



Scheherazade Le, MD

Clinical Professor, Adult Neurology

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

- **Stanford Comprehensive Epilepsy Center**

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Bio

BIO

Dr. Scheherazade Le is a Neurologist with subspecialty training in Epilepsy/Electroencephalography (EEG) and Intra-operative Neuromonitoring (IONM). She is the Director of epilepsy specialty clinics for Tuberous Sclerosis Complex (TSC) Alliance Clinic and the Stanford Autoimmune Encephalitis Clinic (AEC) focusing on Immune-Mediated Epilepsy/Encephalitis. Clinical research interests and publications include biosensors and devices in epilepsy, intracranial neurophysiology, innovative therapies for epilepsy such as laser ablation, immune etiologies for epilepsy and autoimmune encephalitis, and novel IONM techniques. She is an award-winning teacher who is also devoted to trainee medical education.

CLINICAL FOCUS

- Epilepsy & Electroencephalography
- Immune-Mediated Epilepsy & Encephalitis
- Autoimmune Encephalitis
- Tuberous Sclerosis Complex
- Intra-Operative Neuromonitoring
- Medical Education
- Neurophysiology
- Epilepsy

ACADEMIC APPOINTMENTS

- Clinical Professor, Adult Neurology

ADMINISTRATIVE APPOINTMENTS

- Member of the Online Education Committee, American Epilepsy Society (AES), (2024- present)
- Member of Resident/Fellow Education Committee, American Clinical Neurophysiology Society (ACNS), (2021- present)
- Epilepsy Education Director, Neurology Residency Program, (2018- present)

- Medical School Course Director SOM223: Pre-Clerkship Neuroscience Block, Stanford University Medical School, (2015- present)
- Intraoperative Neuro-monitoring (IONM) Education Director, Stanford Neurology Residency, (2019-2022)
- Neurology Teaching Assistant for Brain Block, Stanford Medical School, (2011-2012)
- Chief Resident, Stanford Neurology Residency, (2009-2010)

HONORS AND AWARDS

- Neuroscience Block, Highest Rated Course, Stanford School of Medicine (2024)
- A.B. Baker Teacher Recognition Award, American Academy of Neurology (AAN) (2024)
- Neuroscience Block, Highest Rated Course, Stanford School of Medicine (2023)
- Lysia S. Forno Teaching Award, Stanford Neurology Residents (2022)
- Arthur L. Bloomfield Award for Teaching Excellence of Clinical Medicine Nominee, Stanford (2022)
- Neurology Clerkship Medical Student Teaching Award, Stanford (2022)
- Neuroscience Block, Highest Rated Course, Stanford School of Medicine (2021)
- Neurology Department Excellence Award, Stanford (2022)
- Top 10 Master Neurology Outpatient Educators, Stanford Neurology Residents (2022)
- Top Cited Articles 2021-2022, Epilepsia Open (2021)
- Neurology Clerkship Medical Student Teaching Award, Stanford (2019)
- Quality Improvement Award: Curriculum Development for Epilepsy Rotation for Neurology Residents, Stanford (2019)
- Teaching & Mentoring Grant Recipient, Stanford Teaching & Mentoring Academy (2018-2019)
- Pre-Clerkship Curriculum Certificate of Appreciation, Stanford (2018)
- Teaching & Mentoring Grant Recipient, Stanford Teaching & Mentoring Academy (2017-2018)
- Stanford Medical School HHD223 Neurology Course Teaching Award Nominee, Stanford School of Medicine (2016-2017)
- Neurology Medical Student Clerkship Teaching Award, Stanford Department of Neurology (2007-2015)
- American Epilepsy Society Fellows Program, American Epilepsy Society (AES) (December 2011)
- J. Kiffin Penry Fellow, American Epilepsy Society (AES) Education Program (December 2010)
- Nomination for "Excellence in Humanism and Medical Teaching" at Stanford Hospital, Arnold P. Gold Foundation (2009)
- Medical Student Scholarship, Vietnamese American Medical Association (VAMA) (2005)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Immune-Mediated Epilepsy/Encephalitis Clinic Director, Stanford Autoimmune Encephalitis Clinic (AEC) (2018 - present)
- Professional Advisory Board & Clinic Co-Director, Tuberous Sclerosis Alliance Clinic (2014 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Medical Center (2012) CA
- Fellowship: Stanford University Medical Center (2011) CA
- Residency: Stanford University Medical Center (2010) CA
- Internship: Stanford University Medical Center (2007) CA
- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2016)
- Medical Education: University of California at San Francisco School of Medicine (2006) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2010)
- B.A., University of California, Berkeley , Political Science (2001)

COMMUNITY AND INTERNATIONAL WORK

- Canada Association of Neurophysiologic Monitoring
- Avances Monitorizacion Neurofisiologica Intraoperatoria 2023, 2022, 2019, 2018, 2016, Madrid, Spain
- Jornada Neurofisiologia 2013, Ciudad Real, Spain
- Visiting Neurology Teaching Resident, Krakow, Poland
- Medical Volunteer, Ho Chi Minh City, Vietnam

LINKS

- Dr. Le at Stanford Health Care: <https://stanfordhealthcare.org/stanford-health-now.html/presentation-mode/stanford-health-now/2018/brett-bicyclist-traumatic-brain-injury>
- Laser for epilepsy: <https://www.medscape.com/viewarticle/880235>
- Stanford Comprehensive Epilepsy Center: <https://med.stanford.edu/neurology/divisions/epilepsy/ourteam.html>
- Tuberous Sclerosis Alliance Clinic: <http://www.tsalliance.org/TSC-Clinics>
- UCSF Medical Vietnamese Podcast: <http://cit.ucsf.edu/podcast/description.php?uuid=364299b1-3b12-45bd-a516-861b17cb60ef>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Le studies novel techniques for the diagnosis and treatment of epilepsy, intracranial neurophysiology and intraoperative neuromonitoring (IONM). She also studies use of biosensors to detect seizures and evaluate cognition during seizures. She has an interest in improved diagnosis and treatment of autoimmune encephalitis and immune-mediated seizures and epilepsy. Dr. Le is an award-winning teacher who develops curriculum innovations for medical education.

Teaching

COURSES

2025-26

- Science of Medicine III-A: INDE 223A (Win)

2024-25

- Science of Medicine III-A: INDE 223A (Win)

2023-24

- Science of Medicine III-A: INDE 223A (Win)

2022-23

- Science of Medicine III-A: INDE 223A (Win)

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurophysiology (Fellowship Program)
- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **Safety and Feasibility of Transcranial Motor-Evoked Potentials During Intraoperative Neurophysiologic Monitoring in Patients With Deep Brain Stimulators.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Meyers, N., Keroles, M., Cho, S. C., Gummi, R., Le, S., Lee, L., Nguyen, V., Tippur, A., Lopez, J. R., Chang, F.
2026
- **Multimodal Intraoperative Neurophysiologic Monitoring Including Transcranial Motor Evoked Potentials for the Detection of Cerebral Ischemia During Carotid Endarterectomy.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Gummi, R., Hirschauer, T., Chang, F., Tippur, A., Keroles, M., Meyers, N., Nguyen, V., Lee, L., Cho, S. C., López, J. R., Le, S.
2026
- **Seizure outcomes of laser interstitial thermal therapy (LITT) for drug-resistant extratemporal epilepsy.** *Epileptic disorders : international epilepsy journal with videotape*
Touponse, G. C., Wang, A. R., Buch, V. P., Purger, D. A., Halpern, C. H., Henderson, J. M., Falco-Walter, J., Le, S.
2025
- **Major depressive disorder in multiple sclerosis associated with differences in disease modifying therapy and demographics.** *Frontiers in neurology*
Lee, N. J., Hui, G., Pike, C. W., Galetta, K., Kipp, L. B., Dunn, J., Le, S., Folmsbee, S. S.
2025; 16: 1663778
- **Averaged Blink Reflex Potential: A Novel Method of Monitoring for Intraoperative Facial Nerve Injury**
Gummi, R., Keroles, M., Meyers, N., Cho, S., Le, S., Lee, L., Nguyen, V., Tippur, A., Lopez, J., Chang, F.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Lower Extremity Somatosensory Evoked Potential (SSEP) Collision Testing for Guidance of Nerve Root Stimulation Placement for Chronic Pain**
Gummi, R., Meyers, N., Keroles, M., Cho, S., Le, S., Lee, L., Tippur, A., Lopez, J., Ramayya, A.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Cognitive and behavioral effects of perampanel 4 mg daily dose.** *Epilepsy & behavior : E&B*
Meador, K. J., Seliger, J., Le, S., Li, Y., Razavi, B., Falco-Walter, J., King, A., Graham, E., Cunningham, E., Leeman-Markowski, B., Boyd, A., Loring, D. W., Gerard, et al
2025; 164: 110268
- **Response to "Antipsychotics use in autoimmune encephalitis and multiple sclerosis: Impact on hospitalization duration".** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Folmsbee, S. S., Gombar, S., Le, S.
2024; 126: 52
- **Antipsychotic medications associated with increased length of hospital stay in autoimmune encephalitis and multiple sclerosis: A retrospective study.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Sai Folmsbee, S., Hui, G., Yuan, Y., Gombar, S., Han, M., Le, S.
2024; 124: 87-93
- **Amnesia, Superior Altitudinal Anopia, and Reversed Clock Phenomenon due to Bilateral Posterior Cerebral Artery Infarcts.** *Stroke*
Jindal, J. A., Le, S. T., Lansberg, M. G.
2024
- **Utilization of APE2 and RITE2 scores in autoimmune encephalitis patients with seizures.** *Epilepsy & behavior : E&B*
Rafferty, T., Koeppen-Babcock, A., Muppidi, S., Li, Y., Le, S.
2024; 154: 109737
- **Long-term outcomes of mesial temporal laser interstitial thermal therapy for drug-resistant epilepsy and subsequent surgery for seizure recurrence: a multi-centre cohort study.** *Journal of neurology, neurosurgery, and psychiatry*
Youngerman, B. E., Banu, M. A., Khan, F., McKhann, G. M., Schevon, C. A., Jagid, J. R., Cajigas, I., Theodotou, C. B., Ko, A., Buckley, R., Ojemann, J. G., Miller, J. W., Laxton, et al

2023

- **Tuberous Sclerosis Complex in Adulthood: A Descriptive Cohort Retrospective Review**
Stromberg, J., Le, S.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **A retrospective cohort study of new-onset refractory status epilepticus (NORSE): clinical features, timing of immunotherapy and outcomes.** *Epileptic disorders : international epilepsy journal with videotape*
Werbaneth, K., Mausolf, M., Seliger, J., Le, S.
2022; 24 (5): 1-10
- **Direct brainstem somatosensory evoked potentials for cavernous malformations.** *Journal of neurosurgery*
Le, S., Nguyen, V., Lee, L., Cho, S. C., Malvestio, C., Jones, E., Dodd, R., Steinberg, G., Lopez, J.
2021: 1-7
- **Hybrid Fluoroscopic and Neurophysiological Targeting of Responsive Neurostimulation of the Rolandic Cortex.** *Operative neurosurgery (Hagerstown, Md.)*
Parker, J. J., Jamiolkowski, R. M., Grant, G. A., Le, S., Halpern, C. H.
2021
- **Brain-Responsive Neurostimulation for the treatment of adults with epilepsy in tuberous sclerosis complex: A case series.** *Epilepsia open*
McDermott, D. S., Mirro, E. A., Fetrow, K., Burdette, D. E., Chen, S., Hopp, J., Masel, T., Johnson, E. A., Elefant, F. M., Le, S., Patra, S. E., Brown, M., Haneef, et al
2021
- **Sharps Injuries Related to Subdermal Needles in the Orbicularis Oris During Intraoperative Neurophysiologic Monitoring.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Joshi, A., Aissa, Y., Le, S., Cho, S. C., Lee, L., Lopez, J. R.
2021
- **Antibody Prevalence in Epilepsy before Surgery (APES) in drug-resistant focal epilepsy.** *Epilepsia*
Li, Y., Tymchuk, S., Barry, J., Muppidi, S., Le, S.
2021
- **Improving Cognitive Assessment of Adult Epilepsy Monitoring Unit Patients**
Chen, W., Liu, V., Meador, K., Le, S.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Comparative neuropsychological effects of carbamazepine and eslicarbazepine acetate** *EPILEPSY & BEHAVIOR*
Meador, K. J., Seliger, J., Boyd, A., Razavi, B., Falco-Walter, J., Le, S., Loring, D. W.
2019; 94: 151–57
- **Superselective methohexital challenge prior to intracranial endovascular embolization** *JOURNAL OF CLINICAL NEUROSCIENCE*
Bican, O., Cho, C., Suarez-Roman, A., Viet Nguyen, Lee, L., Le, S., Heit, J., Dodd, R., Lopez, J.
2019; 63: 68–71
- **EMG, MEP, and SSEP in the Intraoperative Neurophysiologic Monitoring of Lumbar Surgeries**
Viet Nguyen, Atikilt, N., Cho, S., Lee, L., Le, S., Lopez, J.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Comparative Neuropsychological Effects of Carbamazepine and Eslicarbazepine Acetate**
Meador, K., Seliger, J., Razavi, B., Falco-Walter, J., Le, S., Loring, D.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Driving Ability Correlated with Severity of Polyneuropathy**
Lopez, J., Cho, A., Nguyen, V., Lee, L., Le, S., Cho, S.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Comparative neuropsychological effects of carbamazepine and eslicarbazepine acetate.** *Epilepsy & behavior : E&B*
Meador, K. J., Seliger, J., Boyd, A., Razavi, B., Falco-Walter, J., Le, S., Loring, D. W.
2019; 94: 151–57

- **Superselective methohexital challenge prior to intracranial endovascular embolization.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Bican, O., Cho, C., Suarez-Roman, A., Nguyen, V., Lee, L., Le, S., Heit, J., Dodd, R., Lopez, J.
2019
- **Tripolar concentric EEG electrodes reduce noise.** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*
Aghaei-Lasboo, A. n., Inoyama, K. n., Fogarty, A. S., Kuo, J. n., Meador, K. J., Walter, J. J., Le, S. T., Graber, K. D., Razavi, B. n., Fisher, R. S.
2019; 131 (1): 193–98
- **Laser interstitial thermal therapy (LITT): Seizure outcomes for refractory mesial temporal lobe epilepsy.** *Epilepsy & behavior : E&B*
Le, S., Ho, A. L., Fisher, R. S., Miller, K. J., Henderson, J. M., Grant, G. A., Meador, K. J., Halpern, C. H.
2018; 89: 37–41
- **Positive pharmacologic provocative testing with methohexital during cerebral arteriovenous malformation embolization** *CLINICAL IMAGING*
Bican, O., Cho, C., Lee, L., Viet Nguyen, Le, S., Heit, J., Lopez, J.
2018; 51: 155–59
- **Optimal recording duration of ambulatory EEG (aEEG).** *Epilepsy research*
Kuo, J., Lee-Messer, C., Le, S.
2018; 149: 9–12
- **Seizure Risk From Intraoperative Motor Evoked Potential Stimulation**
Viet Nguyen, Sandoval, B., Ahuja, B., Lee, L., Cho, S., Le, S., Lopez, J.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Improved operative efficiency using a real-time MRI-guided stereotactic platform for laser amygdalohippocampotomy** *JOURNAL OF NEUROSURGERY*
Ho, A. L., Sussman, E. S., Pendharkar, A. V., Le, S., Mantovani, A., Keebaugh, A. C., Drover, D. R., Grant, G. A., Wintermark, M., Halpern, C. H.
2018; 128 (4): 1165–72
- **Positive pharmacologic provocative testing with methohexital during cerebral arteriovenous malformation embolization.** *Clinical imaging*
Bican, O., Cho, C., Lee, L., Nguyen, V., Le, S., Heit, J., Lopez, J.
2018; 51: 155–59
- **Laser Interstitial Thermal Therapy (LITT) outcomes for intractable epilepsy**
Le, S., Ho, A., Miller, K. J., Grant, G., Casey, H.
LIPPINCOTT WILLIAMS & WILKINS.2017
- **Retrospective Waveform Analysis of Transcranial Motor Evoked Potentials (MEP) to Identify Early Predictors of Impending Motor Deficits in Spinal Surgeries.** *Neurodiagn J*
Le, S.
2017; 57 (1:53-68)
- **Retrospective Waveform Analysis of Transcranial Motor Evoked Potentials (MEP) to Identify Early Predictors of Impending Motor Deficits in Spinal Surgeries.** *The Neurodiagnostic journal*
Le, S., Nguyen, V., Ekwueme, A. C., Cho, S. C., Lee, L., López, J.
2017; 57 (1): 53-68
- **Tracking generalized tonic-clonic seizures with a wrist accelerometer linked to an online database** *SEIZURE-EUROPEAN JOURNAL OF EPILEPSY*
Velez, M., Fisher, R. S., Bartlett, V., Le, S.
2016; 39: 13-18
- **Persistent Intraoperative Neurophysiologic Monitoring Changes in Scoliosis Surgery Correlate with Postoperative Deficits**
Viet Nguyen, Shen, H., Cho, C., Le, S., Lee, L., Lopez, J.
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Auricular chondritis presenting as non-infectious, non-paraneoplastic limbic encephalitis**
Ho, J., Rumma, R. T., Le, S.

Current Neurobiology.
2016

- **A New Association Between Castleman Disease and Immune-Mediated Cerebellitis** *JAMA NEUROLOGY*
Lee, S., Le, S.
2015; 72 (6): 722-723
- **Detection of inferolateral trunk syndrome by neuromonitoring during catheter angiography with provocative testing.** *Journal of neurointerventional surgery*
Le, S., Dodd, R., López, J., Nguyen, V., Cho, S. C., Lee, L.
2013; 5 (2)
- **Waveform Analysis of Transcranial Motor Evoked Potentials (TcMEPs) To Predict Impending Motor Deficits in Spinal Surgeries**
Le, S., Ekwueme, A., Cho, S., Lee, L., Viet Nguyen, Lopez, J.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Case Report: Rasmussen's Encephalitis Treated Successfully with Rituximab**
Lockman, J., Le, S., Fisher, R. S., Laxer, K.
Cureus.com.
2013
- **An online diary for tracking epilepsy** *EPILEPSY & BEHAVIOR*
Le, S., Shafer, P. O., Bartfeld, E., Fisher, R. S.
2011; 22 (4): 705-709
- **Gelastoc epilepsy and hypothalamic hamartomas: neuroanatomical analysis of brain lesions in 100 patients** *BRAIN*
Parvizi, J., Le, S., Foster, B. L., Bourgeois, B., Riviello, J. J., Prenger, E., Saper, C., Kerrigan, J. F.
2011; 134: 2960-2968
- **Clinical Presentation and Long-Term Outcome of Cerebral Venous Thrombosis** *NEUROCRITICAL CARE*
English, J. D., Fields, J. D., Le, S., Singh, V.
2009; 11 (3): 330-337

PRESENTATIONS

- Seizure outcomes for Laser Interstitial Thermal Therapy (LITT) for intractable mesial temporal lobe epilepsy - American Academy of Neurology (AAN) (4/26/2017)
- Direct brainstem SSEPs for vascular malformations - American Clinical Neurophysiology Society (ACNS) (February 2017)
- Loss of BAEPs with Topical Papaverine - American Clinical Neurophysiology Society (ACNS) (February 2017)
- Poster: A biosensor for tracking seizures: linking a wristwatch accelerometer to an online seizure diary. - International Epilepsy Congress (IEC) (9/2015)
- Intraoperative Neuromonitoring: Brainstem Auditory Evoked Potentials - Hospital Ramon y Cajal (11/2016)
- Intraoperative Neuromonitoring: Cerebellopontine Angle (CPA) Tumors - Hospital Ramon y Cajal (11/2016)
- Intraoperative Neuromonitoring: Decompressive Surgeries of CN V, VII - Hospital Ramon y Cajal (11/2016)
- Intraoperative Neuromonitoring: Thoracic Abdominal Aneurysm Procedures - Hospital Ramon y Cajal (11/2016)
- Poster: Auricular Polychondritis presenting as Non-infectious, Non-paraneoplastic Limbic Encephalitis - American Academy of Neurology (AAN) (4/2015)
- Intraoperative Neuromonitoring Course - Hospital General Universitario de Ciudad Real (11/2013)
- Current Epilepsy Treatment Options in Adult TSC Patients - Tuberous Sclerosis Alliance Regional Meeting (6/2016)
- Reproducible direct cortical SSEP recorded at bedside in epilepsy patients - American Academy of Neurology (AAN) (April 2015)
- Changes in intracranial EEG in five patients during Wada - American Epilepsy Society (AES) (December 2014)
- Novel and improved intraoperative techniques for brainstem and cranial nerve mapping - American Clinical Neurophysiology Society (ACNS) Annual Course (2023)