

Research Achievements

Dr. Manjari Tripathi has 374 **full length original articles (indexed high impact factor journals e.g. NEJM 91.245, Lancet, JAMA Neurology, JNNP, Neurology, Biological psychiatry etc.)**. She wrote & published the first series of autoimmune epilepsies, migraine and new techniques for epilepsy control from India.

In 1996, she was awarded her DM Neurology from the prestigious **NIMHANS**. She has been awarded several fellowships: Fellow- NIH- Epilepsy –UCLA, National Science Academy-NASI-FNASc, FRCP (Edin), American Academy of Sleep Medicine; Indian Sleep disorders Association. Awarded Gold medal and honours in Anatomy, Physiology and Obstetrics in MBBS.

She is the recipient of **several awards** for excellent research in neurology

- **AAPIOS best sleep researcher** award in 2019, San Antonio Texas
- **BMJ best paper** award 2018
- **AIIMS Best Research** award 2018 & 2013
- **Extraordinary contribution** to Epilepsy, an **Outstanding Achievement** award in 11th Asian & Oceania Epilepsy congress Hong Kong- ILAE & IBE 2016
- **Anandi Bai Joshi award for Medicine** in 2012
- **Best platform award** – ECON Indore

Areas of interest: Epilepsy, sleep disorders, cognitive disorders (Dementia) , Multiple sclerosis and autoimmune Neurology.

The top 5 publications (https://scholar.google.es/citations?user=Eu_BzWkAAAAJ&hl=en) are listed (with citations):

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)
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.
3. 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. doi: 10.1111/ene.14935.
4. Jaykar P, Gaillard WD, Tripathi M, Libenson MH, Mathem GW, Cross JH. The Task Force for Epilepsy Surgery, Commission for paediatrics and the diagnostic commission for the International League Against Epilepsy. Diagnostic test Utilization in evaluation for respective Epilepsy Surgery in Children. Epilepsia. 2014;55(4):507-18.
5. Tripathi M, Padhy UP, Vibha D, Bhatia R, Padma Srivastava MV, Singh MB, Prasad K, Chandra SP. Predictors of refractory epilepsy in North India: A case-control study. Seizure. 2011; 20 (10): 779-83.

6. Tripathi M, Garg A, Gaikwad S, Bal CS, Sarkar C, Prasad K, Dash HH, Sharma BS, Chandra PS. "Intra-operative electrocorticography in lesional epilepsy". *Epilepsy Res.* 2010; 89 (1): 133-41.

The full list of all publications in her areas of interest are provided hereunder (year wise):

Epilepsy Related 2022

1. Dubey V, Dey S, Dixit AB, Tripathi M, Chandra PS, Banerjee J. Differential glutamate receptor expression and function in the hippocampus, anterior temporal lobe and neocortex in a pilocarpine model of temporal lobe epilepsy. *Exp Neurol.* 2022 Jan;347:113916.
2. Agrawal M, Chandra SP, Doddamani RS, Samala R, Garg A, Gaikwad S, Sharma R, Ramanujan B, Tripathi M, Bal C, Tripathi M. Feasibility of Tailored Unilateral Disconnection vs Callosotomy for Refractory Epilepsy in Patients with Bilateral Parieto-Occipital Gliosis Following Perinatal Insult. *Neurol India.* 2022 May-Jun;70(3):918-927. doi: 10.4103/0028-3886.349601. PMID: 35864619.
3. Paul D, Dixit AB, Srivastava A, Banerjee J, Tripathi M, Suman P, Doddamani R, Lalwani S, Siraj F, Sharma MC, Chandra PS, Singh RK. Altered expression of activating transcription factor 3 in the hippocampus of patients with mesial temporal lobe epilepsy-hippocampal sclerosis (MTLE-HS). *Int J Neurosci.* 2022 Jul 21:1-7. doi: 10.1080/00207454.2022.2100777. Epub ahead of print. PMID: 35822277.
4. Kumar K, Banerjee Dixit A, Tripathi M, Dubey V, Siraj F, Sharma MC, Lalwani S, Chandra PS, Banerjee J. Transcriptomic profiling of nonneoplastic cortical tissues reveals epileptogenic mechanisms in dysembryoplastic neuroepithelial tumors. *Funct Integr Genomics.* 2022 May 28. doi: 10.1007/s10142-022-00869-1. Epub ahead of print. PMID: 35633443.
5. Doddamani RS, Subianto H, Bajaj J, Girishan S, Samala R, Agrawal M, Ramanujam B, Tripathi M, Chandra PS. Mini Temporal Craniotomy Using Anatomical Surface Landmarks for Temporal Lobe Epilepsy: Technical Note and Clinical Outcomes. *Neurol India.* 2022 Mar-Apr;70(2):524-529. doi: 10.4103/0028-3886.344675. PMID: 35532614.
6. Sarangi SC, Kumar S, Tripathi M, Kaleekal T, Singh S, Gupta YK. Antiepileptic-drug tapering and seizure recurrence: Correlation with serum drug levels and biomarkers in persons with epilepsy. *Indian J Pharmacol.* 2022 Jan-Feb;54(1):24-32. doi: 10.4103/ijp.ijp_253_21. PMID: 35343204; PMCID: PMC9012412.
7. Bera A, Srivastava A, Dubey V, Dixit AB, Tripathi M, Sharma MC, Lalwani S, Chandra PS, Banerjee J. Altered hippocampal expression and function of cytosolic phospholipase A2 (cPLA2) in temporal lobe epilepsy (TLE). *Neurol Res.* 2022 Aug;44(8):748-753. doi: 10.1080/01616412.2022.2051131. Epub 2022 Mar 13. PMID: 35285418.
8. Doddamani R, Kota RC, Ahemad N, Chandra SP, Tripathi M. Endoscopic Total Corpus Callosotomy and Pan Commissurotomy for Lennox-Gastaut Syndrome. *Neurol India.* 2022 Jan-Feb;70(1):63-67. doi: 10.4103/0028-3886.338654. PMID: 35263855.
9. Kumar M, Ramanujam B, Barki S, Dwivedi R, Vibha D, Singh RK, Tripathi M. Impact of exercise as a complementary management strategy in people with epilepsy: A randomized controlled trial. *Epilepsy Behav.* 2022 Apr;129:108616. doi: 10.1016/j.yebeh.2022.108616. Epub 2022 Feb 23. PMID: 35219171 Austin JK, Birbeck G, Parko K, Kwon CS, Fernandes PT, Braga P, Fiest KM, Ali A, Cross JH, de Boer H, Dua T, Haut SR, Jacoby A, Lorenzetti DL, Mifsud J, Moshé SL, Tripathi M, Wiebe S, Jette N. Epilepsy-related stigma and attitudes: Systematic review of screening instruments and interventions - Report by the International League Against Epilepsy Task Force on Stigma in Epilepsy. *Epilepsia.* 2022 Jan 5. doi: 10.1111/epi.17133.
10. Kwon CS, Jacoby A, Ali A, Austin J, Birbeck GL, Braga P, Cross JH, de Boer H, Dua T, Fernandes PT, Fiest KM, Goldstein J, Haut S, Lorenzetti D, Mifsud J, Moshe S, Parko KL,

Tripathi M, Wiebe S, Jette N. Systematic review of frequency of felt and enacted stigma in epilepsy and determining factors and attitudes toward persons living with epilepsy-Report from the International League Against Epilepsy Task Force on Stigma in Epilepsy. *Epilepsia*. 2022 Jan 5.

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11. Agrawal M, Samala R, Doddamani RS, Goyal A, Tripathi M, Chandra PS. Is surgery effective for treating hypothalamic hamartoma causing isolated central precocious puberty? A systematic review. *Neurosurg Rev*. 2021 Dec;44(6):3087-3105. doi: 10.1007/s10143-021-01512-6.
12. Drexler R, Ben-Haim S, Bien CG, Borger V, Cardinale F, Carpentier A, Cendes F, Chandra S, Clusmann H, Colon A, de Curtis M, Delev D, Didato G, Dührsen L, Farah JO, Guenot M, Ghatan S, Haegelen C, Hamer H, Hauptmann JS, Jeffree RL, Kalbhenn T, Kegele J, Krayenbühl N, Lang J, Mathon B, Naros G, Onken J, Panov F, Raftopoulos C, Ricklefs FL, Rijkers K, Rizzi M, Rössler K, Schijns O, Schneider UC, Spyrtanis A, Strzelczyk A, Stodieck S, Tripathi M, Vadera S, Alonso-Vanegas MA, Vaz JGR, Wellmer J, Wehner T, Westphal M, Sauvigny T. Enhancing Safety in Epilepsy Surgery (EASINESS): Study Protocol for a Retrospective, Multicenter, Open Registry. *Front Neurol*. 2021 Dec 13;12:782666. doi: 10.3389/fneur.2021.782666.
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18. 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.

19. Katyal J, Rashid H, Tripathi M, Sood M. Prevalence of depression and suicidal ideation in persons with epilepsy during the COVID-19 pandemic: A longitudinal study from India. *Epilepsy Behav.* 2021 Sep 20;124:108342. doi: 10.1016/j.yebeh.2021.108342.
20. 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. doi: 10.1111/ene.14935.
21. 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:
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25. 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.
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27. 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.
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29. 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.
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45. Doddamani RS, Meena R, Samala R, Agrawal M, Tripathi M, Chandra PS. Expanding the Horizons of mTOR Inhibitors for Treating Subependymal Giant Cell Astrocytomas with Obstructive Hydrocephalus. *PediatrNeurosurg.* Jan 2021;56(1):102-104.
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