



Scheherazade Le, MD

Clinical Associate Professor, Neurology & Neurological Sciences

 Curriculum Vitae available Online

CLINICAL OFFICES

- **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 and Immune-Mediated Epilepsy/Encephalitis. Clinical research interests include biosensors and devices in epilepsy, intracranial neurophysiology, innovative therapies for epilepsy, immune etiologies for epilepsy, and novel intra-operative monitoring techniques. She is also devoted to trainee medical education.

CLINICAL FOCUS

- Epilepsy & Electroencephalography
- Intra-Operative Neuromonitoring
- immune-mediated epilepsy and encephalitis
- Tuberous Sclerosis
- Medical Education
- Neurophysiology
- Neurology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences

ADMINISTRATIVE APPOINTMENTS

- Chief Resident, Stanford Neurology Residency, (2009-2010)
- Neurology Teaching Assistant for Brain Block, Stanford Medical School, (2011-2012)
- Medical School Co-Course Director, Stanford Medical School, (2015-2017)
- Medical School Course Director HHD223 - Neurology, Stanford University Medical School, (2016- present)
- Epilepsy Education Director, Neurology Residency Program, (2018- present)

- Intraoperative Neuro-monitoring (IONM) Education Director, Stanford Neurology Residency, (2019- present)

HONORS AND AWARDS

- Teaching & Mentoring Grant Recipient, Stanford Teaching & Mentoring Academy (2018-2019)
- 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)
- Medical Student Scholarship, Vietnamese American Medical Association (VAMA) (2005)
- Nomination for "Excellence in Humanism and Medical Teaching" at Stanford Hospital, Arnold P. Gold Foundation (2009)
- Neurology Medical Student Clerkship Teaching Award, Stanford Department of Neurology (2007-2015)
- J. Kiffin Penry Fellow, American Epilepsy Society (AES) Education Program (December 2010)
- American Epilepsy Society Fellows Program, American Epilepsy Society (AES) (December 2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- 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

- Avances Monitorizacion Neurofisiologica Intraoperatoria 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 treatment of epilepsy, intracranial neurophysiology and intraoperative neuromonitoring. 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 epilepsy/encephalitis. Dr. Le is also developing curriculum innovations for medical education.

Teaching

COURSES

2022-23

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

2021-22

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

2019-20

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

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **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
- **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
- **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 polychondritis 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
- **Gelastic 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)