

CURRICULUM VITAE DR. SANGEETA RAVAT

M.B.B.S., M.D., D.M.

Fellow, Indian Academy of Neurology

APPLICATION FOR POST OF PRESIDENT OF INDIAN ACADEMY OF NEUROLOGY

CURRENT DESIGNATION



Dean Seth G. S. Medical college and KEM Hospital,
Parel, Mumbai - 400 012
Since January 1, 2022

Professor Neurology Department
Seth G. S. Medical College and KEM Hospital,
Parel, Mumbai - 400012

Chief Epileptologist Comprehensive Epilepsy Care Centre, 2001
Seth G S Medical College and KEM Hospital, Mumbai-400012

Visiting Professor I.I.T. Powai, Mumbai

Advisor Sunita Sanghi Centre of Ageing and Neurodegenerative Diseases
Rahul Bajaj Technology Innovation Centre, Powai, Mumbai-
400076

President Mumbai Chapter of Indian Epilepsy Association (SAMMAN)

Chairperson Epilepsy subsection of IAN since December 2021

Fellow Indian academy of Neurology

PRIOR APPOINTMENTS

- Professor & Head of the Department of Neurology,
1st May 2002 – 31st August 2022
Seth G S Medical College and KEM Hospital, Mumbai-400012
- Member ILAE task force on Epilepsy in the Tropics (2012)
- Fellowship in Neurology -1998
Royal Children Hospital, Melbourne, Australia

MY VISION AS IAN-PRESIDENT

- As a President of the Indian Academy of Neurology, my vision would be to foster collaboration and innovation within the neurology community, promote advancements in research and education and ensure the highest quality of patient care.
- I would work to create platforms for knowledge-sharing, encourage young talent and advocate for policies that support neurological health across India. I would like to strengthen the public health approach to epilepsy.
- Activate national networks and lobby administrators, policymakers and other stakeholders to integrate care for comorbidities (i.e., physical and mental health conditions) as an integral part of epilepsy treatment and care services.
- I will make effort to facilitate achieving the goal of taking neurology care to the 'unreached'.
- I have aspirations and commitment to contributing positively to the field of neurology.
- I will work towards education, improvement of neurologic sciences and knowledge in India

PERSONAL DETAILS

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Email : ravatsh@yahoo.com
Mobile: 9820310850
Correspondence Address: 1901, Moksh Mahal, P. K. Road,

Mulund (West), Mumbai - 400 080

REGISTRATION NUMBER

Fully Registered Medical Practitioner/Specialist.
Maharashtra/Indian Medical Council since February 1982
Reg no. 53538

POSITIONS HELD

1. President, Maharashtra Association of Neurologist – 2015
2. EC member of IAN - from September 2017 till September 2020
3. EC member of IEA for one term
4. EC member of IES for two terms
5. Secretary of Mumbai chapter of IEA: 2012 - 2017
6. Vice president of Mumbai chapter of IEA: 2017 - 2022
7. EC member of Maharashtra Association of Neurologist for one term

MEMBERSHIPS

- Indian Academy of Neurology – since 1994
- Neurological society of India
- Member Indian Epilepsy Association (Mumbai)
- Member, Indian Epilepsy Society
- Member, Epilepsy Partnership India
- Medical Society of Santacruz, Vile Parle &, Andheri, Mumbai
- Member of Western suburb branch of IMA

NEUROLOGY DEPARTMENT DEVELOPMENT UNDER MY LEADERSHIP AT SETH G.S. MEDICAL COLLEGE & KEM HOSPITAL

SIGNIFICANT ACHIEVEMENTS:

- **Pediatric neurology** – Regular OPDs. Epilepsy surgeries are also done for paediatric patients.
- **The Neuropsychology division** – Centre of Neuropsychology started in 2002 at KEMH. Regular training of psychology students done in neuropsychology.
- **Stroke unit:** Inaugurated on 20/10/2021. In collaboration with Neurosurgery, interventional neurology, radiology and medicine, with five dedicated stroke beds.
- **Dementia Clinic:** Inaugurated on 21/09/2021. Comprehensive management is done by a team of neurologists, neuropsychologists, and neuro-rehabilitation specialists.
- **Movement disorder clinic:** Regular Botox therapy and recently did first DBS in a public hospital in Maharashtra.

SPECIAL INTEREST AND ACHIEVEMENTS IN EPILEPSY SUBSPECIALITY

FELLOWSHIP IN AUSTRALIA:

My special interest being in Paediatric neurology and epilepsy, I worked as a fellow in Paediatric Neurology Department at Royal Children's Hospital, Melbourne, Australia. It is one of the largest Paediatric Hospitals in the World. I had very good experience in Paediatric Epilepsy under Dr. Simon Harvey. I regularly visited Austin Hospital and attended their epilepsy surgery case discussions under Dr. Sam Berkovick in Melbourne. I also had good experience in Video EEG monitoring and preoperative work up for Epilepsy surgery.

COMPREHENSIVE EPILEPSY CARE CENTRE

I established in 2001 and now has following facilities:

1. Video EEG Machine (five)
2. MRI 1.5 Tesla with FMRI and DTI
3. PET Scan
4. SPECT
5. Therapeutic Drug Monitoring
6. Neuropsychologist
7. Neurosurgeon with special training in Epilepsy Surgery
8. Psychiatrist
9. Intra-operative neuromonitoring
10. Post operative Neuro ICU care

We are doing on an average 100 ictal Video EEG monitoring and 1500-2000 interictal video EEG per year. So far, we have done more than 660 epilepsy surgeries which include temporal lobe surgeries, extratemporal lesionectomy, corpus callosotomy, tailored disconnection surgeries and our results are at par with international standards. This also includes Paediatric cases. This centre provides this facility at one of the cheapest rates in the world.

NEUROMODULATION FACILITY:

I started recently and successfully performed the first VNS implantation at a government hospital in Western India.

FELLOWSHIP TRAINING PROGRAM IN EPILEPSY:

Affiliated to Maharashtra University of Health Science. I started and have been running the Epilepsy fellowship program in KEM successfully since 2016. We have two epilepsy fellows (post DM) every year.

Software development in Epilepsy:

1. **Epilepsy surgery software**- web-based Epilepsy Surgery Software: Organizing and securely storing medical records of KEM Hospital's epilepsy surgeries since 2001. With privacy encryption, it's a valuable tool for seamless research and categorization."

2. **WIN EPILEPSY** – An innovative healthcare app offering electronic health records for patients and doctors, multilingual support, pill / consult reminders, a seizure diary, events near me and many such features. Designed to empower patients and contribute to medical research, it's a charitable solution tailored for the Indian market

IAN EPILEPSY SUBSECTION

It was started by me in 2021 with 20 members and now it has 151 members. I am the chairperson of this since December 2021. There was re-election in July 2023 and I was continued as chairperson for next term unopposed.

SUB SECTION ACTIVITIES

1. International CME – Virtual symposium – “Case based epilepsy diagnosis & treatment’ with 2 international speakers – on June 04, 2022
2. Epilepsy subsection journal club – With Prof. Lawrence J. Hirsch on his landmark paper - ACNS standardized Critical care EEG terminology 2021. Part A – 18th December 2022
3. Epilepsy subsection journal club – With Prof. Lawrence J. Hirsch on his landmark paper - ACNS standardized Critical care EEG terminology 2021. Part B – 19th march 2023
4. IAN – API joint symposium on Epilepsy, 16th April 2023

INTERNATIONAL LEAGUE AGAINST EPILEPSY

Served as a member of ILAE task force on [Epilepsy in the Tropics](#) in 2011- 12

AS A DEAN AT SETH G. S. MEDICAL COLLEGE AND KEM HOSPITAL

Managing KEM hospital in chief administrative position which is 2250 bedded and annually capacity of 250 MBBS and 400 posts graduated includes 20 super-specialities

I started many new things and initiated various programs

- Cadaver OT: 2 tables for training of surgeons
- Medical ICU, Stroke ICU, Anaesthesia ICU, Ortho HDU
- Tissue Bank
- E learning stations started in library for students
- E learning stations started in library for students
- Emergency Paediatric Services in Casualty – 4 Beds
- Starting IVF centre, 1st in BMC Hospital
- Emergency Paediatric Services in Casualty – 4 Beds
- Student Dosti Program
- Free food service for patient’s relatives by Akshay Chaitnya
- Started STEMI program
- Renovation. Upgradation and modernisation of BMC Kitchen

AWARDS

- 2ND in Mumbai University in M.D. (General Medicine) exam held in 1988
- Best paper of the year award - for the review article Journal of the Indian Medical Association, page 432; Vol. 108 No. 07; July 2010 Awarded in the 85th Annual conference of Indian Medical Association
- Awarded prestigious FIAN fellowship at IANCON 2022.
- Awarded Tya murti Mata Ramai Bhimrao Ambedkar Samaj Bhushan Puraskar, 15th Feb 2022

ORATIONS DELIVERED

1. Prestigious Bajoria oration at ECON 2018, Place: NIMHANS, Bangalore, India
2. Presidential oration at annual Conference of Maharashtra Association of Neurologist at Alibaug in 2015

CONFERENCES AND WORKSHOPS ORGANISED

1. ECON 2007-organising secretary, Mumbai 3rd to 4th Oct 2007.
2. Paediatric Epilepsy Workshop- Joint Workshop between ILAE and IEA held at Mumbai 2nd Oct 2007 at Mumbai.
3. EEG Workshop at KEM Hospital in June 2008.
4. Patients & Relatives Forum to celebrate completion of 100 Successful Epilepsy Surgeries held at KEM Hospital, Mumbai on 17 January 2009.
5. Long distance Epilepsy education & Awareness Programme (LEAP) was organized in collaboration with KEM Hospital with EPI trust from the USA. Five Faculties from USA and Canada were invited to conduct a two-day long teaching programme for neurologist, pediatrician and Epilepsy patients in Mumbai. The live interactive relay was organized in 4 major cities across India.
6. Cognitive Neurology CME, KEM Hospital (under IAN Initiative) on 22 Jul 2018.
7. Course Director Forum for Indian Neurology Education Epilepsy – Aug 2018
8. Course Director Epilepsy update on 26 Oct 2018 at Imphal
9. Course Director online EEG workshop organised by Indian Epilepsy society 2022

Joint Organising Secretary

1. EEG Workshop with International Faculty Dr. Colin Binnie in 2000
2. ECON 2001- Annual Conference of Indian Epilepsy Association held at Mumbai.

PUBLICATIONS

INTERNATIONAL

1. Fong GC, Shah PU, Gee MN, Serratosa JM, Castroviejo IP, Khan S, **Ravat SH**, Mani J, Huang Y, Zhao HZ, Medina MT, Treiman LJ, Pineda G, Delgado-Escueta AV. Childhood absence epilepsy with tonic-clonic seizures and electroencephalogram 3-4-Hz spike and multispikes-slow wave complexes: linkage to chromosome 8q24. *Am J Hum Genet.* 1998 Oct;63(4):1117-29. doi: 10.1086/302066. PMID: 9758624; PMCID: PMC1377498.
2. Yiu EM, **Ravat S**, Ryan MM, Shield LK, Smith LJ, Kornberg AJ. Adolescent spinal muscular atrophy with calf hypertrophy and a deletion in the SMN gene. *Muscle Nerve.* 2008 Jul;38(1):930-2. doi: 10.1002/mus.21013. PMID: 18508340.
3. Theethira TG, **Ravat SH**, Shah PU, Oak PJ, Godge YR, Roy Chengappa KN. Subacute sclerosing panencephalitis presenting as schizophreniform disorder. *Acta Neuropsychiatrica.* Cambridge University Press; 2009;21(1):45-7.
4. Bhalla D, Aziz H, Bergen D, Birbeck GL, Carpio A, Cavalheiro E, Chivorakoun P, Helen Cross J, Houinato D, Newton CR, Odermatt P, **Ravat S**, Schmutzhard E, Preux PM. Undue regulatory control on phenobarbital--an important yet overlooked reason for the epilepsy treatment gap. *Epilepsia.* 2015 Apr;56(4):659-62. doi: 10.1111/epi.12929. Erratum in: *Epilepsia.* 2015 Jun;56(6):985. PMID: 25868090; PMCID: PMC6858857
5. Sawant N, **Ravat S**, Muzumdar D, Shah U. Is psychiatric assessment essential for better epilepsy surgery outcomes? *Int J Surg.* 2016 Dec;36(Pt B):460-465. doi: 10.1016/j.ijisu.2015.06.025. Epub 2015 Jun 12. PMID: 26079497.
6. **Ravat S**, Rao P, Iyer V, Muzumdar D, Shah U, Shah S, Jain N, Godge Y. Surgical outcomes with non-invasive presurgical evaluation in MRI determined bilateral mesial temporal sclerosis: A retrospective cohort study. *Int J Surg.* 2016 Dec;36(Pt B):429-435. doi: 10.1016/j.ijisu.2015.09.006. Epub 2015 Sep 25. PMID: 26407830.
7. **Ravat S**, Iyer V, Muzumdar D, Shah U, Pradhan P, Jain N, Godge Y. Clinical characteristics, surgical and neuropsychological outcomes in drug resistant tumoral temporal lobe epilepsy. *Int J Surg.* 2016 Dec;36(Pt B):436-442. doi: 10.1016/j.ijisu.2015.10.015. Epub 2015 Oct 19. PMID: 26493209.
8. Shah U, Desai A, **Ravat S**, Muzumdar D, Godge Y, Sawant N, Jain M, Jain N. Memory outcomes in mesial temporal lobe epilepsy surgery. *Int J Surg.* 2016 Dec;36(Pt B):448-453. doi: 10.1016/j.ijisu.2015.11.037. Epub 2015 Nov 30. PMID: 26654894.

9. **Ravat S**, Iyer V, Panchal K, Muzumdar D, Kulkarni A. Surgical outcomes in patients with intraoperative Electrocorticography (EcoG) guided epilepsy surgery-experiences of a tertiary care centre in India. *Int J Surg.* 2016 Dec;36(Pt B):420-428. doi: 10.1016/j.ijisu.2016.02.047. Epub 2016 Feb 15. PMID: 26892714.
10. Muzumdar D, Patil M, Goel A, **Ravat S**, Sawant N, Shah U. Mesial temporal lobe epilepsy - An overview of surgical techniques. *Int J Surg.* 2016 Dec;36(Pt B):411-419. doi: 10.1016/j.ijisu.2016.10.027. Epub 2016 Oct 20. PMID: 27773861.
11. Bhatti A, Jain N, Desai K, **Ravat SH**, Agarwal PA. "Finger-Flapping" Hand Stereotypy as a Presenting Feature of Wilson's Disease. *Mov Disord Clin Pract.* 2018 Nov 8;6(1):74-76. doi: 10.1002/mdc3.12686. PMID: 30746420; PMCID: PMC6335442.
12. Pawar SU, **Ravat SH**, Muzumdar DP, Sankhe SS, Chheda AH, Manglunia AS, Maldar AN. Does Tc-99m ECD ictal brain SPECT have incremental value in localization of epileptogenic zone and predicting postoperative seizure freedom in cases with discordant video electroencephalogram and MRI findings? *Nucl Med Commun.* 2020 Sep;41(9):858-870. doi: 10.1097/MNM.0000000000001240. PMID: 32796473.
13. Chheda A, Desai KM, Joshi R, Thakkar M, Pillai R, Walzade P, **Ravat SH**, Jain N. A case of anti-NMDAR encephalitis with peculiar gyratory events that reignites the epilepsy versus movement disorders debate. *Seizure.* 2020 Dec;83:193-196. doi: 10.1016/j.seizure.2020.10.030. Epub 2020 Nov 4. PMID: 33197756.
14. Desai KM, Kumar P, Ravat PS, **Ravat SH**, Jain N, Agrawal S, Ansari R. Progressive Myoclonic Epilepsy'-like presentation of Cerebrotendinous Xanthomatosis in an Indian Family with A Novel C.646+1G>A Splice Site Mutation. *Epilepsy Behav Rep.* 2020 Nov 16;15:100401. doi: 10.1016/j.ebr.2020.100401. PMID: 33458645; PMCID: PMC7797504.
15. Rathore C, Baheti N, Bansal AR, Jabeen SA, Gopinath S, Jagtap S, Patil S, Suryaprabha T, Jayalakshmi S, **Ravat S**, Nayak DS, Prakash S, Rana K, Jaiswal SK, Khan FR, Murthy JM, Radhakrishnan K. Impact of COVID-19 pandemic on epilepsy practice in India: A tripartite survey. *Seizure.* 2021 Mar; 86:60-67. doi: 10.1016/j.seizure.2020.12.025. Epub 2021 Jan 8. PMID: 33550135; PMCID: PMC7837209.
16. Andugulapati SS, Chheda A, Desai K, **Ravat SH**. Diagnostic challenges in neoplastic meningitis presenting as intracranial hypertension. *BMJ Case Rep.* 2021 Mar 10;14(3): e238808. doi: 10.1136/bcr-2020-238808. PMID: 33692049; PMCID: PMC7949390.
17. Desai K, Agrawal S, Walzade P, **Ravat SH**, Agarwal PA. Atypical, Early-Onset Dystonia-Parkinsonism with Oculogyric Crises and Anterior Horn Cell Disorder Due

to a Novel DJ-1 Mutation. *Mov Disord Clin Pract*. 2021 Sep 3;8(Suppl 1): S16-S18. doi: 10.1002/mdc3.13282. PMID: 34514038; PMCID: PMC8414497.

18. Reich SG, Desai K, Agrawal S, Walzade P, **Ravat S**, Agarwal PA, Espay AJ. Commentary: Atypical, Early-Onset Dystonia-Parkinsonism with Oculogyric Crises and Anterior Horn Cell Disorder due to a Novel DJ-1 Mutation. *Mov Disord Clin Pract*. 2021 Sep 3;8(Suppl 1): S19-S20. doi: 10.1002/mdc3.13296. PMID: 34514039; PMCID: PMC8414507.

19. Baheti N, Rathore C, Bansal AR, Kannan L, Gopinath S, Pillai A, Jagtap S, Patil S, Jabeen SA, Suryaprabha T, Jayalakshmi S, **Ravat S**, Shah U, Mani J, Singh AP, Nayak DS, Prakash S, Rana K, Khan FR, Udani V, Murthy JMK, Radhakrishnan K. Current practices in epilepsy monitoring units (EMU) in India. *Seizure*. 2021 Dec; 93:13-19. doi: 10.1016/j.seizure.2021.10.004. Epub 2021 Oct 8. PMID: 34653788.

20. Satishchandra P, Rathore C, Apte A, Kumar A, Mandal A, Chauhan D, Agadi J, Gurumukhani J, Asokan K, Venkateshwarlu K, Lingappa L, Sundaracharya NV, Jha SK, **Ravat S**, Vk S, Garg S, Shah SV, Alagesan S, Razdan S, Padhy U, Agarwal VK, Arora V, Menon B, Shetty S, Chodankar D. Evaluation of one-year effectiveness of clobazam as an add-on therapy to anticonvulsant monotherapy in participants with epilepsy having uncontrolled seizure episodes: An Indian experience. *Epilepsy Behav*. 2022 May;130:108671. doi: 10.1016/j.yebeh.2022.108671. Epub 2022 Apr 2. PMID: 35381495.

21. Kumar P, Jadhav DV, **Ravat SH**, Jain N. Challenging case of tumour-induced osteomalacia. *BMJ Case Rep*. 2022 May 19;15(5):e249200. doi: 10.1136/bcr-2022-249200. PMID: 35589273; PMCID: PMC9121416.

22. Agarwal PA, Kuipers DJS, Fevga C, Agrawal S, **Ravat SH**, Breedveld GJ, Sethi K, Bonifati V. Isolated Paroxysmal Non-kinesigenic Dystonia Associated with Homozygous PDHB Variant in an Indian Family. *Mov Disord*. 2022 Oct;37(10):2166-2167. doi: 10.1002/mds.29158. Epub 2022 Jul 15. PMID: 35838632.

23. Shah U, Rajeshree S, Ravat P, Kalika M, Mehta S, Sapre A, **Ravat SH**. Challenges for low middle-income people with epilepsy during the COVID-19 pandemic: Lessons learnt, call for action. *Epilepsia Open*. 2022 Dec;7(4):665-673. doi: 10.1002/epi4.12646. Epub 2022 Sep 1. PMID: 36005396; PMCID: PMC9538458.

24. Jain N, Jadhav D, Chheda A, **Ravat S**, Ansari R, Thakkar M, Joshi R, Sriram AS, Durge V. Major Neurological Syndromes with COVID-19: Lessons to Learn. *Sci Medicine Journal*. 2022 Mar 1;4(1):13-24.

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1. **Ravat SH**, Ravat HK, Shah MD, Pahlajani DB. Malignant hypertension due to reflux nephropathy in an adolescent (a case report). *J Postgrad Med.* 1991 Jul;37(3):173-6, 176A. PMID: 1784033.
2. Vasudevan D, Mani J, **Ravat SH**, Nirhale SP, Shah PU. Congenital parietic syphilis presenting as progressive myoclonic encephalopathy. *Neurol India.* 1996 Jul-Sep;44(3):137-139. PMID: 29542635.
3. Chaudhary N, **Ravat SH**, Shah PU. Phenytoin induced dyskinesia. *Indian Pediatr.* 1998 Mar;35(3):274-6. PMID: 9707885.
4. Sawant NS, Parkar SR, Merchant HR, De Sousa AA, **Ravat SH**. Behind the mask: a study on the clinical course, psychopathology and impact on quality of life in idiopathic Parkinson's disease. *Indian J Psychiatry.* 2004 Oct;46(4):354-60. PMID: 21206795; PMCID: PMC2950955.
5. **Ravat SH**, Gupta R. Antiepileptic drugs in pediatric epilepsy. *J Pediatr Neurosci* 2008;3:7-15
6. Suresh Chandran CJ, Godge YR, Oak PJ, **Ravat SH**. Hot cross bun sign. *Neurol India.* 2008 Apr-Jun;56(2):218. doi: 10.4103/0028-3886.42015. PMID: 18688163.
7. Suresh Chandran CJ, Godge YR, Oak PJ, **Ravat SH**. Madelung's disease with myopathy. *Ann Indian Acad Neurol.* 2009 Apr;12(2):131-2. doi: 10.4103/0972-2327.53086. PMID: 20142863; PMCID: PMC2812741.
8. **Ravat SH**, Jain V. Refractory epilepsy. *J Indian Med Assoc.* 2010 Jul;108(7):418, 427-30. PMID: 21192500.
9. Taur SR, Kulkarni NB, Gandhe PP, Thelma BK, **Ravat SH**, Gogtay NJ, Thatte UM. Association of polymorphisms of CYP2C9, CYP2C19, and ABCB1, and activity of P-glycoprotein with response to anti-epileptic drugs. *J Postgrad Med.* 2014 Jul-Sep;60(3):265-9. doi: 10.4103/0022-3859.138739. PMID: 25121365.
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Ann Indian Acad Neurol. 2017 Jan-Mar;20(1):55-57. doi: 10.4103/0972-2327.199916. PMID: 28298843; PMCID: PMC5341269

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17. Bansod S, Vaideeswar P, **Ravat S**, Panandikar G. Thymectomy for myasthenia gravis: A pathological analysis. Indian J Pathol Microbiol. 2022 Jan-Mar;65(1):129-132. doi: 10.4103/IJPM.IJPM_935_20. PMID: 35074977.

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19. Mehndiratta MM, Kukkuta Sarma GR, Tripathi M, **Ravat S**, Gopinath S, Babu S, Mishra UK. A Multicenter, Cross-Sectional, Observational Study on Epilepsy and its Management Practices in India. Neurol India. 2022 Sep-Oct;70(5):2031-2038. doi: 10.4103/0028-3886.359162. PMID: 36352605.

BOOK CHAPTERS AND MONOGRAPHS

1. **Ravat SH**, Ravat P. Withdrawal of Antiepileptic Medication: When and How? IAN Reviews in Neurology 2022: Epilepsy-Innovations and Advances. 2022 Nov 28:20. ISBN:9354659047,9789354659041
2. Ravat P, Jain N, Ansari R, **Ravat S**. Pearls and Pitfalls in the Diagnosis of Immune-mediated Paraneoplastic Syndromes. Pitfalls in the Diagnosis of Neurological Disorders. 2022, Jaypee Publishers, Oct 31:361. ISBN-978935465668
3. **Ravat S**, Thakkar M, Jain K. Pitfalls in the Diagnosis of Multiple Sclerosis. Pitfalls in the Diagnosis of Neurological Disorders. 2022 Oct 31:311. ISBN-978935465668
4. **Ravat S**, Goyal V, Thakkar M, Sriram Santosh. Epilepsy in Elderly. Epilepsy Insight, Issue 2, 2021.
5. **Ravat S**, Goyal V, Ravat P. Epilepsy in Adults. Epilepsy Insight, Issue 4,2021
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9. **Ravat SH**, Gosala SR. Seizures in systemic disorders. IAN Textb. Neurology. 2018 Jul 31. ISBN 9789352701797
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11. **Ravat S**, Agrawal P, Agrawal S. Peripherally-Induced Movement Disorders and Other Miscellaneous Movement Disorders, Parkinson's Disease and other Movement Disorders, 2nd edition, 2016.ISBN:9780198705062
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13. **Ravat SH**, Bhatti et al/ Guidelines on withdrawal of anti-epileptic drugs. Reviews of NSICON 2016

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15. Merchant SH, **Ravat S**, Godge Y. Effects of Rhythmic Vibratory Cueing on Gait in Parkinson's Disease, Neurology Feb 2013,80(7 supplement) P04. 168
16. Congenital Malformations of Brain **S. H. Ravat**, M. D. Shah, Essentials of Paediatric Neurology Pg. No. 119-135
17. Non-convulsive status Epilepticus, Jan - March 1995. Epilepsy India, Newsletter of Indian Epilepsy Association.
18. Important Message to Epilepsy Care takers, July – Sept 1995 Epilepsy India, Newsletter of Indian Epilepsy Association.

CLINICAL TRIALS

- Clinical trial experience of 22 years
- Participated as Co-investigator prior to 2001 and as Principal Investigator since 2001.
- Currently heading as Principal Investigator for 1 ongoing clinical trial.
- Received ICH-GCP training.

COMPLETED TRIALS:

1. Clinical and Molecular Genetics of Epilepsies (Basic mechanisms of epilepsy)
In Association of California Comprehensive Epilepsy Programme, V.A. Medical Centre, West Los-Angeles, December 1995.
2. A randomized, double-blind, double-dummy, parallel-group study comparing the efficacy and safety of ofatumumab versus teriflunomide in patients with relapsing multiple sclerosis.
3. An open-label, multicentre, follow-up study to evaluate the long-term safety and efficacy of Brivaracetam used as adjunctive treatment in subjects aged 16 years or older with partial onset seizures”.
4. “An open- label, multicentre, follow-up trial to evaluate the long-term safety and efficacy of brivaracetam used as adjunctive treatment at a flexible dose up to a maximum of 200 mg/day in subjects aged 16 years or older suffering from epilepsy.”
- 5, “An open Label, Multicentre, Phase IV study to evaluate the safety and treatment effects of Tebokan[®] forte (Ginkgo BilobaEGb761[®]) one tablet of 120 mg twice daily in adult patients with Dementia”.

6. "An observational study to describe the clinical impact (Seizure freedom for 12 months) of CLOBAZAM (FRISIUM[®]) as an adjunct therapy in patients who are not adequately stabilized with their anticonvulsant monotherapy".
7. "A Prospective, Multicentric, Randomized, Double Blind, Placebo Controlled Phase II Clinical Study to Compare the safety and Efficacy of PMZ-1620 Therapy along with Standard Supportive care in subjects of mild to moderate Alzheimer's disease".
8. "A Novel approach in finding the potential biomarker for Parkinson's disease in body fluids at an early stage of the disease using 'Protein misfolding cyclic amplification' (PMCA) technique
9. A cross sectional, multi center study to determine the sociodemographic characteristics, clinical profile and usage pattern of Antiepileptic Drugs in persons with epilepsy in India.
- 10 "A prospective, multicenter, post-marketing surveillance to assess safety & efficacy of Perampanel in Indian patients as an adjunctive treatment in partial onset seizures with or without secondary generalized seizures in patients with epilepsy aged 12 years or older."
11. "A Cross-sectional, Multicentre Study to Determine the Sociodemographic Characteristics, Clinical Profile, and Usage Pattern of Antiepileptic Drugs in Persons with Epilepsy in India"
12. To evaluate the efficacy & safety of clobazam (CLB), carbamazepine (CBZ) & valproate (VAL) as first line AEDs in the treatment of epileptic seizures, particularly partial seizures with or without generation & generalized tonic clonic seizures
13. An open label, multicentric clinical trial to evaluate the efficacy and safety of entacapone as an add on therapy in the treatment of Parkinson's disease.
14. Protocol ID: A0081068 "An open label, non-comparative, multicentric study to evaluate the efficacy and tolerability of Lyrica (Pregabalin) in Neuropathic pain
15. An open multicentric, non-comparative study to analyze the risk benefits of treatment with phenobarbitone in adult epileptic patients.
16. An open label, non-comparative multicentric clinical trial of oxcarbazepine sustained release preparation to evaluate the safety and efficacy in the treatment of epilepsy [partial (simple/complex) with or without secondary generalization] as a monotherapy or as an add-on therapy or as a switched over therapy
17. A prospective, randomised, double blind, placebo-controlled, parallel group, multi – centre, 36-week trial to assess the efficacy and safety of adjunct mycophenolatemofetil (MMF) to maintain or improve symptom control with reduced cortico-steroids in subjects with active myasthenia gravis

18. Protocol N01199, "An open –label, multicenter, follow-up trial to evaluate the long-term safety and efficacy of brivaracetam used as adjunctive treatment at a flexible dose up to a maximum of 100 mg/day in subjects aged 16 years or older suffering from partial onset seizures
19. A double- blind, placebo-controlled, randomized efficacy and safety of levetiracetam extended-release formulation (LEV XR), administered as 2x500 mg LEV XR tablets once daily as add-on therapy in subjects from 12 to 70 years with refractory epilepsy suffering from partial onset seizures
20. A randomized, double- blind, placebo-controlled, parallel-group, multicenter study to evaluate the efficacy, safety, and tolerability of RWJ-333369 as adjunctive therapy in subjects with partial onset seizures followed by an open-label extension study
21. Protocol No. RLS/TP/2009/01; Version 02, dated 07/03/2009, Prospective, multicenteric, open label clinical study to evaluate efficacy and safety of R-TPR-011 in patients with multiple sclerosis.
22. Protocol number 205-MS-201, Version 6 final, dated 20th November 2008, Multicenter, double – blind, placebo-controlled. Dose-ranging study to determine the safety and efficacy of daclizumab HYP (DACHYP) as a monotherapy treatment in subjects with relapsing multiple sclerosis
23. A double blind, randomized, placebo-controlled, multi-centre study to assess the efficacy and safety of adjunctive zonisamide in paediatric partial onset seizures
24. A prospective, multicentric, double-blind, randomized, phase III clinical study to compare the efficacy and safety of intravenous kallikrein versus placebo along with standard supportive care in treatment of mild to moderate ischemic stroke.
25. A double blind, multicenter, extension study to evaluate the safety and efficacy of DAC HYP in subjects with multiple sclerosis who have completed treatment in study 205MS201 (SELECT)". [Extension study of EC/PHARMA-10/2009
26. Protocol N01358 dated 15 Sep 2010, A Randomized, Double-Blind, Placebo Controlled, Multicenter, Parallel Group Study to Evaluate the Efficacy and Safety of Brivaracetam in Subjects (≥16 To 80 Years Old) With Partial Onset Seizures"
27. Protocol N01379 titled: An open-label, multicenter, follow-up study to evaluate the long-term safety and efficacy of Brivaracetam used as adjunctive treatment in subjects aged 16 years or older with partial onset seizures", dated 15 Sep 2010.
28. A multicenter , open label, extension study to evaluate the long term safety and efficacy of Daclizumab High Yield Process (DAC HYP) mono therapy in subjects with Multiple Sclerosis who have completed treatment in study 205MS 202(SELECTION)

29.A Randomized, double-blind, double dummy, parallel-group study comparing the efficacy and safety of ofatumumab versus teriflunomide in patients with relapsing multiple sclerosis”.

ONGOING TRIALS

- **GN42272_FENhance** - A Phase III Multicenter, Randomized, Double-Blind, Double-Dummy, Parallel-Group Study to Evaluate the Efficacy and Safety Of Fenebrutinib Compared With Teriflunomide In Adult Patients With Relapsing Multiple Sclerosis.

LECTURES DELIVERED

- Semiology in Frontal Lobe Epilepsy – ECON 2023, Jaipur
- Presurgical evaluation for refractory mesial temporal lobe epilepsy. Prof. Sangeeta H. Ravat, Dean, KEMH, Mumbai 13th MCNS, 2023 Midwest Chapter of Neurological Surgeons (Maharashtra and Goa)
- Withdrawal of Anti-Seizure Medications - When and How? AOCN-IANCON November 2022, Delhi
- Metabolic encephalopathy role of EEG - online EEG workshop organised by Indian Epilepsy society 2022
- Perampanel – review of clinical evidence in Primary Generalised tonic clonic seizures-Nov 2022, Gujarat Neurology Association
- Symposium: Autoimmune Epilepsy – Department of Neurology (Secrets of Neurology) - Sept 2021 (online)
- Talk About Newer Anti-Epileptic Drugs in Epilepsy – 24 July 2021
- Newer Anti-Epileptics: Perampanel (Online CME) 11 June 2021 (Held in- Japan)
- Anti-Epileptics: Clobazam (Asian & Oceanian Epilepsy Congress) - 12 June 2021
- Newer Anti-Epileptics: Brivaracetam (Online CME) - 06 June 2021 (WWE)
- Panel discussion about Management of Epilepsy - 27 June 2021
- “Seizure classification and semiology” - Invited lecture at Ahmedabad 2021 organised by Gujarat Neurology Association
- “Non convulsive status epilepticus” - Online CME organised by Epilepsy surgery subsection of IES June 2021
- Frontal lobe semiology (Online VEEG course – IEC) - 11 April 2021
- “Managing epilepsy in women “- Master class series – August 2020
- “Refractory epilepsy management” – Indian Epilepsy Society, 9 May 2020
- “EEG in metabolic encephalopathy”: Indian Epilepsy Society (online CME) 2020
- Evaluation of First seizure in OPD, Forum for Indian Neurology Education (FINE) May 2020

- Conducted objective structured clinical examination (OCSE) and EEG quiz on FINE evening clinics: July 2020
- Epilepsy: Medical and surgical management. From- control to cure New Bombay physicians Association 2020
- Epilepsy! Yesterday to today.... control to cure!!! IMA Mumbai Dec 2020
- 'Autoimmune Epilepsy' at ICTRIMS 2019, Kolkata
- 'Physiology and Pharmacology In women in Neurology at IANCON CME 2019
- Management of Epilepsy in Women in Neurology Update for Physician 2019
- Why epilepsy kicks me? Nashik August 2019 organised by Nashik Neurology Association
- Unusual Semiology – ECON 2019, Delhi
- Post stroke epilepsy 2019 SNVICON, Mumbai
- Genetics in Epilepsy ,27 -28 Jan 2018, Place: Hubli, Karnataka Medical Association.
- Clinical Mx of Epilepsy where imaging is required on 17 Feb 2018 at TATA Memorial Hospital.
- Brivaracetam update on 2 Mar 2018 at UCB meet.
- Challenges faced by women Neurologists - 8 Mar 2018 at Udaipur Women's Neurologist Conference.
- Paediatric epilepsy Surgery on 7 to 10 Feb 2018 at WCNr, Mumbai.
- Journey of a newer SV2A ligand -Brivaracetam and its Indian Experience on 21 Jul 2018 at Epilepsy Conclave Hyderabad.
- Brivaracetam- An Epoch in adjunctive management of Epilepsy on 6 Oct 2018 at Ahmedabad organised by Gujarat Neurology Association
- EEG in metabolic conditions – MAPCON, Nashik 2018
- Life after Paediatric epilepsy surgery WFNR conference Feb 2018, Mumbai
- Brivaracetam- An Epoch in adjunctive management of Epilepsy on at Jaipur organised by Jaipur Neurology Association 2018
- Epilepsy and its co-morbidities 2018
- Epiquest on Sep 2018 A Case Presentation.
- Paroxysmal Non epileptic seizure (PNES) at EEG workshop organised by IES on Nov 2018 at Varanasi.
- Migraine and Epilepsy -An overlap – Annual Conference of IAN subsection of Headache: Nov 2018
- Lacosamide in women- Bombay Neurosciences Association October 2017
- EEG in frontal and occipital lobe epilepsy, 2017, EEG workshop IES
- Burnt out hippocampus 2017 IES EEG workshop Hyderabad

- Holistic management of epilepsy ,2017 API Mumbai chapter
- Red flags in headache Ahmedabad December 2016 API, Gujarat chapter
- Epilepsy – yesterday and today 2012 Ghatkopar IMA
- Autoimmune epilepsy -Ahmedabad Gujarat Neurology Association 2016
- “Autoimmune epilepsy” -ECON 2016
- NSICON- How and when to withdraw anti-epileptic drugs 2016
- Non epileptic Attack Disorder – *Brainstorm 2016* Andaman.
- “Approach to headache”- Surat medical association ,2016
- “Paroxysmal events-cardiac vs neurological” CSI of Nagpur, Jan 2016
- “MTLE semiology” – EEG workshop organised by IES, Udaipur
- Hypothalamic hamartoma- Epilepsy Update, Hyderabad Dec 2015
- “Non epileptic Attack Disorder- Psychogenic Non epileptic seizures”- ECON Feb 2015, Chennai
- Epilepsy in elderly - Neuro Update, Bhilai 2014
- Evolution of MTLE, 2014, Goa
- “Imitators of epilepsy” -API update, Dec 2013, Mumbai
- Surat IMA Epilepsy – yesterday and today 2012
- Comorbidities in epilepsy July 2010 ECON,
- Evolution of Epilepsy – At UCB meeting in November 2010
- Management of Refractory Epilepsy - at symposium organized by Indian Epilepsy Association for general physician in Nov 2010
- Prevention of Neurocysticercosis - At national epilepsy conference ECON 2010 in Indore in Feb 2010.
- Is Video EEG mandatory before performing temporal lobe epilepsy surgery? At NeuroCon held in Ahmedabad, Gujarat in Feb 2009 for Neurologists of India.
- When Monotherapy fails selecting the right first add-on AED. At Epilepsy Update held in Mumbai on 26 July 2009.
- Epilepsy management for general physicians Mumbai 2009
- Management Of Refractory Epilepsy Newer Concepts in Epilepsy Update at Ahmedabad, Gujrat in Oct 2008
- Classification of epilepsy and characteristics for General physicians, Sept 2008 Mumbai
- Psychogenic Non-Epileptic Seizures at Sion Hospital in Mumbai in April 2007
- “Clinical Applications of Video EEG” at EPICON, Mumbai 2007 for Western Zone Neurologist

- “Benign Rolandic Epilepsy” at Beijing, China in a meeting held by Nicholas-Piramal for Neurologists from India in 2006.
- “Pseudoseizures” at Neurology and Infections Conference held at Chandigarh by Indo-Pak Joint venture in 2006.
- “Nonepileptic Attacks” at Neurology Meet in Malaysia in 2006 by Ranbaxy for Neurologists from India.
- Classification of the epilepsies and their characteristics at National Physicians Conference at Miraj, Maharashtra in 2005.
- Epilepsy Diagnosis and Management for General Physician at Mumbai in 2004.
- Presurgical Evaluation for Epilepsy Surgery for ‘STEREOCON’- Annual Functional Neurosurgery Conference, Mumbai, 2002.
- Alcohol and Epilepsy at ECON 2001 Annual Conference of IEA held at Mumbai
- Spheno-Cavernous Syndrome Symposium on Neuro-ophthalmology, October 1996, K.E.M. Hospital, Mumbai.
- Investigative Approach to Wilson’s Disease. First National Seminar on Wilson’s Disease, June 1996, K.E.M. Hospital, Mumbai.
- Leigh’s Disease, Childhood ataxia with abnormal lipid profile, Unusual case of Leukodystrophy. Clinical Symposium in Paediatric Metabolic Disorder at K.E.M. Hospital, February, 1993, Mumbai.