneration, Repair & Rehabilitation redefined. NIMHANS, Bangalore, Appendix (241-65).
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PUBLICATIONS

1. FDG-PET in autoimmune encephalitis: Utility, pattern of abnormalities, and correlation with autoantibodies. Shreyashi Jha, Chandana Nagaraj, RC Mundlamuri, Suvarna Alladi, Saraswati Nashi, Raghavendra Kenchaiah, Anita Mahadevan, Maya Bhat, Jitender Saini, M Netravathi. *Annals of Indian Academy of Neurology* 2022;25(6):1122-1129. 10.4103/aian.aian_645_22
2. An unusual cause for cauda equina and spastic paraparesis: Two cases of brucellar arachnoiditis without spondylodiscitis or constitutional symptoms. D Menon, N Varghese, S Nagarathna, J Saini, M Netravathi. *Annals of Indian Academy of Neurology* 25 (6), 1241. 10.4103/aian.aian_667_22.
3. Holla VV, Neeraja K, Stezin A, Netravathi M, Kamble N, Yadav R, Pal PK. Scoring Algorithm-Based Genomic Testing in Dystonia-A Validation study from a Single Centre Cohort from India. *InMOVEMENT DISORDERS* 2022 Sep 1 (Vol. 37, pp. S270-S271). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
4. Deciphering the footprints of autoimmunity in CNS demyelinating disorders. M Netravathi. *Annals of Indian Academy of Neurology* 2022; 25(5):787-89. 10.4103/aian.AIAN_8_22
5. Characterization and Analysis of Neurologic Adverse Events Associated with COVID-19 Vaccination (S12. 006). Abhilasha Boruah, Erica Westenberg, Abdul Hanif Khan, Fan Kee Hoo, Alla Guekht, Marianna Spatola, Ismael Calandri, M Netravathi, Tissa Wijeratne, Elyce Warburton, Mohamed Fahmy Doheim, Carolin Pulickal, Jakin Chen, Kiran Thakur, Nicholas Mulchan, Vivian Ssonko, Lindsay Tetreault, Jim Sejvar, Simon Faissner, Jeyanthan Charles James, Jessica Hunter, David García-Azorín, Arina Tamborska, Maja Bresjanac, Guillermo Delgado-Garcia, Nina Singh, Betül Baykan, Hasim Gezeugen, Nana Kyei-Frimpong, Andrea Winkler, Jennifer Frontera. *Neurology* 2022;98(18 suppl):3784.
6. Bharath RD, Bhardwaj S, Panda R, Stezin A, Khokhar SK, Prasad S, Tyagi V, Kamble N, Kumar K, Netravathi M, Yadav R. Single session of rTMS enhances brain metastability and intrinsic ignition. *bioRxiv*. 2022 Jan 1.
7. Neurological Events Reported after COVID-19 Vaccines: An Analysis of VAERS. Frontera JA, Tamborska AA, Doheim MF, Garcia-Azorin D, Gezeugen H, Guekht A, Yusof Khan AHK, Santacatterina M, Sejvar J, Thakur KT, Westenberg E, Winkler AS, Beghi E; contributors from the Global COVID-19 Neuro Research Coalition (Netravathi M). *Ann Neurol*. 2022 Mar 2;91(6):756-71. doi: 10.1002/ana.26339. Online ahead of print.

8. *Cryptococcus gattii*: A Poseur to Behold! Ahmed S, Saini J, Netravathi M, Manohar P, Chandrashekar N. *Cureus*. 2022 Aug 24;14(8):e28344. doi: 10.7759/cureus.28344. eCollection 2022 Aug.
9. Anatomical substrates for neuropsychiatric symptoms in patients with Huntington's Disease. N. Kamble, J. Saini, M. Netravathi, S. Jain, P.K. Pal. *APrkinsonism & related disorders* 2020; 79(1):E107. DOI:<https://doi.org/10.1016/j.parkreldis.2020.06.389>
10. Disseminated Cysticercosis in Indian Scenario - Experience from a Teaching University Hospital. Ganaraja HV, Mahadevan A, Saini J, Nalini A, Pal PK, Satishchandra P, Netravathi M. *Neurol India*. 2022 May-Jun;70(3):1032-1040. doi: 10.4103/0028-3886.349634.
11. Mirror movements and dysrtonia in SRD5A3-related CDG: Expanding the Phenotypic & genotypic spectrum. *Mov Disord Clin Practice* 2022. Vikram V. Holla MD, DM, Anush Rangarajan MD, DM, Gautham Arunachal MD, Babylakshmi Muthusamy PhD, Nitish Kamble MD, DM, Ravi Yadav MD, DM, Pramod Kumar Pal MD, DNB, DM, FRCP, Manjunath Netravathi DM. <https://doi.org/10.1002/mdc3.13627>.
12. A splice altering variant in NDRG1 gene causes Charcot-Marie-Tooth disease, type 4D. Pravinbabu P, Holla VV, Phulpagar P, Kamble N, Netravathi M, Yadav R, Pal PK, Muthusamy B. *Neurol Sci*. 2022 Jul;43(7):4463-4472. doi: 10.1007/s10072-022-05893-4. Epub 2022 Feb 11.
13. Role of the pathologist in the diagnosis of autoimmune encephalitis. Rao S, Netravathi M, Mahadevan A. *Indian J Pathol Microbiol*. 2022 May;65(Supplement):S198-S206. doi: 10.4103/ijpm.ijpm_41_22.
14. Classical Onion Bulb-Like Appearance in Balo's Concentric Sclerosis. Murumkar VS, Kulanthavelu K, Netravathi M, Holla VV. *Neurol India*. 2022 Jan-Feb;70(1):164-165. doi: 10.4103/0028-3886.338643.
15. Biotin-Responsive Basal Ganglia Disease: Treatable Metabolic Disorder with SLC19A3 Mutation Presenting as Rapidly Progressive Dementia. Oommen AT, Polavarapu K, Christopher R, Netravathi M. *Neurol India*. 2022 Mar-Apr;70(2):733-736. doi: 10.4103/0028-3886.344659.
16. Spectrum of Clinical and Imaging Characteristics of 48 X-Linked Adrenoleukodystrophy Patients: Our Experience from a University Hospital. Bhat M, Natarajan A, Chandra SR, Christopher R, Netravathi M. *Neurol India*. 2022 Jul-Aug;70(4):1554-1561. doi: 10.4103/0028-3886.355099.
17. Fever related super-refractory status epilepticus: An adulthood presentation of a novel POLG variant: A case report. Menon D, Marasakatla S, Holla VV, Kamble N, M N, Pal PK. *Seizure*. 2022 Jul;99:24-26. doi: 10.1016/j.seizure.2022.04.011. Epub 2022 Apr 26.

18. Cognition in Patients With Multiple System Atrophy (MSA) and Its Neuroimaging Correlation: A Prospective Case-Control Study. Dash S, Mahale R, Netravathi M, Kamble NL, Holla V, Yadav R, Pal PK. *Cureus*. 2022 Jan 29;14(1):e21717. doi: 10.7759/cureus.21717. eCollection 2022 Jan.
19. A real world multi center study on efficacy and safety of natalizumab in Indian patients with multiple sclerosis. Mathew T, Kamath V, John SK, Netravathi M, Iyer RB, Raghavendra S, Kumar S, Neeharika ML, Gupta S, Murgod U, Shivakumar R, Annadure RK, Ichaporia N, Rohatgi A, Nair SS, Yareeda S, Anand B, Singh P, Renukaradhya U, Arulselvan V, Reddy YM, Surya N, Sarma GRK, Nadig R, Deepalam S, Sharath Kumar GG, Satishchandra P, Singhal BS, Parry G. *Mult Scler Relat Disord*. 2022 Oct;66:104059. doi: 10.1016/j.msard.2022.104059. Epub 2022 Jul 25.
20. Subacute Sclerosing Panencephalitis: Restricted Diffusion and Clinical Evolution. Prasad C, Netravathi M, Kulanthaivelu K, Bhat MD, Pendharkar H. *iemNeurol India*. 2022 Jan-Feb;70(1):275-280. doi: 10.4103/0028-3886.338737.
21. COVID-19 vaccine associated demyelination & its association with MOG antibody. Netravathi M, Dhamija K, Gupta M, Tamborska A, Nalini A, Holla VV, Nitish LK, Menon D, Pal PK, Seena V, Yadav R, Ravindranadh M, Faheem A, Saini J, Mahadevan A, Solomon T, Singh B. *Mult Scler Relat Disord*. 2022 Apr;60:103739. doi: 10.1016/j.msard.2022.103739. Epub 2022 Mar 13.
22. Amide proton transfer imaging for differentiation of tuberculomas from high-grade gliomas: Preliminary experience. Kulanthaivelu K, Jabeen S, Saini J, Raju S, Nalini A, Sadashiva N, Hegde S, Rolla NK, Saha I, M N, Vengalil S, Swaroop S, Rao S. *Neuroradiol J*. 2021 Oct;34(5):440-448. doi: 10.1177/19714009211002766. Epub 2021 Apr 7.
23. Utility of Clinical Exome Sequencing in Dystonia: A Single-Center Study From India. Holla VV, Neeraja K, Stezin A, Prasad S, Suriseti BK, Netravathi M, Kamble N, Yadav R, Pal PK. *J Mov Disord*. 2022 May;15(2):156-161. doi: 10.14802/jmd.21146. Epub 2022 Mar 16.
24. Spectrum of Movement Disorders in Niemann-Pick Disease Type C. Devaraj R, Mahale RR, Sindhu DM, Stezin A, Kamble N, Holla VV, Netravathi M, Yadav R, Pal PK. *Tremor Other Hyperkinet Mov (N Y)*. 2022 Sep 8;12:28. doi: 10.5334/tohm.701. eCollection 2022.
25. Consensus Clinical Guidance for Diagnosis and Management of Adult COVID-19 Encephalopathy Patients. Michael BD, Walton D, Westenberg E, García-Azorín D, Singh B, Tamborska AA, Netravathi M, Chomba M, Wood GK, Easton A, Siddiqi OK, Jackson TA, Pollak TA, Nicholson TR, Nair S, Breen G, Prasad K, Thakur KT, Chou SH, Schmutzhard E, Frontera JA, Helbok R, Padovani A, Menon DK, Solomon T, Winkler AS; Global COVID-19

- Neuro Research Coalition. *J Neuropsychiatry Clin Neurosci.* 2022 Jul 25;appineuropsych22010002. doi: 10.1176/appi.neuropsych.22010002. Online ahead of print.
26. The Spectrum of Neuro-COVID: A Study of a Comprehensively Investigated Large Cohort from India. Vengalil S, Mahale R, Chakradhar N, Alluri S, Sagar Navanith PR, Ganaraja VH, HariPriya KR, Vikram HV, Asranna A, Mailankody P, Seshagiri DV, Cheerla HM, Maturu VN, Vaddepally CR, Kenchaiah R, Srijithesh PR, Chaudhuri JR, Netravathi M, Alladi S. *Ann Indian Acad Neurol.* 2022 Mar-Apr;25(2):194-202. doi: 10.4103/aian.aian_310_21. Epub 2022 Jan 12.
 27. Long-term sequelae of herpes simplex virus encephalitis-related white matter injury: correlation of neuropsychological outcome and diffusion tensor imaging. Medhi G, Kapadia A, Parida S, C D, Bagepalli BS, M N, Kumar K, Gupta AK, Saini J. *J Neurovirol.* 2021 Aug;27(4):601-608. doi: 10.1007/s13365-021-01000-z. Epub 2021 Aug 16.
 28. Approaches to understanding COVID-19 and its neurological associations. Beghi E, Michael BD, Solomon T, Westenberg E, Winkler AS; COVID-19 Neuro Research Coalition (Netravathi M). *Ann Neurol.* 2021 Apr 9;89(6):1059-67. doi: 10.1002/ana.26076. Online ahead of print.
 29. Carson G; Long Covid Forum Group. Research priorities for Long Covid: refined through an international multi-stakeholder forum. *BMC Med.* 2021 Mar 31;19(1):84. doi: 10.1186/s12916-021-01947-0.
 30. Prodromal emesis in MOG-antibody associated disorder. Netravathi M, Holla VV, Saini J, Mahadevan A. *Mult Scler Relat Disord.* 2021 Dec 16;58:103463. doi: 10.1016/j.msard.2021.103463. Online ahead of print. PMID: 34933247
 31. Stereotypy with Parkinsonism as a Rare Sequelae of Dengue Encephalitis: A Case Report and Literature Review. Ganaraja VH, Kamble N, Netravathi M, Holla VV, Koti N, Pal PK. *Tremor Other Hyperkinet Mov (N Y).* 2021 Jun 23;11:22. doi: 10.5334/tohm.630.
 32. Multiparametric magnetic resonance imaging features of giant intracranial tuberculomas. Peer S, Tiwari S, Swaminathan AD, Jabeen S, Saini J, Prasad C, Kulanthavelu K, Murumkar V, Vengalil S, Netravathi M, Nalini A, Raju S, Swaroop NS, Srinivas D. *Clin Neurol Neurosurg.* 2021 Nov;210:107006. doi: 10.1016/j.clineuro.2021.107006. Epub 2021 Oct 25. PMID: 34739879
 33. Pediatric Functional Movement Disorders: Experience from a Tertiary Care Centre. Rakesh K, Kamble N, Yadav R, Bhattacharya A, Holla VV, Netravathi M, Seshadri S, Pal PK. *Can J Neurol Sci.* 2021 Jul;48(4):518-524. doi: 10.1017/cjn.2020.213. Epub 2020 Sep 28. PMID: 32981548
 34. Acute Necrotizing Encephalopathy as a Complication of Chikungunya Infection. Holla VV, Gohel AB, Kartik N, Netravathi M. *Neurol India.* 2021 Mar-Apr;69(2):490-492. doi: 10.4103/0028-3886.314525. PMID: 33904484

35. Amide proton transfer imaging for differentiation of tuberculomas from high-grade gliomas: Preliminary experience. Kulanthaivelu K, Jabeen S, Saini J, Raju S, Nalini A, Sadashiva N, Hegde S, Rolla NK, Saha I, M N, Vengalil S, Swaroop S, Rao S. *Neuroradiol J.* 2021 Oct;34(5):440-448. doi: 10.1177/19714009211002766. Epub 2021 Apr 7. PMID: 33823712
36. Kamath SD, Manisha G, Lanka V, Holla VV, Saini J, **Netravathi M**. Non-Convulsive status epilepticus associated with diabetic ketosis: Case Report & Literature Review. *Neurology & Clinical Neuroscience* 2021. DOI: 10.1111/ncn3.12536
37. Spectrum of Childhood Dystonia evaluated at a tertiary care centre from South India. Ganaraja VH, **Netravathi M**, Nitish Kamble, VV Holla, Dwarkanath S, Yadav R, Pal PK. *Annals of Movement Disorders* 2021 (accepted)
38. Raja P, Shamick B, Nitish LK, et al. Clinical characteristics, treatment and long-term prognosis in patients with anti-NMDAR encephalitis. *Neurological Sciences : Official Journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology.* 2021 Mar. DOI: 10.1007/s10072-021-05174-6.
39. Panda SS, Nalini A, Preethish-Kumar V, Udupa K, Yadav R, Vengalil S, Reshma SS, Polavarapu K, Nashi S, Sathyaprabha TN, Thomas PT, Bhat M, Jamuna R, Mahadevan A, Netravathi M, CASPR2-Related Morvan Syndrome. Autonomic, Polysomnographic, and Neuropsychological Observations. *Neurology: Clinical Practice* June 2021 vol. 11 no. 3 e267-e276 doi:10.1212/CPJ.0000000000000978
40. Ramalakshmi NS, Dwarkanath S, Mahadevan A, Netravathi M. Unravelling Diagnostic Dilemma: AQP4-Positive Transverse Myelitis Mimics Spinal Intramedullary Tumor. *Neurology* 2021; 2021 May-Jun;24(3):436-439. doi: 10.4103/aian.AIAN_424_20. Epub 2021 Jan 8.
41. **Ganaraja VH**, Subasree R, Netravathi M. Familial NMO- Sjogrens Syndrome –Rare Case Report- *Neurology India.* 2022 May-Jun;70(3):1191-1193. doi: 10.4103/0028-3886.349584.
42. Ganaraja VH, Kamble N, **Netravathi M**, Holla VV, Koti N, Pal PK. Stereotypy with Parkinsonism as a Rare Sequelae of Dengue Encephalitis: A Case Report and Literature Review. *Tremor and Other Hyperkinetic Movements.* 2021; 11(1): 22, pp. 1–7. DOI: <https://doi.org/10.5334/tohm.630>
43. Approaches to Understanding COVID-19 and its Neurological Associations. Ettore Beghi, Benedict D. Michael, Tom Solomon, Erica Westenberg, Andrea S. Winkler, on behalf of the Global COVID-19 Neuro Research Coalition (**Netravathi M**). *Annals of Neurology.* First published: 09 April 2021 <https://doi.org/10.1002/ana.26076>
44. The Spectrum of Movement Disorders in Cases with Osmotic Demyelination Syndrome. DM Sindhu, Vikram V. Holla, Shweta Prasad, Nitish Kamble, **Netravathi M**, Ravi Yadav, Pal PK.

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46. A WHO resolution on epilepsy and other neurological disorders. Andrea Sylvia Winkler, Matilde Leonardi, Benedict Daniel Michael, Foad Abd-Allah, William Carroll, Alla Guekht, and the Global COVID-19 Neuro Research Coalition†(**Netravathi M**). Lancet Neurology VOLUME 20, ISSUE 3, P171-172, MARCH 01, 2021; DOI:[https://doi.org/10.1016/S1474-4422\(21\)00026-0](https://doi.org/10.1016/S1474-4422(21)00026-0).
47. A Rare Case of Wobbly, Psychotic Patient with Frozen Eyes - Anti-AMPA Receptor Encephalitis. Ashok VR, Nagabushana D, Yashwanth G, Mahadevan A, **Netravathi M**. Neurol India. 2021 Jan-Feb;69(1):149-152. doi: 10.4103/0028-3886.310087.
48. Clinical and imaging profile of patients with palatal tremor. Bharath Kumar Suriseti MD, DM Shweta Prasad MBBS Vikram V. Holla MD, DM Koti Neeraja MD, DM Nitish Kamble MD, DM **Manjunath Netravathi** DM Ravi Yadav MD, DM Pramod Kumar Pal MD, DNB, DM, FRCP ... Movement Disorders Clinical Practice 2021; First published: 18 February 2021 [.https://doi.org/10.1002/mdc3.13173](https://doi.org/10.1002/mdc3.13173)
49. Bhat M, Netravathi M, Kumari R, Faruq M, Pal PK, Prasad C, et al. Cribriform Appearance of White Matter in Canavan Disease Associated with Novel Mutations of ASPA Gene. J Pediatr Genet 2021; DOI <https://doi.org/10.1055/s-0041-1725118>.
50. N. Devavrat, K. Karthik1, J. Shumyla1, K. Neeraja, M. Netravathi, Recurrent Posterior Circulation Stroke as An Initial Manifestation of Atlantoaxial Dislocation in a Child.
51. Myelin oligodendrocyte glycoprotein-antibody-associated disorder: a new inflammatory CNS demyelinating disorder. **Netravathi M**, Holla VV, Nalini A, Yadav R, Vengalil S, Oommen AT, Reshma SS, Kamble N, Thomas PT, Maya B, Pal PK, Mahadevan A. J Neurol. 2020 Nov 13. doi: 10.1007/s00415-020-10300-z. Online ahead of print.
52. Long term cognitive outcome in tuberculosis meningitis. Ganaraja VH, Jamuna R1, Nagarathna C2, Saini J3, **Netravathi M**. Neurology: Clinical Practice 2020; Publish Ahead of Print. DOI: 10.1212/CPJ.0000000000000950
53. Pediatric Functional Movement Disorders: Experience from a tertiary care centre. Rakesh K, Kamble N, Yadav R, Bhattacharya A, Holla VV, **Netravathi M**, Seshadri S, Pal PK. Can J Neurol Sci. 2020 Sep 28:1-20. doi: 10.1017/cjn.2020.213.
54. Integration of Teleneurology within the Health System to Manage Patients of Multiple Sclerosis and Other CNS Demyelinating Disorders During COVID-19 Pandemic. Priya Treesa Thomas,

- Harikrishna Annam¹, Ravindu¹, Manjusha G. Warriar, **Netravathi M**. Annals of Indian academy of neurology 2020; DOI: 10.4103/aian.AIAN_457_20
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58. Rohit Bhatia, M. V. Padma Srivastava, Dheeraj Khurana, Lekha Pandit, Thomas Mathew, Salil Gupta, **Netravathi M**, Sruthi S. Nair, Gagandeep Singh, Bhim S. Singhal. Consensus Statement On Immune Modulation in Multiple Sclerosis and Related Disorders During the COVID-19 Pandemic: Expert Group on Behalf of the Indian Academy of Neurology. AIAN 2020; 23(Suppl 1):S5-S14. doi: 10.4103/0972-2327.282442.
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DETAILS OF PROJECTS

No.	Title of Project	Funding Agency	My role	Duration of Project	Total Grant	Outcome
1	COVID-19 Neurological Disease: A Prospective Study in Brazil, India and Malawi	DHSC/UKRI	Co-PI	18 months	93,86,939.05	Ongoing
2	NIHR Global health research group on Brain Infections	NIH	Co-Investigator	5 years	54 crore	Ongoing
3	Efficacy of Integrative Yoga Based Lifestyle Therapies in the Management of Multiple Sclerosis	DST - Satyam	PI	3 years	10,46,000	Ongoing
4	Development of a Neuro-palliative and Supportive care model for patients with chronic neurological conditions in NIMHANS	CIPLA foundation	Co-I	3 years	91,79,700	Ongoing
5	National MS registry	ICMR	PI	5years	3,46,79000	Ongoing
6	NIHR Global health research group on Brain Infections – NEPSYCon substudy	NIH	PI	6months	Part of 2 nd project	Completed
7	Biomarker Discovery in Seronegative NMO	ICMR	Co-Investigator	3 years	19,83,091	Ongoing
8	A Phase 3, randomized, double-blind, efficacy and safety study comparing SAR442168 to placebo in participants with nonrelapsing secondary progressive multiple sclerosis (HERCULES)	Sanofi-Synthelabo (India) Private Limited	PI	4 years		IEC accepted, study to be commenced
9	SAR442168 - EFC16034 - A Phase 3, randomized, double-blind efficacy and safety study comparing SAR442168 to teriflunomide (Aubagio®) in participants with relapsing forms of multiple sclerosis. GEMINI 2	Sanofi-Synthelabo (India) Private Limited	PI	3 years		IEC accepted, study to be commenced

Dr. Netravathi M, MBBS, DM (Neurology)

10	SAR442168 - EFC16035 - A Phase 3, randomized, double-blind, efficacy and safety study comparing SAR442168 to placebo in participants with primary progressive multiple sclerosis. PERSEUS	Sanofi-Synthelabo (India) Private Limited	PI	4 years		IEC accepted, study to be commenced
11	Development and feasibility of integrated yoga therapy module for patients suffering with Multiple sclerosis – A pilot study	CCRYN - Central Council for Research in Yoga and Naturopathy, New Delhi.	PI	1 year	21,12,000	Completed
12	A Comparative study comparing Intensified treatment with Moxifloxacin/Pyrazinamide vs standard Anti-tubercular therapy for CNS tuberculoma	DST	Co-Principal Investigator	3 years	50 lakhs	Completed
13	Next generation sequencing to investigate mitochondrial mutation spectrum in movement disorders	SERB	Co-Principal Investigator	3 years	44,95,800	Ongoing
14	ATTeST study – Clinical trial on Ataxia telangiectasia	EryDel	Sub-Investigator	3 years		Completed
15	Establishment of a low-cost, high-throughput, mass spectrometry-based test for blood spots newborn screening of X-adrenoleukodystrophy and other peroxisomal disorders using dried blood spots	DBT	Co-Principal Investigator	3 years	40 lakhs	Completed
16	Molecular characterization of X-linked adrenoleukodystrophy: Unravelling the role of modifier genes	DBT	Co-Principal Investigator	3 years	73,25,040	Completed
17	Neurobrucellosis- Microbiological and Clinical Evaluation.	ICMR	Co-Investigator	1.5 years	14 lakhs Rs	Completed
18	Neuroleptospirosis-Study of Microbiological and Clinical aspects	ICMR	Co-Investigator	2 years	27 lakhs Rs	Completed

19	Assessment of Brain Plasticity Induced by Repeated Trans Cranial Magnetic Stimulation in Patient with Movement Disorder Using Resting Brain Networks and Connectivity	DST	Co-Investigator	3 years	125 lakhs Rs	Completed
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THESES GUIDE:

GUIDE: DM NEUROLOGY:

1. Delayed perilesional contrast enhancement on MRI in differentiating ring enhancing lesions- Differences between Tuberculoma and Neurocysticercosis: Dr Somalwar Kaustubh Ashutosh (DM Neurology) – Ongoing from 2021.
2. Study of Cognition, Radiological and Cortical Excitability Changes in Patients with NMOSD: Dr Reshma SS (DM Neurology) – Submitted in 2019
3. ‘Study of Sleep Abnormalities in Patients with NMO-MOG related disorders’ – Dr Abel Thomas Oomen – DM Neurology – Submitted in 2020
4. Effect of Disease Modifying drugs on MRI Measures in patients with Multiple Sclerosis – Dr Swayang SP – DM Neurology – Submitted in 2021
5. Study of Clinical, Electrophysiological, Cognitive outcomes and Long term Prognosis of patients with Autoimmune Encephalitis” – Dr Shreyashi Jha – DM Neurology -Completed in 2021
6. Prospective evaluation of Visual Pathway for Early Detection of Ethambutol-induced Optic Neuropathy – Dr Rizwan Mohammad - Ongoing

CO-GUIDE:

1. DM Neurology:
 - a. Correlates of motor disability and fatigue with alterations of cortical excitability and grey and white matter changes in multiple sclerosis and neuromyelitis optica: Dr Sreevidya (DM Neurology) – Submitted in 2016.
 - b. Clinical, genetic, imaging and neuropsychological profile of early onset non-dominant progressive cerebellar ataxias – Dr Rashmi D (DM Neurology) – 2018
 - c. Treatment outcome of Brain Tuberculoma as assessed by serial Magnetization Transfer Imaging – Dr A.Mounika – Ongoing
 - d. CVT in HIV seropositive individuals – A Clinica, hematological and Radiological correlation – Dr Jayachandran R – 2013
 - e. Evaluation Of The Cortical Excitability Changes In Patients With Genetically Proven Huntington’s Disease: Correlation With Clinical, Genetic, Neuropsychological And Imaging Parameters – Dr Nitish Kamble – 2015
 - f. Cognition and its imaging Correlation in patients with Multiple System Atrophy (MSA) – Dr Santosh Kumar Dash – 2015
 - g. Comparison of clinical profile, cognitive profileCognition and advanced MRI imaging between patients with Parkinson s disease psychosis and Dementia with Lewy Body Disease – Vinaykumar MAstannavar – 2014

Dr. Netravathi M, MBBS, DM (Neurology)

- o IRIS in HIV – DM Neurology theses – Dr Mehul-2009-2011
- o CVT in HIV - DM Neurology theses – Dr Jayachandra – 2010-2012
- 2. Mphil In Psychiatric Social work:
 - a. Psychosocial correlates and quality of life among Women living with multiple sclerosis: Cicil R Vasanthra – Mphil In Psychiatric Social work – Submitted in 2019.
- 3. Neuroimaging & Interventional Neuroradiology
 - a. Comparative study of Single shot Echo planar DWI vs Readout segmented DWI vs Reduced field of view DWI in cases of optic neuritis– A prospective study – Dr Guddanti V Naga Pradeep – Ongoing
 - b. Comparative analysis of 3D DIR and 3D Flair in cases of acute Optic neuritis: Dr Vivek Murumkar - DM in Neuroimaging & Interventional Neuroradiology – Submitted in 2020.
 - c. Evaluation of T1W Dynamic contrast enhanced MRI in Tubercular and cryptococcal meningitis – Dr Abha Verma – Completed in 2016.
 - d. Magnetic Resonance Imaging and Neuropsychological abnormalities in Survivors of Herpes Simplex Encephalitis – Dr Gorky Medhi - 2015
- 4. Neuropsychology:
 - a. Psychosocial correlates and quality of life among Women living with multiple sclerosis: Vinayaka Vittal - M.Phil degree in Clinical Psychology – Submitted in 2019.
- 5. MD Psychiatry:
 - a. Psychiatric Manifestations in Patients with Relapsing Remitting Multiple Sclerosis. Dr Parkruti – MD Psychiatry – Ongoing
- 6. DpM Psychiatry:
 - a. Study Of Neuropsychiatric Manifestations Of Syphilis - Dr Logesh K – Ongoing.
- 7. MPH:
 - a. Profile of Acute Encephalitis Syndrome cases in NIMHANS. – Dr Suma - Department of Epidemiology – 2020
- 8. Neuromicrobiology:
 - a. Antibody response to Cryptococcal Heat shock Protein 70 (hsp70) in patients with chronic meningitis. Mphil dissertation –Chethna

PH D

1. Clinical spectrum and immunobiology of Neuromyelitis optica - Dr. Hari Krishna Bollampalli – Dpet. Of Neurology – Completed - 2019
2. Social Determinants of Care for Persons with Brain Infections. - Vasundharaa S Nair, PhD Scholar, UGC-SRF, Department of Psychiatric Social Work. - Ongoing
3. Whole Genome Sequencing for Mycobacterium Tuberculosis in Cerebrospinal Fluid in Central Nervous System Tuberculosis – Mainak Bardhan, Indian Council of Medical Research(ICMR) Nurturing Clinical Scientist fellowship - Department of Neurology – Ongoing
4. Mass spectrometry-based targeted metabolomics for the diagnosis of X-linked adrenoleukodystrophy - Archana Natarajan - Department of Neurochemistry – 2021
5. Infectomic approach to the immunopathogenesis of CNS Cryptococcosis at cellular and molecular levels – an in vitro study. - Priya Krishnan - Dept. of Neuromicrobiology – Ongoing
6. Cellular immune profiles as a surrogate for early diagnosis of Tuberculous meningitis and a study on Neuropathogenesis of Mycobacterium tuberculosis - Priyanka Wakode - Dept. of Neuromicrobiology – Ongoing
7. Brucellosis and Neurobrucellosis- Characterisation of Brucella antigens, diagnostic potential and immune response study - PRATIMA KUMARI - Department of Neuromicrobiology – Ongoing
 - a. Microbiological and clinical evaluation of Neuroleptospirosis and differential gene expression study - Sayani Maji - Department of Neuromicrobiology – Ongoing

- b. Analytical study of clinical and environmental isolates of *Cryptococcus neoformans* complex - Shayanki Lahiri Mukhopadhyay - Dept. of Neuromicrobiology – 2018
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LECTURES:

1. Immune Mediated Optic Neuropathies – Nov 2022 at IANCON 2022 Delhi
2. Management of MS -recent Advances - Nov 2022 at IANCON 2022 Delhi
3. NMOSD Oration – MERT – 10th October 2022
4. SSPE – Unravelling of the Diagnostic dilemma – NEUROID Course – Brazil – Recife – Oct 2022
5. Role of Plasmapheresis in Neurological Disorders - CME “Therapeutic Apheresis: Current practices and Advancement” July 15, 2022 – NIMHANS
6. Autoimmune Encephalitis – Long-term management – 11-06-2022 – KNACON Mysore
7. Early Identification & Management of HAMS – Webinar May 2022 – Ahmedabad Neuro Update
8. Immune mediated MD – MDSICON 14-05-2022 – Mumbai
9. Fatigue in MS – 23-04-2022 – at IFNRCON 2022 Webinar
10. Clinical & Radiological presentations in Encephalitis – Kolar – 10-04-2022 – Educative session at Kolar Govt Hospital
11. Approach to Encephalitis – at IGICH – 05-04-2022 – Educative session at IGICH hospital
12. Approach to Demyelination – 27-11-2021 at Tamilandu Neuro Update
13. Recent updates in Autoimmune encephalitis – Nov 2021 – IANCON, Bangalore
14. Anti-CD20 therapies – Sep 2021 (Webinar)
15. Experience & Real World experience with HAMS: 04-07-2021; Bangalore; Webinar; Eisai
16. Covid Vaccination in patients of MS: 25th April 2021; Webinar; Eisai
17. Chairperson in WEBINAR -The Global Health Network & Liverpool Brain infections: Immunomodulation in pts during COVID – May 2021
18. NMO VS MOG; APNSA (Andhrapradesh Neuroscientists association) Dec 2020- Online
19. NMO, MOG Neuro-Update – BNET Dec 2020
20. DMAs in Multiple Sclerosis; Ahmedabad NeuroUpdate – Dec 2020
21. WEBINAR: NMOSD update – Vintage class of Neurology – June 2020
22. WEBINAR: Monoclonal antibodies in Neurological disorders – Vintage class of Neurology – June 2020
23. WEBINAR -The Global Health Network & Liverpool Brain infections: Immunomodulation in pts during COVID – June 2020

24. WEBINAR: Immunomodulators during COVID – National MS Registry – May 2020 – IAN wenseries
25. WEBINAR: Aggressive MS – May 2020 – Sanofi – PG Update
26. NMO, MOG disorders – WINNERS – March 2020; Bhubaneshwar, Odisha
27. NMO, MOG disorders in CHildren – AOCN – Feb 2020; Bangalore
28. Indian perspectives on Demyelinating diseases; South MS meet – Nov 2019
29. Understanding encephalitis and its clinical aspects; Encephalitis day – Feb 2020; NIMHANS
30. An interesting case from NIMHANS – SSPE – Malawi Neuroupdate; Jan 2020
31. Monoclonal antibodies – KNAICON – Jan 2020; Belgaum, Karnataka
32. Experience sharing of Alemtuzumab – Lemtrada Masterclass-Lugano-Dec 2020
33. Sinus bradycardia after Alemtuzumab – Nov 2019 -Bangalore – MS Symposium
34. MS Introduction – JSS hospital
35. Talk on – Highly active MS – therapy in Oct 2019 at SGPGI, Lucknow
36. Talk on Usage of Tecfidera in MS at ECTRIMS 2019 – PreConference Workshop. – September 2019.
37. Attended “Womanthan 2019” at Hyderabad and delivered a talk on Compliance, efficacy and Adherence of DMAs in MS on 23rd March 2019
38. MS Dialogues: Real-world considerations for High-efficacy DMTs in MS- 26-7-2019; Bangalore – Chairperson and Convener
39. Interesting case From NIMHANS-SSPE: Malawi-Jan 2020
40. Virology department – talk on “ Autoimmune encephalitis” for Microbiology residents on 23rd Sep 2019
41. Bangalore MS Summit- 2018 at Hotel Shangrila, 25th Nov 2018. Delivered a Talk on Pregnancy in Multiple sclerosis.
42. Attended KNAICON 2019 at Davangere and delivered a talk on “Immune-mediated Myelitis on 13th Jan 2019
43. Conducted India MS day Celebration at NIMHANS along with MSSI.
44. Attended MDSICON 2019 at New Delhi and delivered a talk on “ Pediatric MD”
45. Delivered a talk on “How to distinguish Primary Demyelination in Rheumatological conditions” at Mumbai, Hinduja hospital. The CME – Rendezvous with experts allies . – Oct 2018
46. NIMHANS ARPrAN- 2018 (6th to 8th July 2018)– Participated as organizing secretary and also delivered a talk on “NMO – Clinical features & Management”
47. ICTRIMS – 2018 (13th to 15th July 2018)– Delivered a talk on “MS mimics”
48. ICTRIMS – 2018 (13th to 15th July 2018)- presented a poster on “NMO-Sjogrens syndrome overlap” – Dr Ganaraj, Dr Netravathi M

49. BNET conference 22nd to 24th June 2018 – Faculty as well as presented a talk on “ fertility and Pregnancy in MS/NMO
50. 3rd place in eposter presentation at BNET – Dr ganaraj, Dr Netravathi M on “Rare case report of Familial NMO with Sjogrens syndrome”
51. MD of Vascular origin – 2nd MDSICON 2017, Jan Bangalore.
52. Spectrum of Autoimmune neurological disorders – Bangalore Update 2016 Nov
53. Childhood autoimmune movement disorders – PEDICON – MDSICON 2016
54. Wilsons disease treatment – IANCON 2015
55. Autoimmune Movement disorders – IANCON 2015
56. “PRES- Posterior revversible encephalopathy Syndrome – Management”: BSOG April 2014, at Vani Vilas Hospital, Bangalore
57. Lumbar puncture – Procedure. In: 3rd IAN PG Summercourse in Neurology April 2014 at NIMHANS, Bangalore
58. “Clinical perspective of dural venous sinus”: 16th Annual conference of Indian society of neuroradiology 2013 (ISNR2013)
59. Lecture: “References and Citations” : Research Methodology 2013, NIMHANS, Bangalore
60. Lecture: “How to Read a Journal Article” Research Methodology, 2012, Bangalore
61. Lecture: “Secondary Movement Disorders” – 2nd Teaching Course in Movement Disorders, 2012, Goa.
62. Lecture : “Techniques in Muscle, Skin & Nerve Biopsy”, Summer course in Neurology 2011, Bangalore
63. Lecture on “Common Neurological Disorders”: Brain BEE 2011, Bangalore
64. Lecture: “How to Read a Journal Article” Research Methodology, 2011, Bangalore
65. Multiple Sclerosis: Introduction, Clinical features, Management; MSSSI 2011
66. Multiple Sclerosis: Introduction & Evaluation; MSSSI 2010
67. Lecture: “Common Pediatric Movement Disorders” : Mysore, 2010
68. Dementia: Approach & Recognition: OBG Conference 2009

PRESENTATIONS:

- **International:**

- 1) “A Clinical, Imaging and Electrophysiological characterization of Post-Trauma Movement Disorders”; AOCN 2014, Macao, China

• **National:**

1. Clinical, Radiological and Electrophysiological correlations in secondary movement disorders secondary to space-occupying lesions and trauma; Annual conference of Indian Academy of Neurology; IANCON 2008, New Delhi.
2. 2) Rate of disease progression in spinocerebellar ataxias correlates with the size of CAG repeat lengths; Annual Conference of Indian Academy of neurology; IANCON 2006, Bangalore
3. 3) Morvans syndrome –Netravathi M, Nalini A, Prtish K, AOCCN 2017

Co-author in the following papers presented:

1. Brain Volumetric Changes And Its Association With Cognitive Outcome In Tuberculosis Meningitis Patients – A Longitudinal Study – Ganaraja VH, Sainy J, Jamuna R, Nagaratna C, **Netravathi M** – WFN 2021 (accepted, will be presented)
2. Neuropsychological profile in grade 1 Tubercular meningitis - Ganaraja V H, J Saini1, Nagarathna S2, Jamuna R3, **Netravathi M** – ARPrAN 2019 – Secured 1st prize
3. Spectrum Of Pediatric Dystonia In A Tertiary Care Centre From South India - Ganaraja V H, Nitish LK, Pal PK, **Netravathi M** - MDSICON 2018 - Secured 2nd prize
4. Clinical, Imaging profile and Therapeutic outcome in NMO- Sjogrens overlap syndrome - Ganaraj VH, Reshma SS, Bhat M, Mahadevan A, **Netravathi M** – ECTRIMS 2018, Kochi
5. Familial Neuromyelitis Optica associated with Sjogren’s syndrome-Rare Case report- 2018 – BNET - Ganaraja V H, Subasree R, **Netravathi M** Secured 2nd prize
6. Clinical and radiological profile of disseminated neurocysticercosis Ganaraja V H, Nalini A, Saishchandra P, Pal PK, **Netravathi M** - IANCON 2018-Raipur.
7. A Rare Case Report Of Japanese Encephalitis Induced Anti Nmdar Encephalitis. Poster Presentation - Dr.Reshma Sultana Shaik, **Netravathi M**, Anita M, Pal PK. – MDSICON 2017
8. Clinical and Radiological Profile of Mog-Antibody Related Illness - Reshma S Shaik, Ganaraja V H, Nishtha Yadav, Anita M, Maya B, Nalini A, **Netravathi M** – BNET 2018
9. Spectrum Of Movement Disorders In Patients With Autoimmune Neuronal Antibodies - Platform Presentation - Reshma S Shaik, Nitish LK, Mahadevan A, Yadav R, Pal PK, **Netravathi M** – MDSICON 2018 – Secured 1st Prize
10. Spectrum Of Movement Disorders In Patients With Autoimmune Neuronal Antibodies - Reshma S Shaik, **Netravathi M**, Nitish LK, Mani RS1, Shah P 1, Damodar T 1, Anita M2, Pal PK – Jan 2018 – Secured 1st prize
11. Clinical and Radiological Profile of patients with NMOSD with a comparison between AQP4 positive/MOG Ab positive/Seronegative groups. Reshma Sultana Shaik, Maya D Bhat, Anitha M, **Netravathi M** – IANCON 2019 – Secured 1st Prize

12. A Rare Case Report Of Japanese Encephalitis Induced Anti-“Nmdar” Encephalitis - Reshma S Shaik, **Netravathi M**, Nitish LK, Mani RS , Shah P , Damodar T , Anita M, Pal PK – MDSICON 2018
13. Acute Flaccid Paralysis – A Diagnostic Dilemma - Abel Thomas Oommen, **Netravathi M** – Liverpool Neuroinfection ID Course – 2019
14. A Rare Cause of Rapidly Progressive Dementia – Biotin-Thiamine Responsive Basal ganglia disease. – Abel Thomas Oommen, **Netravathi M** – ARPrAN 2019
15. Study of Sleep Abnormalities in patients with Neuromyelitis Optica Spectrum Disorder – AQP-4 and Anti-MOG related associated disorders - Abel Thomas Oommen, Ravi Yadav, **Netravathi M** – MS Virtual 2020
16. Sleep Abnormality in NMOSD-MOG related disorders - Abel Thomas Oommen, **Netravathi M** – MS Summit 2019
17. A case series of GM1 Gangliosidosis – a rare cause of neuroregression - **Netravathi M**, S S Panda – WINNERS 2020
18. Clinical & Electrophysiological Profile In 10 Patients Of Morvan’s Syndrome - Swayang SPPanda SS, Anita M1, Nalini A, **Netravathi M** – IANCON 2019
19. Familial Hyperhomocystenimiamia - **Netravathi M**, Nalini A, S S Panda - ARPrAN 2019
20. Rare Familial Cause of Cognitive Dysfunction – MTHFR deficiency with Hyperhomocystenimiamia - S S Panda, Christopher R, **Netravathi M** – ARPrAN 2019
21. Autoimmune Encephalitis: Pattern of FDG-PET Abnormalities and Correlation with Autoantibodies - Jha S, Mundlamuri RC, Chandana N, Alladi S, **Netravathi M** – AOCN 2021
22. Co-existence of Multiple sclerosis and autoimmune encephalitis: A case series - Shreyashi Jha, **Netravathi M** – MS Summit 2018
23. Prominent Neuropsychiatric complaints in MS –New Entity of Overlap syndrome of Multiple Sclerosis and Autoimmune Encephalitis -Shreyashi Jha, **Netravathi M**
24. Meningitis: A Pandora’s Box - Association of Physicians of India (Bangalore Monthly Meeting) - Shreyashi Jha, **Netravathi M** - 2019
25. BARRIERS and FACILITATORS in seeking care for Persons with Acute Brain Infections - Ms. Vasundharaa S Nair, Priya Treesa Thomas, **Netravathi M** – Encephalitis conference 2020
26. Presence of “Suicidal Ideation” among “Persons with Multiple Sclerosis” - Ms. Vasundharaa S Nair, Priya Treesa Thomas, **Netravathi M** – Secured 1st Prize
27. A structured approach to manage Suicide for Persons with Multiple Sclerosis: Need of the hour - Vasundharaa S Nair, Priya Treesa Thomas, **Netravathi M** – WHO 2020

28. Psychosocial Correlates and Quality of Life among Women Living with Multiple Sclerosis. - Cicil Vasanthra M. Phil; Priya Treesa Thomas PhD; **Netravathi M** - WCN 2019
29. Archana
30. Sinus bradycardia - A rare infusion associated reaction with alemtuzumab – Neeharika S R L, Dr. **Netravathi M**, MS Summit 2019
31. Episodic Ataxia: Is it always genetic? – Poster- Dr. Neeharika S R L, Dr. **Netravathi M**, Dr. Nitish Kamble, Dr. Vikram Holla, Dr. Srikanth Yadav Boini, Dr. Neeraja Reddy, Dr. Pramod Kumar Pal – MDS 2019
32. A Review Of Treatment-Emergent Psychiatric Side Effects In Patients With Multiple Sclerosis – Prakrithi SN, Geetha Desai, **Netravathi M**, Sundarnag G – TIPPS 2019
33. Neurocognition, Anxiety, Depression & Its Relation With Quality Of Life In Patients With Relapsing Remitting Multiple Sclerosis(Rrms) - Vinayaka Yadav, Shantala Hegde, **Netravathi M** MS Virtual 2020
34. Comparative analysis of 3D DIR (double inversion recovery) and 3D FLAIR (fluid attenuation inversion recovery sequence) in cases of acute optic neuritis. Dr. Vivek Murumkar ,Dr. Jitender Saini , Dr. Karthik K. , Dr. **Netravathi M.**, Dr. Rose Dawn Bharath – ISMRM 2020 - Poster
35. HIV wuth CVt – Jayachnadran R, P Satishchandra , **Netravathi M** – IANCON 2019
36. Decreased frequencies of MAIT cells, regulatory Tregs, Bregs and plasmacytoid dendritic cells in NMOSD in comparison to multiple sclerosis and healthy controls. Harikrishna B, Manjunatha CV, Anita M, **Netravathi M**, Ravi V, P Satishchandra- European Conference on Neuroinflammation - Basic and Clinical Concepts (ECN2019)
37. Spectrum of Late onset Neuromyelitis Optica (L-NMOSD) - Harikrishna B, Manjunatha CV, Anita M, **Netravathi M**, Ravi V, P Satishchandra-ICTRIMS 2017
38. MD of Infectious Origin – Ketan J, **Netravathi M**, Pal PK. – WCN 2013
39. Poster at the ACBICON 2017 conference held at Lucknow (4th to 6th December 2017) - Archana Natarajan, Dr. Rita Christopher, Dr. **Netravathi.M**, Dr. Maya Bhat. Topic: “Dried blood spot technology coupled with tandem mass spectrometry for the screening of X-linked Adrenoleukodystrophy”.
40. Oral presentation at the ACBICON 2018 conference held at Goa (25th to 27th October 2018) - Archana Natarajan, Dr. Rita Christopher, **Dr. Netravathi.M**, Dr. Maya Bhat. Topic: “Flow Injection Ionization Tandem mass spectrometry (FIA-MS/MS) for high throughput screening of X-linked Adrenoleukodystrophy using dried blood spots.”
41. Poster presentation: Acute Encephalitis Syndrome over 1 year at NIMHANS – Suma R, Pradeep BS, **Netravathi M**, Encephalitis Conference 2020.

THESIS (as part of completion of DM Neurology)

A Clinical, Radiological and Electrophysiological Evaluation of Secondary Movement Disorders

PROFESSIONAL AND SOCIETY MEMBERSHIPS

1. State AEFI member
2. National Clinical COvid Registry – Member
3. National COvid autopsy study – member
4. National MS registry - Member
5. Executive & Founding member - MDSI
6. Associate member of Indian Academy of Neurology since October 2004
7. Member of Bangalore Neurological Sciences since Jan 2009
8. Member of Karnataka Neuroscience academy (KAN)
9. Member of NSI – Neurological society of India

Reviewer: I am the reviewer of manuscripts for various national Journals: Neurology India, Annals of Indian Academy of Neurology, IJMR – Indian Journal of Medical research

CONTRIBUTION TO IAN:

I have been a Life member since Final year residency and have contributed in the IAN as follows:

1. Attended almost all IANCON; Initially presented posters, platform presentations and eventually the lectures
2. As part of IAN; Organised the following conferences:
 - a. 28th IANCON – Bangalore – Nov 2021 – Treasurer
 - b. 1st Postgraduate Summercourse in neurology – Organizing Committee member - 2013
 - c. 2nd Postgraduate Summercourse in neurology – Organizing Committee member – 2011
3. Part of the National MS task force for COVID guidelines during the COVID outbreak – Guidelines formulation in patients of MS on Disease modifying agents

CONFERENCES ORGANIZED

Sl No.	Name of the activity	International/National. Regional/ Departmental	Sponsored by	Dates conducted From To	Organizer/Co-Organizer/ Member of Organizing committee
1	28 th Annual Conference of IANCON	National	IAN, Dept of Neurology, NIMHANS	11 th to 14 th Nov 2021; Hybrid	Treasurer
2	TS Srinivasan – NIMHANS Knowledge conclave on Dementia	National	NIMHANS, NeuroKrish	12 th and 13 th Feb 2016	Organizing Committee
3	Encephalitis Day – 2020- along with other departments – Neurovirology, PSW, Epidemiology	National, International	Liverpool University	Feb 2020	Organizer
4	NIMHANS ARPrAN 2019	National	NIMHANS, Bangalore	16th to 18th August 2019	Organizing secretary for the conference Quiz Master
5	NIMHANS ARPrAN 2018	National	NIMHANS, Bangalore	2018	Secretary and demyelination convener
6	MDSICON 2018	National & International	MDSI	Jan 2018	Executive Member
7	MDSICON 2017	National & International	MDSI	Jan 2017	Treasurer
8	AOCCN 2017	National & International	AOCCN	2017	Executive member
9	2 nd Postgraduate Course in Neurology	National	IAN	2013	Organizing Committee member
10	1 st Postgraduate Course in Neurology	National	IAN	2011	Organizing Committee member
11	TCMD 2012	International	WFN-APRD	16-18 Nov 2012	Organizing Committee member

PUBLIC OUTREACH & OTHER ACTIVITIES:

1. World MS Day celebration on 30th May 2022 at NIMHANS. Patient activity program was planned in the morning (poster and multimedia competition, creative movement session followed by performances from patients, staff, and doctors). The Guest of Honour was Dr Kerstin Hellwig from Germany who maintains the Multiple Sclerosis Pregnancy Registry at Germany. Various IEC materials were released: Patient Information brochure, Fatigue in MS Brochure.
2. World MS Day celebration on 30th May 2022: An Academic session at ITC Windsor Hotel with an address on the importance of MS and World MS day by Director Prof Pratima Murthy and Dr Suvarna Alladi, Guest of honour, Dr Kerstin Hellig followed by guest lectures. The meeting was well attended by several practising senior neurologists with special interest in Multiple Sclerosis. The academic programme was well received and appreciated by the audience.
3. Conducted India MS day Celebration at NIMHANS along with MSSSI. On 02-02-2019. To Commemorate India MS Day NIMHANS with MSSSI Bengaluru Chapter conducted on February 2, 2019, an awareness bike rally was conducted. Around 80 Bikers consisting of Rotarians, Rotaractors of Presidency College, Volunteers, Committee Members of MSSSI and MS Persons. Mr. Purushothama Reddy, Senior Vice President – Finance and Head- CSR of Omega Healthcare Management Services Pvt.Ltd, flagged off the Rally. The Rally covered about 9.5 kms stretch & reached NIMHANS. It was a good Awareness among the public throughout the stretch.
4. World Brain Day on 23rd June 2022 - KaBHI – Cricket Match with Robin Uthappa – Reflections with Robin
5. World Brain Day MS Day on 3rd August 2021 - The highlight of the program was ‘Patient Voices’, where ‘MS Warriors’ spoke about their inspirational journey with the disorder. Dr. Tissa Wijeratne, Chair of World Federation of Neurology (WFN) Public Awareness & Advocacy Committee addressed the gathering and shed light on the various activities initiated by WFN
6. Womens Day – 30th March 2022 at NIMHANS along with various staff and faculty of NIMHANS organised various group activities, skits, plays, games and cultural activities
7. World Encephalitis Day 2021 – on 22nd February 2021. Theme: Light up a landmark red and Launch of Brain Infections Global Programme by the Honourable Minister for Health and Family Welfare, GOK, Dr. K. Sudhakar. During this day many PHCs and Hospitals were lighted in Red throughout the state of Karnataka.
8. At the Institute level – Involved in the Kaya Kalpa assessments in 2021
9. At the Institute level – Involved in the convocation of the Institute from 2019 onwards till date
10. At the Institute level – Involved in NABH from 2010-2017

Dr. Netravathi M, MBBS, DM (Neurology)

11. I have been actively engaged in administrative work of the Neurology Department. I was the academic programme coordinator for the students of DM course in Neurology in 2017-2019.
12. Academic program coordinator for DCNT students, Nursing students - 2017
13. I am also the Chairman for examination of DCNT examinations at NIMHANS.- 2017-2019
14. I am the Chairman for examination of DM Part II examinations at NIMHANS.- 2018-2020
15. Conducted India MS day Celebration at NIMHANS along with MSSI. On 02-02-2019.
16. Part of the Global COVID-19 Neuroresearch Coalition – Headed By Andrea Sylvia Winkler, Tom Solomon, et al.
17. Part of the State AEFI Committee on COVID vaccination assessment to undertake the physical assessment of the facilities and infrastructure of a hospital in Bengaluru, Karnataka for accreditation in Neurology specialty.
18. State COVID-19 Consortium
19. NBE Assessor – 2020
20. NBE theses – assessor - 2021
21. E Ethics Committee member _ Psychiatry from 2022 till date
22. Ethics – Committee member – Psychology 2018-2020
23. Ethics Committee member – Integrative medicine -2020 onwards till 2022
24. NABH core committee member – 2016-2019
25. Neurology department ethics Committee member – 2017-2019
26. Putforth the Recommendations for patients on MS – as part of the National MS registry.- 2020
27. Committee member, NIMHANS –Co-Investigator for National MS Registry.
28. I am the reviewer of manuscripts for various national Journals: Neurology India, Annals of Indian Academy of Neurology, IJMR – Indian Journal of Medical research, Cureus, Candian Journal of Neurology
29. Talk on “Importance of Promoting awareness for Multiple sclerosis” for World Brain day 2021 – listed in the World federation of Neurology website.
30. Talk on BBC Radio on : Neurological manifestations of COVID-19 and the trend of clinical manifestations in India. Along with Professor David Heyman from LSHTM, David L. Heymann is an American infectious disease epidemiologist and public health expert, based in London. Professor Soo Alleman Karolinska Institute and Dr David Collier from Barts Hospital - The presenter was Claudia Hammond who also presents Health Check on the World Service.