

CURRICULAM VITAE-

Name: TRIPATHI MANJARI

Designation: Professor



Department of Neurology, All India Institute of Medical Sciences (AIIMS Delhi),

Incharge Center of Excellence for Epilepsy and MEG (collaborative center between NBRC & AIIMS), UNIT HEAD

Fellow National Science Academy- NASI.

FRCP (Edinburg)

Fellow NIH- Epilepsy -UCLA,

Fellow American Academy of Sleep Medicine,

Fellow Indian Sleep disorders Association,

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Registration No: O11115 dated 26/08/1991 Orissa Medical council

2462 18/12/02 Medical Council of India

Faculty Department of Neurology at AIIMS, New Delhi since 1998 .

PAPERS WITH HUGE IMPACT

1. Dwivedi R, Ramanujam B, Chandra PS, Savita Sapra S, Sheffali Gulati S, Kalaivani M, Garg A, Bal CS, Tripathi M, Dwivedi SN, Sagar R, Sarkar C, & Tripathi M (corresponding author). **Surgery for Drug-Resistant Epilepsy in Children.** *NEngl J Med* 2017; 377:1639-1647. (Impact factor 73)
 - a. Quoted among the top 10 neurology breakthroughs for 2017
 - b. Only paper from India to be published in India with all Indian authors
 - c. Widely quoted in medical media, among 97 percentile of all read NEJM articles
 - d. Media quotes (only few quoted here, several printed worldwide as can be searched on google with keywords "drug resistant epilepsy, children, nejm" in news)
 - i. <https://thewire.in/209631/neurology-india-medicine/> "The last but not the least of the major advancements in child neurology for the year came in the form of a research paper published by doctors at the All India Institute of Medical Sciences in October, again in the New England Journal of Medicine. The paper described results of a

trial that assessed efficacy of surgery and medical treatment versus medical treatment alone in children 18 years and younger with drug-resistant epilepsy. The trial was funded by the **Indian Council of Medical Research**, and randomly enrolled 57 subjects in the surgical plus medical treatment arm and 59 children in the medical treatment only arm. The outcomes were assessed at 12 months and were found to be significantly superior for the group that received surgery in addition to appropriate medical treatment”.

- ii. <https://www.medicalnewsbulletin.com/brain-surgery-reduce-seizures-children/> “A recent report in the *British Medical Journal* highlights a new study carried out by researchers in India to determine the effectiveness of brain surgery on the rate of recurrent seizures in epileptic children and adolescents. Their results were published in the *New England Journal of Medicine*”.
 - iii. <http://www.neurologyadvisor.com/epilepsy/surgery-reduces-seizures-epilepsy/article/702985/>
 - iv. <https://www.medpagetoday.com/neurology/seizures/68797> “The study was supported by the the Indian Council of Medical Research, the Center of Excellence for Epilepsy and Magnetoencephalography, and the Department of Biotechnology, Government of India”.
2. McEvoy RD, Antic NA, Heeley E, Luo Y, Ou Q, Zhang X, Mediano O, Chen R, Drager LF, Liu Z, Chen G, Du B, McArdle N, Mukherjee S, Tripathi M, Billot L, Li Q, Lorenzi-Filho G, Barbe F, Redline S, Wang J, Arima H, Neal B, White DP, Grunstein RR, Zhong N, Anderson CS;CPAP for Prevention of Cardiovascular Events in Obstructive Sleep Apnea. SAVE Investigators and Coordinators. N Engl J Med. 2016 Sep 8;375(10):919-31.

OTHER PAPERS IN PUBLICATION LIST

Kommentar [a1]:

AWARDS AND HONORS

1. Gold medallist in MBBS: Anatomy, Physiology, Medicine .
2. AAPIOS (American association of sleep – Indian origin) best sleep researcher award 2019. San Antonio Texas, USA .
3. BMJ best paper award 2018.
4. AIIMS Best Research award 2018 & 2013.
5. Extraordinary contribution to Epilepsy an outstanding Achievement Epilepsy Award in 11th Asian and Oceania Epilepsy congress Hong Kong. ILAE & IBE 2016.
6. Awarded Anandi Bai Joshi award for Medicine in 2012.
7. Awarded the CHIEF OF THE ARMY STAFF AWARD for the best published article titled “Expression of CD34 as a novel marker for glioneuronal lesions associated with chronic intractable epilepsy”. In the field of pathology and Allied Sciences on the 07th of February, 2012 at Armed forces Medical College, Pune.
8. Faculty 1000 in epilepsy with the International league against epilepsy.
9. Faculty branding awards 2013 Certificate of Excellence by EET CRS Research wing for Excellence in Professional Education and Industry.
10. Awarded Fellow of Indian sleep disorders association April 2011.
11. MNAM - ORATION- Allahabad- on pre-surgical evaluation of Intractable Epilepsy. Sept, 2008.API oration 2017.
12. American Academy of Sleep Medicine (AASM), for International Fellowship May-July 2008

13. Chief author-Best paper in National Annual Epilepsy conference- Seizure clusters and where do they localize. ECON 2008.
14. Awarded, presented and spoke in the Penry Mini fellowship for epilepsy from March 11-17th, 2006 (Wake Forest University, Winston Salem, NC).
15. Awarded, course of the NIH Introduction to the principles and practice of clinical research. Oct 05th to Feb 21 06.
16. Awarded the prestigious National Institute of Health (NIH-USA) Fellowship "UCLA," 2005-06 in Epilepsy.
17. Travelling fellowship to attend Annual Multiple sclerosis meets, Toronto; March 04-MS Care.
18. Guest Lecture Grand Rounds-Montreal Neurological Institute; March 2004. 2019 & 2016 UCLA. Rush university 2014.
19. Awarded- Co-Principal Investigator-Center for Excellence (COE) for Difficult to Treat Epilepsy (being commissioned as a National Facility) Dept of Biotechnology, Ministry of Science and Technology.
20. Awarded- DBT Young Investigator award- for fMRI and EEG as an essential tool in the Non-invasive investigation of patients with epilepsy which is Intractable.
21. Presented and spoke in the 2nd International Course in from basics to rational prescribing in Epilepsy in San Servolo, Venice organized by EUROPA and ILAE. Awarded a scholarship for the same 2003.
22. Tripathi M, Bal CS, Tripathi M, Padma MV, Gupta S, Jain S. SPECT in Dementias experience from a cognitive disorders clinic in India. Neurology. Best paper presentation by the AINA (Association of Indian Neurologists of America) 54th annual American academy of neurology Denver 2002.
23. Awarded the foreign scholarship award by the American academy of Neurology 54th Conference, Denver USA.
24. Awarded scholarship for IBRO conference in Korea.
25. Best poster- AOEC- Post traumatic epilepsy- Malaysia- Todakaro Epilepsy award.
26. Awarded short term research scholarship under ICMR on the following topics: 1.) Comparison of glycosylated hemoglobin measurement and blood glucose level as a biochemical parameter for diabetics. 2) Diagnosis of Herpes lesion by smear examination (at MBBS level).
27. 31st IEC: Best poster presentation notification [A-705-0004-01442] "Comparison of the effect of valproate and levetiracetam monotherapy on subjective and objective sleep parameters in persons with epilepsy" awarded for a best poster presentation at the 31st International Epilepsy Congress (IEC) held in Istanbul from the 5th to the 9th September 2015. Tripathi M.
28. Tripathi M, Varshney S, Khan Y U, O Farooq, Sharma P. Latency Study of Non convulsive seizures. Best paper award in the technical session Analog signal processing at IMPACT 2013 held from 23rd to 25th Nov 2013. dept. of Electronics Engineering AMU Aligarh.
29. 3rd prize for outstanding faculty in Research, awarded on the Institute Day on the 25th of September, 2013, AIIMS, New Delhi.
30. Chief author- Autoimmune encephalitis awarded best poster in DNACon-2013.
31. Co and chief -Author in the awarded poster entitled "Triggering factors of seizures in people with epilepsy". 13th Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society ECON 2012".
32. Co-Author in the awarded poster entitled "Increased BDNF serum levels in Alzheimer's disease (AD) and Mild cognitive impairment (MCI) patients in north Indian population". Presented at the 2nd international Congress on Neurobiology, Psychopharmacology & treatment guidance. November 24th-27th 2011, Greece.

33. Joshi D, Tripathi M, Bhatia M, Gupta S. Cognitive evaluation in Myasthenia Gravis: A P 300 and neuropsychological evaluation. Abstract book. 5th annual conference DNA2/2/03.44.Best Poster.

Community Service and positions

1. Invited member and chief coordinator a proposal for a National epilepsy program by the Ministry of health which has now moved to the NHSRC and is to be rolled out.
2. President Epilepsy Support group EKATWAM, which provides free medicines (over 1000 pateints served till date) and free treatment for epilepsy surgery .
 - a. <https://mobile.facebook.com/Ekatwam-Epilepsy-Delhi-243645915696765/>
 - b. www.ekatwam.org
 - c. Read more about Ekatwam here
 - i. <https://www.hindustantimes.com/delhi/now-a-support-group-to-help-epileptic-people/story-wdOdUcVPI7cr9cY957tYTL.html>
 - ii. <https://www.newsgram.com/ngo-urges-government-to-frame-program-to-tackle-epilepsy/>
3. Started a rural outreach program (iREAP: Indian Rural Epilepsy Awareness Program) to be modeled as a pilot study to start a National Program for epilepsy which has completed 5 years of existence.
4. Developed GEMIND; Guidelines for Epilepsy Management in India (Indian Epilepsy Society) as a core founding member this are practice guidelines for physicians.
5. The ETP- Epilepsy teaching program with the mission of teaching and reducing education gap in epilepsy among PHC and GPs.
6. Volunteer network for families with dementia for support of caregivers by the ARDSI- Delhi. President ARDSI – Delhi chapter.
 - a. <https://alzheimersdelhi.org/delhi-chapter-today/>
7. Member of AIIMS Research committee
8. Journal of the Indian Academy of Geriatrics, Member of national Advisory Board-
9. Organized several “Epilepsy Rural Camps”, –UP, Bhilwara, Odisha- tribal Ganjam , (under iREAP)
10. Organized patient awareness day “Epilepsy Day”, 17th Nov-2009,at Jawaharlal Nehru auditorium,AIIMS,New Delhi and India Habitat center annually.
11. Editorial Board member for the book “Principle and practice of geriatric medicine” Edited by O P Sharma 2015.

RESEARCH EXPERIENCE

PRINCIPAL INVESTIGATOR

International University grants

1. An international pilot study of an internet based platform to run epilepsy trials. (EPINET) University of Auckland, New Zealand.- **Ongoing**
2. Radio-Surgery or Open surgery for Epilepsy Trial (ROSE) funded by NIH Completed.
3. “An International multi-centre, open parallel group, prospective, randomized, controlled trial to determine the effectiveness of treatment with continuous positive airways pressure (CPAP) in addition to standard care in reducing cardiovascular (CV) severe obstructive sleep apnea (OSA)” Principal Investigator/Save trial/ 5years.Monash University, Australia- **Ongoing**

4. Registered in **Global Audit of Treatment of Refractory Status Epilepticus**. UK-Italy Non Funded, Registry.Completed.
5. "Surgical treatment of intracerebral lobar Haemorrhage (STICH-II)" co-investigator in the ongoing INTERNATIONAL TRIAL on surgical treatment of intracerebral haematomas at AIIMS (completed- STICH-1, ongoing- STICH II). -**Completed**.
6. "International food trial for Stroke patients" on going at St John's Medical Hospital at Bangalore and AIIMS New Delhi, centre coordinator:-AIIMS. -**Completed**.

National University grants

1. Eloquent cortex mapping in chronic Intractable epilepsy using n TMS, Fmri and MEG; A comparative study. DST, **ongoing**.
2. Validation of a rapid diagnostic method for the detection of HLA allele and its association with cutaneous drug reactions in persons with epilepsy. DBT, **Ongoing**.
3. Association of associated antibodies in the serum of epilepsy patients. AIIMS, Intramural Project, **Ongoing**.
4. Association of cutaneous adverse drug reactions with HLA alleles in persons with epilepsy. DBT, **Ongoing**.
5. Development and validation of a comprehensive clinical and neuropsychological test battery for use in Indian context for patients with vascular cognitive impairment (VCI)- **ICMR, Ongoing**.
6. Correlation of Electrophysiological States and Hemodynamic changes during simultaneous EEG-fMRI in Intractable Epilepsy", Principal Investigator/ **DBT- Ongoing**
7. Cognitive Activation Studies of Language and Memory as a Preoperative Evaluation in Patients with Intractable Epilepsy-A Novel Non-invasive method of investigation conducted by **DST** at AIIMS -**Ongoing**.
8. To Assess whether saliva and serum free anti-epileptic drugs levels are equivalent", conducted at and funded by **ICMR** – completed march 2013.
9. Principal Investigator for "A prospective study in Indian women: how pregnancy and epilepsy interact to produce psychological and mental health morbidity"- WHO- **Completed**
10. "Randomized controlled clinical trial to evaluate prophylactic properties of Ayurvedic Treatment Protocol in refractory & chronic migraine patients" Ipca Laboratories Limited- **Completed**.

Principal Investigator

1. Center for Excellence (COE) for Difficult to Treat Epilepsy Dept. of Biotechnology (DBT), Ministry of Science and Technology. Ongoing
2. Yoga in Epilepsy – ongoing DST- SATYAM .
3. RCT in Insomnia – ICMR
4. ADAR- Multicenter Dementia registry& longitudinal study – DBT.

Co- Investigator

1. Co-investigator in the Project entitled "Study of Possibility of the Hypoxia Inducible Protein (Hi95) as potential protein marker for Alzheimers disease.

2. Co-investigator in the project entitled "Potential anti-oxidant effect of selected Ayurvedic herbs in Parkinson and Alzheimer's disease".
3. Co-investigator in the project entitled "Neurological outcome after aortic arch replacement surgeries without hypothermic circulatory arrest".
4. Co-Investigator in the project entitled "Role of candidate gene in vascular cognitive impairment, mild cognitive impairment and Alzheimer's disease: defining the common genetic markers and pharmacogenetics".
5. Co-investigator in the research project entitled "Role of candidate genes in vascular cognitive impairment, mild cognitive impairment and Alzheimer's disease: defining the common genetic markers and pharmacogenetics".
6. Co-Investigator in the project entitled "Design of specific peptide activator of Sirtuin as potential therapeutic target for mild cognitive impairment (MCI) and Alzheimer's disease (AD).
7. Co-Investigator in the project entitled "Determination of efficacy and safety of reflexology therapy for the patients with intractable epilepsy: a multicenter randomized clinical trial."
8. "Automatic detections of non-convulsive seizures in scalp recorded electroencephalogram (EEG)"/DBT- **Ongoing**
9. Effect of multitasking In progression of MCI to AD- CSI-DST- **Ongoing**.
10. Assessment of mutations in GABRG2 gene from microelectrocorticographically defined areas of hippocampus and amygdala in patients with MTLE with intractable epilepsy. DBT- **Ongoing**
11. "A study of quantitative EEG changes, cognitive functions and stress in mild cognitive impairment and Alzheimer's disease, conducted in AIIMS.-**Ongoing**
12. Genotype determination of *Acanthamoeba spp.* From amoebic keratitis and CNS infections and evaluation of PCR assay *vis a vis* conventional methods for rapid diagnosis.- **Ongoing**
13. A study of quantitative EEG changes, cognitive functions and stress in mild cognitive impairment and Alzheimer's disease, Department of Physiology-**Ongoing**
14. Rizatriptan in migraine- A double blind crossover double dummy trial - **Completed**
15. "Safety, tolerability and effectiveness evaluation of the ISS in the treatment of vascular dementia-A Pilot Study" conduct at AIIMS and funded by BRAIN GATES – **Completed**
16. "Treatment of severe intraventricular haemorrhage by intraventricular Urokinase: A pilot study" conducted at AIIMS.-**Completed**
17. "Program on functional genomics" (Dept of Biotechnology, Govt of India) conducted in AIIMS-**Completed**.
18. "Rivastigmine in vascular dementia: A Randomized controlled trial" this project being conducted in AIIMS. . - **Completed**
19. "Cognitive impairment and Alzheimer's disease", in CSI (Cognitive Science Research Initiative) Project. .-**Completed**
20. "Comparative trial of Ayurvedic and allopathic therapy for spasticity and paralysis: A Randomized controlled trial", Co- investigator for this project being conducted in AIIMS. .-**Completed**
21. "Surgical treatment of intracerebral Haemorrhage (STICH)" conduct at AIIMS.- **Completed**
22. "Effects of amyloid beta on the morphology and protein profile of the rat hippocampus", conducted at AIIMS. .-**Completed**
23. ICMR DEMENTIA-Comprehensive dementia assessment scale. -**Completed**
24. "Multiple sclerosis-Role of CYP2D6 and Glutathione S-transferase M1 (GSTM1) Polymorphism in Multiple sclerosis patients. conducted at AIIMS and funded by ICMR - **Completed**

25. "Determination of efficacy of reflexology in the adjunctive treatment of intractable seizures in children and genetic screening for GPR56 gene mutations in the subset with Lennox Gastaut syndrome."- **Completed.**
26. "Pharmacogenomics for Treatment of Dementia caused by Alzheimer's disease" DBT- **Completed.**
27. Pharmacogenomics in the treatment of responsiveness to cholinesterase inhibitors in Dementia. **Completed.**
28. Carried short-term research scholarship under ICMR on the following topics:
1.Comparison of glycosylated haemoglobin measurement and blood glucose level as a biochemical parameter for diabetes. 2) Diagnosis of Herpes lesion by smear examination (at MBBS level).-**Completed**
29. "Comprehensive etiological study in cerebro-vascular disease with special reference to Stroke in Young" - **Completed.**
30. "Effects of amyloid beta on the morphology and protein profile of the rat hippocampus", Department of Anatomy.- **Completed.**
31. "A Comparison of Autonomic functions before and after surgical intervention in patients with Temporal lobe Epilepsy", Department of physiology. -**Completed.**
32. Autologous Intra-arterial Infusion of Bone Marrow Mono Nuclear Cells for Static Encephalopathy with special reference to Cerebral Palsy. – Approved for DST funding- **Completed.**
33. Normobaric Oxygen Therapy for Acute Ischemic Stroke: A pilot study in Indian patients. – ICMR- **Completed.**
34. Minocycline in acute ischemic stroke – ICMR- **Completed.**
35. ENOS-MRC- **Completed.**
36. Stem cell therapy in Acute ischemic stroke – DBT. **Completed.**
37. G-CSF trial in acute ischemic stroke- **Completed.**

ARTICLES IN JOURNAL: (in chronological order)340 total indexed
<https://pubmed.ncbi.nlm.nih.gov/?term=manjari+tripathi>

https://scholar.google.es/citations?user=Eu_BzWkAAAAJ&hl=en

<u>Citations</u>	8565
<u>h-index</u>	42
<u>i10-index</u>	198

Research gate score: https://www.researchgate.net/profile/Manjari_Tripathi
47.53

Epilepsy Related

1. Kumar K, Yadav N, Banerjee J, Tripathi M, Sharma MC, Lalwani S, Siraj F, Chandra PS, Sengupta S, Dixit AB. Mass spectrometry-based lipidomic analysis reveals altered lipid profile in brain tissues resected from patients with focal cortical dysplasia (FCD). *Epilepsy Res.* 2021 Sep 22;177:106773. 2: Parihar J, Dash D, Aggarwal B, Kabra M, Rajan R, Vibha D, Singh RK, Bhatia R,
2. Weil AG, Lewis EC, Ibrahim GM, Kola O, Tseng CH, Zhou X, Lin KM, Cai LX, Liu QZ, Lin JL, Zhou WJ, Mathern GW, Smyth MD, O'Neill BR, Dudley R, Ragheb J, Bhatia S, Delev D, Ramantani G, Zentner J, Ojemann J, Wang AC, Dorfer C, Feucht M, Czech T, Bollo RJ, Issabekov G, Zhu H, Connolly M, Steinbok P, Zhang JG, Zhang K, Hidalgo ET, Weiner HL, Wong-Kissel L, Lapalme-Remis S, Tripathi M, Sarat Chandra P, Hader W, Wang FP, Yao Y, Olivier Champagne P, Guo Q, Li SC, Budke M, Pérez-Jiménez MA, Raftopoulos C, Finet P, Michel P, Schaller K, Stienen MN, Baro V, Cantillano Malone C, Pocięcha J, Chamorro N, Muro VL, von Lehe M, Vieker S, Oluigbo C, Gaillard WD, Al Khateeb M, Al Otaibi F, Krayenbühl N, Bolton J, Pearl PL, Fallah A. Hemispherectomy Outcome Prediction Scale: Development and validation of a seizure freedom prediction tool. *Epilepsia.* 2021 Mar 13.
3. Fallah A, Lewis E, Ibrahim GM, Kola O, Tseng CH, Harris WB, Chen JS, Lin KM, Cai LX, Liu QZ, Lin JL, Zhou WJ, Mathern GW, Smyth MD, O'Neill BR, Dudley RWR, Ragheb J, Bhatia S, Delev D, Ramantani G, Zentner J, Wang AC, Dorfer C, Feucht M, Czech T, Bollo RJ, Issabekov G, Zhu H, Connolly M, Steinbok P, Zhang JG, Zhang K, Hidalgo ET, Weiner HL, Wong-Kissel L, Lapalme-Remis S, Tripathi M, Sarat Chandra P, Hader W, Wang FP, Yao Y, Champagne PO, Brunette-Clément T, Guo Q, Li SC, Budke M, Pérez-Jiménez MA, Raftopoulos C, Finet P, Michel P, Schaller K, Stienen MN, Baro V, Cantillano Malone C, Pocięcha J, Chamorro N, Muro VL, von Lehe M, Vieker S, Oluigbo C, Gaillard WD, Al-Khateeb M, Al Otaibi F, Krayenbühl N, Bolton J, Pearl PL, Weil AG. Comparison of the real-world effectiveness of vertical versus lateral functional hemispherotomy techniques for pediatric drug-resistant epilepsy: A post hoc analysis of the HOPS study. *Epilepsia.* 2021 Sep
4. Doddamani RS, Chandra PS, Samala R, Ramanujan B, Tripathi M, Bal CS, Garg A, Gaikwad S, Tripathi M. Endoscopic Hemispherotomy for Nonatrophic Rasmussen's Encephalopathy. *Neurol India.* 2021 Jul-Aug;69(4):837-841.
5. Morris K, Nami M, Bolanos JF, Lobo MA, Sadri-Naini M, Fiallos J, Sanchez GE, Bustos T, Chintam N, Amaya M, Strand SE, Mayuku-Dore A, Sakibova I, Biso GMN, DeFilippis A, Bravo D, Tarhan N, Claussen C, Mercado A, Braun S, Yuge L, Okabe S, Taghizadeh-Hesary F, Kotliar K, Sadowsky C, Chandra PS, Tripathi M, Katsaros V, Mehling B, Noroozian M, Abbasioun K, Amirjamshidi A, Hosseini-Zadeh GA, Naraghi F, Barzegar M, Asadi-Pooya AA, Sahab-Negah S, Sadeghian S, Fahnestock M, Dilbaz N, Hussain N, Mari Z, Thatcher RW, Sipple D, Sidhu K, Chopra D, Costa F, Spina G, Berger T, Zelinsky D, Wheeler CJ, Ashford JW, Schulte R, Nezami MA, Kloor H, Filler A, Eliashiv DS, Sinha D, DeSalles AAF, Sadanand V, Suchkov S, Green K, Metin B, Hariri R, Cormier J, Yamamoto V, Kateb B. Neuroscience 20 (BRAIN20, SPINE20, and MENTAL20) Health Initiative: A Global Consortium Addressing the Human and Economic Burden of Brain, Spine, and Mental Disorders Through Neurotech Innovations and Policies. *J Alzheimers Dis.* 2021 Sep 3.
6. Srivastava A, Kumar K, Banerjee J, Tripathi M, Dubey V, Sharma D, Yadav N,

- Sharma MC, Lalwani S, Doddamani R, Chandra PS, Dixit AB. Transcriptomic profiling of high- and low-spiking regions reveals novel epileptogenic mechanisms in focal cortical dysplasia type II patients. *Mol Brain*. 2021 Jul 23;14(1):120.
7. Chandra PS, Doddamani R, Tripathi M. Gamma Knife for Giant Hypothalamic Hamartomas-Not the Only Effective Tool in the Kit. *Indian J Pediatr*. 2021 Sep .
 8. Agrawal M, Tripathi M, Samala R, Doddamani R, Ramanujan B, Chandra PS. Epilepsy surgery in COVID times-a unique conundrum. *Childs Nerv Syst*. 2021 Apr;10:1–6.
 9. Jain S, Potschka H, Chandra PP, Tripathi M, Vohora D. Management of COVID-19 in patients with seizures: Mechanisms of action of potential COVID-19 drug treatments and consideration for potential drug-drug interactions with anti-seizure medications. *Epilepsy Res*. 2021 Aug;174:106675
 10. Srivastava A, Kumar K, Banerjee J, Tripathi M, Dubey V, Sharma D, Yadav N, Sharma MC, Lalwani S, Doddamani R, Chandra PS, Dixit AB. Transcriptomic profiling of high- and low-spiking regions reveals novel epileptogenic mechanisms in focal cortical dysplasia type II patients. *Mol Brain*. 2021 Jul 23;14(1):120.
 11. Dey S, Doddamani RS, Banerjee J, Dixit A, Tripathi M, Sharma MC, Chandra PS, Banerjee J. Altered Spontaneous Glutamatergic and GABAergic Activity in the Peritumoral Cortex of Low-Grade Gliomas Presenting With History of Seizures. *Front Neurosci*. 2021 Jun 28;15:689769.
 12. Banerjee J, Srivastava A, Sharma D, Dey S, Tripathi M, Sharma MC, Sarat Chandra P, Banerjee J, Dixit A. Differential regulation of excitatory synaptic transmission in the hippocampus and anterior temporal lobe by cyclin dependentkinase 5 (Cdk5) in mesial temporal lobe epilepsy with hippocampal sclerosis(MTLE-HS). *Neurosci Lett*. 2021 Sep 14;761:136096.
 13. Sharma S, Nehra A, Tripathi M. Applicability of Compensatory Cognitive Training in Epilepsy to Low Resource and Literacy Settings: A Focused Review. *Neurol India*. 2021 May-Jun;69(3):717-723.
 14. Doddamani RS, Samala R, Subianto H, Ramanujam B, Tripathi M, Chandra PS. Robotic-Guided Stereoelectroencephalography for Refractory Epilepsy: Technique and Nuances. *Neurol India*. 2021 May-Jun;69(3):587-591.
 15. Kaur T, Diwakar A, Kirandeep, Mirpuri P, Tripathi M, Chandra PS, Gandhi TK. Artificial Intelligence in Epilepsy. *Neurol India*. 2021 May-Jun;69(3):560-566.
 16. Doddamani RS, Samala R, Chandra PS, Tripathi M. Letter to the Editor. Boltless stereoelectroencephalography: a necessity in very young children. *J NeurosurgPediatr*. 2021 Jun 18:1-2.
 17. Samala R, Doddamani R, Tripathi M, Chandra PS. Letter to the Editor. Is arterial spin labeling relevant in MRI-negative drug-refractory epilepsy? *J NeurosurgPediatr*. 2021 Jun 18:1.
 18. Tripathi M, Kaur K, Ramanujam B, Viswanathan V, Bharti K, Singh G, Singh V, Garg A, Bal CS, Tripathi M, Sharma MC, Pandey R, Dash D, Mandal P, Chandra PS. Diagnostic added value of interictal magnetic source imaging in presurgical evaluation of persons with epilepsy: A prospective blinded study. *Eur J Neurol*. 2021 Sep;28(9):2940-2951.
 19. Sharma D, Dixit AB, Dey S, Tripathi M, Doddamani R, Sharma MC, Lalwani S, Gurjar HK, Chandra PS, Banerjee J. Increased levels of $\alpha 4$ -containing GABA_A receptors in focal cortical dysplasia: A possible cause of benzodiazepine resistance. *Neurochem Int*. 2021 Sep;148:

20. Tripathi M, SreedharanThankarajan AR, Tripathi M, Garg A, Ramanujam B, Snigdha, Bal C. F-18 Fluorodeoxyglucose Positron Emission Tomography MetabolicPhenotype in Myelin Oligodendrocyte Glycoprotein Antibody-Positive AutoimmuneEpilepsy. *Indian J Nucl Med.* 2021 Jan-Mar;36(1):88-89.
21. Dey S, Banerjee Dixit A, Tripathi M, Doddamani RS, Sharma MC, Lalwani S, Chandra PS, Banerjee J. Altered hippocampal kynurenine pathway metabolismcontributes to hyperexcitability in human mesial temporal lobe epilepsy-hippocampal sclerosis. *Br J Pharmacol.* 2021 May 14.
22. Tripathi M, Parihar J. Shared Decision-Making in the Management of Women withEpilepsy. *Neurol India.* 2021 Mar-Apr;69(2):435-436.
23. Kaur KP, Garg A, Devaranjan Sebastian LJ, Bhatia R, Singh MB, Srivastava A, Tripathi M, Padma MV. Recurrent Neurocysticercosis:Not So Rare. *Neurol India.* 2021 Mar-Apr;69(2):385-391.
24. Tripathi M, Parihar J. Non-Convulsive Status Epilepticus in Critically IllPatients. *Neurol India.* 2021 Mar-Apr;69(2):360-361.
25. Agrawal M, Tripathi M, Samala R, Doddamani R, Ramanujan B, Chandra PS.Epilepsy surgery in COVID times-a unique conundrum. *Childs Nerv Syst.* 2021 Apr 10:1–6.
26. Chandra PS, Doddamani R, Girishan S, Samala R, Agrawal M, Garg A, Ramanujam B, Tripathi M, Bal C, Nehra A, Tripathi M. Robotic thermocoagulativehemispherotomy: concept, feasibility, outcomes, and safety of a new "bloodless" technique. *J NeurosurgPediatr.* 2021 Apr 2:1-12.
27. Kaur K, Garg A, Tripathi M, Chandra SP, Singh G, Viswanathan V, Bharti K, Singh V, Ramanujam B, Bal CS, Sharma MC, Pandey R, Vibha D, Singh RK, Mandal PK, Tripathi M. Comparative contribution of magnetoencephalography (MEG) and single- photon emission computed tomography (SPECT) in pre-operative localization for epilepsy surgery: A prospective blinded study. *Seizure.* 2021 Mar;86:181-188.
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18. **Tripathi M**. "Visual Loss in the Emergency Room" Book Manual of Medical Emergencies, 3rd edition. Edited by Dr. Ashok Grover, Dr. Vinay Aggarwal, Dr. Prakash Gera, Dr. Rajiv Gupta. 2008; 663-677.
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20. **Tripathi M**, Vibha D "Evidence Based Treatment of Dementia". Reviews in Neurology. Edited by Sudhesh Prabhakar, Arun B. Taly. 2008; 1-29.
21. **Tripathi M** "Sleep Disorders and epilepsy". Published-Souvenir, Third National Conference of INDIAN SOCIETY FOR SLEEP RESEARCH (ISSR). 2007; 30-35.
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23. **Tripathi M**. "CVT". Intracerebral Hematomas. Edited by Dr. AK Mohapatra. 2007; 73-82.
24. **Tripathi M**. "Primary brainstem hematoma". Intracerebral Hematomas. Edited by Dr. AK Mohapatra. 2007; 58-62.
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26. **Tripathi M**. "Channelopathies". CME Proceedings, Neurosciences update. 2005; 50-58.
27. **Tripathi M**, Jain S. "Controversies in the Management of Neurocysticercosis: Specific Pharmacotherapy may be ineffective?" Accepted in Journal of UP Neuroscientists association. 2004; 27-32.
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29. **Tripathi M**. "Acute confusional state-Delirium: in progress in neurosciences". CME Book. Edited by Col KK Singh. 2004; (11): 97-102.
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34. **Tripathi M**. "Recent Advances in the management of Tremor". Clinical medicine update. Vol. VI. Proceedings of the scientific sessions of IACMCON, New Delhi. 2003; 128-154.
35. **Tripathi M**. "Vascular dementia- Spectrum" in cerebrovascular disease." Advances in stroke. 2003; 67-77.
36. **Tripathi M**. "Dementia-Evaluation of patients in OPD". Edited by Dr. Kalyan Bagchi. Society for Gerontological Research. Delhi. 2002; 51-68.
37. **Tripathi M**. Programme unit for Diploma in Geriatric medicine, for IGNOU and "neurological assessment of a geriatric patient". For Ruchika Kuba Programme Coordinator. 2002; 154-256.
38. **Tripathi M**, Jain S. "Benign Syndromes of Memory Impairment. The Road Beyond". Reviews in Neurology. Indian Academy of Neurology. New Delhi. 2001; 87-96.
39. Padma MV, **Tripathi M**, Jain S, Maheshwari MC. "Migraine Prophylaxis. In: Migraine Update". Edited by Renjen PN et al. Medicine Update. New Delhi. 2000; 47-53.
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41. **Tripathi M**, Jain S, Padma MV, Maheshwari MC. "Genetic aspects of epilepsy". Epilepsy in India. Edited by BS Singhal, Devika Nag. Indian Epilepsy Association .2000; 171-189.
42. Maheshwari MC, **Tripathi M**, Jain S, Padma MV. "Ayurvedic approach to epilepsy: The Indian traditional method". Edited by Murthy JMK. Epilepsy: The Indian perspective. Care Foundation India 1999; 163-71.
43. Padma MV, **Tripathi M**, S Jain, Maheshwari MC. "Epilepsy and Pregnancy". Drugs: News and views. 1999; 5(1): 18-25.
44. Padma MV, **Tripathi M**, S Jain, Maheshwari MC. "Advances in Epilepsy" Passi publications. 1999; 5(1) 39-43.
45. S Jain, **Tripathi M**, Padma MV, and Maheshwari MC. "Genes and Epilepsy". Drugs: News and views. 1999; 5(1) 60-63.
46. **Tripathi M**, Padma MV, S Jain, Maheshwari MC. "Current management of epileptic patient" Drugs: News and views. 1999; 5(1); 51-55.
47. **Tripathi M**, Padma MV, S Jain, Maheshwari MC. "Epilepsy and the elderly patient". Drugs: News and views. 1999; 5(1): 12-17.
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CONFERENCES, WORKSHOPS & TALKS (CME)

INTERNATIONAL TALKS and presentations- 62 - in AAN, CONY, ILAE , AOEC, AOCN, AASM, AOSSM, VASCOG, etc.

NATIONAL Invited TALKS/ workshops conducted/ PANELLIST – 350 all over India.

PhD examiner International Aarhus university, Helsinki. Visiting professor INI Hannover, Morocco Rabat, Indonesia Surabhaya . Helped establish epilepsy surgery program in Surabhaya and Nepal.

PhD course Guide AIIMS, AMU, JMI, JNU, DU, etc.

Empaneled DNB examiner.

Guide of 43 DM students.

Articles in media and press & TV advocacy for epilepsy, dementia , sleep disorders.

Office bearer/ position of responsibility

1. TASK force member- Neuroscience task force, Chronic disease biology task force-DBT, STEM cell task force, Member- National older persons policy- Min Health and family impairment.
2. Core member- Guidelines for epilepsy management in India- GEMIND- IES now in phase 2 as REMI- recommendations of epilepsy management in India.
3. Core member- Core member Epilepsy teaching program (ETP)- IES
4. Co-ordinator: Indian rural epilepsy program
5. Core: Member of National Brain Grid- ICMR
6. Core: Member of STF Standard treatment flow algorithms- ICMR
7. Secretary General of Indian Epilepsy Society.
8. President of Alzheimer's Disease association (India)- Delhi Chapter
9. Member of American Academy of Neurology
10. Member of IBRO (International brain research organisation)
11. Member of American Academy of Sleep Medicine
12. Member of American epilepsy society
13. Past Secretary – Tropical subsection of neurology
14. Past EC member IAN
15. EC member NSI
16. Executive member- Indian society of sleep research- ISSR
17. Executive member and fellow - Indian sleep disorders association- ISDA
18. Task force member International league against epilepsy – Epilepsy stigma and Driving, Pediatric epilepsy subgroup. Member IBE- research committee.
19. Member of the Medical Sciences Research Committee for Council of Scientific and Industrial Research(CSIR), 2013.

20. Member of the group in the development of “National Guidelines on Obstructive Sleep Apnea” for the diagnosis of OSA, under the auspices of dept. of health research, Ministry of family and health welfare , Govt. Of India 2013.
21. Member of the group in the development of “National Guidelines on Extrapulmonary tuberculosis” dept. of health research, Ministry of family and health welfare , Govt. Of India 2017.
22. Member National essential drug list.
23. Neurology expert for SEC meetings DCGI- FDA India.
24. **Specialist and member** of Min of Social justice and empowerment – Disability board.
25. Reviewer for lancet neurology, Nature- Reviews Neurology, Epilepsy Research , Epilepsia, Seizure, Dementia and related disorders, AIAN, Neurology India.
26. Associate editor- Dementia and related disorders, Seizure and epilepsy research, Neurology India.
27. Professor of neurology in the constitution of the staff council for the year 2013-14. All India Institute of Medical Sciences.
28. Institute representative from AIIMS for the member institutions of the Indian national node for Neuro informatics 2012.
29. Member of the panel of the registered medical practitioners (physicians) and neurologist/neurosurgeon for certifying brain stem death under transplantation of human organ act, 1994 at AIIMS, New Delhi, 2012.
30. Member of the editorial advisory board of the journal Critical Reviews in Neurobiology (Begell house Inc.), 2012.
31. Appointed as a part time councilor at skill development Centre (sdc) of pgdgmProgramme.
32. Nominated by the DGHS for formulating the national epilepsy control Programme.
33. Member of the advisory board of the Indian academy of clinical medicine journal.
34. Member of the site visit committee of the Biotechnology Industrial Partnership Programme (BIPP) of Dept. of Biotechnology. October 2011
35. Guest faculty at the “Leads of Sleep’-Sleep Workshop: October 7&8, 2011.
36. Representative of the Indian Epilepsy Society (IES) to the ASEPA and the EEG Board Examination from India, 2011-2015.

SIGNIFICANT EVENTS ORGANISED

1. Organised the 2nd annual conference of the clinical neurophysiology was held on 28th and 29th november 2015.at all india institute of medical sciences (aiims), new delhi. Under ifcn's visiting professor program, prof. R denglereeg and epilepsy school organized for the indian epilepsy society 2015 october.
2. Organized patient awareness day “Epilepsy Day”, 26th March 2011,Venue: Conference Hall AIIMS.New Delhi.

3. Member of the expert panel to certify brain death at AIIMS, 09th June, 2011 according to the transplantation of the Human Organs Act-1994 which legalized brain death and the removal of organs and tissues from brain dead owners.
4. Executive Organising committee member of ISDA meeting, 6th Sept. 2010.
5. Organizing Secretary- 9th Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society (ECON) 21st-22nd Oct 2008, India Habitat Center, New Delhi.
6. Workshop Director- "Workshop on Epilepsy and EEG" IES Agesis at CMET, AIIMS, from 2008 biannually since-2005 held.
7. Organizing Secretary- Current trends in Epilepsy 2006.
8. Floor manager Midneurocon 2002.
9. Organiser of Workshop on Alzheimer's dementia- Nov 18/11/01.
10. Asst-Gen secretary in "The Asiano-Oceano conference in Epilepsy" held in Nov 2000 New Delhi.
11. Co-convenor for the VIth National workshop on Movement Disorders held from 23rd to 24th Oct, 1999.
12. Past Executive member IANCON- Delhi. National workshops director for epilepsy and EEG.
13. In-charge CME on MCI in IANCON- Nagpur.
14. Member of committee for arranging an Exhibition on "Frontiers in Health Care Practices" for celebrating of the 55th Institute Day.

Position and Employment (Starting with the most recent employment) all are teaching posts

S No.	Institution Place	Position	From (Date)	To (date)
1	All India Institute of Medical Sciences (AIIMS), Neurosciences Centre, Room No. 705 7 th floor, Ansari Nagar. New Delhi 110029, India	Professor	2011	Till date
1	All India Institute of Medical Sciences (AIIMS), Neurosciences Centre, Room No. 705 7 th floor, Ansari Nagar. New Delhi 110029, India	Additional Professor	2007	2011
2	All India Institute of Medical Sciences (AIIMS), New Delhi 110029, India	Associate Professor Department of Neurology	2003	2007
3	All India Institute of Medical Sciences (AIIMS), New Delhi, India	Assistant Professor Department of Neurology	1998	2003
4	St. John's Medical College, Bangalore, India	Assistant Professor Department of	1997	1998

		Neurology		
5	National Institute of Mental Health & Neurosciences (NIMHANS), Bangalore, India	Senior resident post DM.	1996	1997
6	National Institute of Mental Health & Neurosciences (NIMHANS), Bangalore, India	Senior resident	1993	1995
7	Bowring Hospital , Bangalore	Junior Resident	1991	1993

EDUCATION (Post-Graduation onwards & Professional Career)

S.No.	Institution Place	Degree Awarded	Year	Field of Study
1	MKCGMEDICALCOLLEGE	MBBS	1990	MBBS
2	Bowring Hospital , Bangalore	MD Medicine (in course)	1993	MD
3	National Institute of Mental Health & Neurosciences NIMHANS- Bangalore	DM	1997	Neurology

Departmental Research- guide and co guide

Chief-guide

1. Chief Guide-Ms. Kirandeep Kaur (PhD. Student) Department of Neurology Title "Interventions for stigma for persons in epilepsy in India." January, 2015 session
2. Chief guide of Ms. Mala Manral (PhD. Student) Department of neurology Title " Ketogenic diet in patients with epilepsy" January 2014.
Past student
3. Chief Guide-Mr. KavishIhtisham (PhD. Student) Department of Neurology Title "Immunogenetic mechanisms in epilepsy patients taking anti-epileptic medications." January, 2011 session

4. Chief-Guide of Mr. Kapil (Dept. of Neurology), July 2009, and Ph.D. Thesis Title "Study of cognition and Quality of life in Chronic Intractable Epilepsy using Functional Magnetic Resonance Imaging" (fMRI).
5. Chief-Guide of Mrs. Rekha (Dept. of Neurology), July 2009, and Ph.D. Thesis Title "A Randomized Controlled Trial (RCT) of Early versus Late Surgery in childhood intractable Epilepsy"

Co-guide

1. Co-Guide of Mr. Nitish Rai, Ph.D student, Dept. of Biophysics. "Role of setrin protein and its therapeutic implication in neurodegenerative disease." 2013 session.
2. Co-Guide of Dr. Manoj Kr. Singh for his thesis entitled "Efficacy of modified atkins diet versus ketogenic diet in children with refractory epilepsy aged 1 year to 18 years."
3. Co-Guide of Lt.Col (Dr.) Karuna Datt, Ph.D student, Dept. of Physiology. "Electrophysiological Characterization of Yoga Nidra and it's role in primary insomnia patients". 2012
4. Co-Guide of Dr. Nitika Dang, Dept. of Neurosurgery, AIIMS, 2011 batch.
5. Co-Guide Dr. Kanwaljeet Garg, Junior resident Dept. of Neurosurgery.
6. Co-Guide of Mr. John Preetham Kumar, Ph.D student, Department of Physiology, December 2011 session.
7. Co-Guide of Ms. Anita Pal, Ph.D student, Department of Physiology, December 2011 session.

8. Co-Guide of Ms. Shalini, Ph.D student, Department of Biophysics, July 2011 session.
9. Co-Guide-Dr. Aftab Hasan Nazar (M.D), Dept. –Nuclear Medicine title: “To compare the role of 99mTc-TRODAT-1 SPECT-CT versus 18F-DOPA PET-CT in the differential diagnosis of Parkinson’s disease and other parkinsonism syndromes” (Batch-July 2009to July 2012).
- 10.Co-Guide of Dr. Nipendra Kumar (Junior Resident)- Dept. of Psychiatry, AIIMS. “ A cost-of-illness study to assess the economic burden of dementia care.”
- 11.Co-Guide of Ms. Meera John (MSc. Nursing 1st Year student), dept. of Nursing. “A study to assess the knowledge and attitude of caregivers of patients with dementia and it’s correlation with perceived caregiver burden.” July, 2011.
- 12.CO-Guide - Dr Lakshminarayanan K- Senior Resident (DM, Pediatric neurology) Title: “Efficacy of Low glycemic diet therapy in children with refractory epilepsy- A randomized controlled trial” Dept. of Pediatrics All India Institute of Medical Sciences 2011.
- 13.Co-Guide-Dr. Aathira .R, Junior Resident (Academic –Jan2011 Session), department of Pediatrics Title-“Prevalence of Sleep Abnormalities in Autistic Children: Across Sectional Study”.
- 14.CO-Guide of Dr Mukesh Kumawat (M.Ch Student) Department of CTVS, CN.Centre, AIIMS, New Delhi. Thesis title: “Neurological outcome after Aorti Arch Replacement surgeries without Hypothermic circulatory Arrest”. Aug 2010.

- 15.**CO-Guide of Dr. Sudhir Chandra Sarangi (DM student) dept. of Clinical Pharmacology. Thesis title 'Effect of antiepileptic therapies on trace elements status in Indian population in a tertiary care hospital.' July, 2010.
- 16.**Guide Swarndeeep Singh, VaridhKatiyar, and ShuvadeepGanguly (MBBS batch-2009) Title-"Prediction of the development of drug resistant epilepsy in a tertiary care centre in India: An observational study."
- 17.**Guide of Ms.Rupa Joshi (Dept. of Pharmacology), July 2009, and PhD Thesis title:Adverse Effects of Antiepileptics: Effect of Phytomedicines".
- 18.**Co-Guide of Ms. Shweta Sharma (Dept.of Physiology), Ph.D. Thesis Title "A study of quantitative EEG changes, cognitive function and stress in mild cognitive impairment and Alzheimer's disease".
- 19.**Co-Guide of Mr.Prabhakar Singh (Dept.of Anatomy), Ph.D. Thesis Title "Hippocampal neuronal cell loss and age"
- 20.**Co-Guide of Ms. Monica Pahuja, (Dept. of Pharmacology), PhD. Thesis Title, "Evaluation of antiepileptic property of selected Indian plants and their mechanism of action."
- 21.**Co-Guide of Mr. Abhay kumar Department of Biophysicsco-guide of Navita Chaudhary Dept.of Physiology), Ph.D Thesis Title-" A Comparison of Autonomic functions before and after surgical intervention in patients with Temporal lobe Epilepsy",
- 22.**Member of Doctoral committee, D.Elanchezhian, (Department of Biophysics) PhD Thesis Title, "Randomization clinical trial on

determining the efficacy of Reflexology and usual drug treatment in the management of west syndrome (infertile spasms)

- 23.**Co-guide of Mary Teenu Sebastian (MSc Nursing Final year Student) Dissertation Title “A study to evaluate the impact of health education on self-care medication compliance in patients with epilepsy”
- 24.**Apolipoprotein estimation in dementias (Alzheimer’s and vascular).
Co- Guide of Dr. R Grover. Dept. of medicine MD.
- 25.**Effect on neurobehavioral profile and markers of oxidative stress in rats chronically exposed to air and noise pollution: modulation by antioxidants. Dr G. Choudhary Ph.D.
- 26.**Pain and AD. Rakhi Pal. Physiology PhD.Acupressure and postoperative nausea and vomiting-Dept of physiology Ph.D.-Dept. of Physiology.
- 27.**Genetic Polymorphism of drug metabolising enzymes CYP2D6 and GST genes in epileptic patients showing adverse drug reactions and toxicity to specific drug phenytoin. Ashwin-Dept. of Biotechnology-Ph.D.
- 28.**Apolipoprotein in intractable epilepsies-Dept. of Biochemistry- Amit MD-Biochemistry.Autonomic functions and intractable epilepsies-Shalini-Dept. of physiology-Ph.D.
- 29.**Assessment of Caregiver burden in dementias- Dr Ramandeep- Dept. of Psychiatry MD.
- 30.**Co –Guide “Determination of efficacy of reflexology in the adjunctive treatment of intractable seizures in children and genetic screening for

GPR56 gene mutations in the subset with Lennox Gastaut syndrome.”

Dr Srinivas N, Department of Biophysics.

31. Co –Guide M.DivanMydeen, (Department of

biophysics)“Determination of efficacy of reflexology in the adjunctive

treatment of intractable seizures in children and genetic screening for

GPR56 gene mutations in the subset with Lennox Gastaut syndrome.”

Dr Srinivas N, Department of Biophysics.

32. Guide and co-Guide for all Neurology residents and interdepartmental

resident and undergraduate research.

DATE: 14/10/21



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(Neurosurgeon)