



Viet Nguyen, MD

Clinical Associate Professor, Neurology & Neurological Sciences

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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Bio

BIO

Dr. Viet Nguyen is a neurophysiologist and Clinical Associate Professor of Neurology at Stanford School of Medicine. His practice focuses on Intraoperative Neurophysiologic Monitoring (IONM).

Dr. Nguyen was fellowship-trained at Stanford in Clinical Neurophysiology, with an emphasis in IONM.

The IONM service uses somatosensory and motor evoked potentials (SSEP, MEP), electroencephalography (EEG), electromyography (EMG), and brainstem auditory evoked potentials (BAEP) to help minimize risk in procedures that involve the nervous system. These include surgeries and endovascular procedures for cerebral aneurysms, arteriovenous malformations (AVMs), carotid stenosis, brain and spinal tumors, spinal deformities like scoliosis and spinal stenosis, peripheral nerve injury and tumors, aortic aneurysms, trigeminal neuralgia, facial dystonia, and others.

He has published, presented research, and lectured at national and international meetings on IONM topics, and is active in multiple professional organizations in the field, including the American Clinical Neurophysiology Society, Society of Clinical Neurologists, and American Academy of Neurology.

CLINICAL FOCUS

- Monitoring, Intraoperative
- Neurophysiology
- Spasticity
- Brain Concussion
- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences

PROFESSIONAL EDUCATION

- Board Certification: Clinical Neurophysiology, American Board of Clinical Neurophysiology (2014)
- Board Certification: Neurology, National Board of Physicians and Surgeons (2020)
- Internship: Santa Clara Valley Medical Center (2006) CA
- Medical Education: Rosalind Franklin University The Chicago Medical School (2005) IL
- Fellowship: Stanford University School of Medicine (2010) CA
- Residency: Stanford University School of Medicine (2009) CA
- Board Certification, American Board of Clinical Neurophysiology , Advanced Central Clinical Neurophysiology with Added Competency in Intraoperative Monitoring (2014)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2009)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CLINICAL TRIALS

- A Natural History Study of Participants With Potassium Sodium-Activated Channel Subfamily T Member 1 (KCNT1)-Related Epilepsy, Not Recruiting
- Study to Assess the Efficacy, Safety, Tolerability, and Pharmacokinetics of BIIB033 in Participants With Relapsing Forms of Multiple Sclerosis When Used Concurrently With Avonex, Not Recruiting

Publications

PUBLICATIONS

- **Molecular Profiling of Mouse Models of Loss or Gain of Function of the KCNT1 (Slack) Potassium Channel and Antisense Oligonucleotide Treatment** *BIOMOLECULES*
Sun, F., Wang, H., Wu, J., Quraishi, I. H., Zhang, Y., Pedram, M., Gao, B., Jonas, E. A., Nguyen, V., Wu, S., Mabrouk, O. S., Jafar-nejad, P., Kaczmarek, et al
2024; 14 (11)
- **Incidence of Aicardi-Goutières syndrome and KCNT1-related epilepsy in Denmark.** *Molecular genetics and metabolism reports*
Møller, R. S., Zhao, L., Shoaff, J. R., Duno, M., Andersen, B. N., Nguyen, V., Fang, T. C., Kupelian, V., Thorén, R.
2022; 33: 100924
- **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
- **Electromyographic Analysis of Grip** *ORTHOPEDICS*
Fox, P. M., Oliver, J. D., Viet Nguyen, Hentz, V. R., Curtin, C. M.
2019; 42 (6): E555–E558
- **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
- **Driving Ability Correlated with Severity of Polyneuropathy**
Lopez, J., Cho, A., Nguyen, V., Lee, L., Le, S., Cho, S.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **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

- **Intraoperative Transcranial Motor-evoked Potential Stimulation Does Not Seem to Cause Seizures.** *Journal of neurosurgical anesthesiology*
Burbridge, M. A., Nguyen, V. n., Min, J. G., Jaffe, R. A., Ahuja, B. n., Shah, A. D., Lee, L. H., Cho, C. n., Sandoval, B. n., López, J. R.
2019
- **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.** *The Neurodiagnostic journal*
Le, S., Nguyen, V., Ekwueme, A. C., Cho, S. C., Lee, L., López, J.
2017; 57 (1): 53-68
- **Diagnostic Utility of Intraoperative Neurophysiological Monitoring for Intramedullary Spinal Cord Tumors: Systematic Review and Meta-Analysis.** *Clinical spine surgery*
Azad, T. D., Pendharkar, A. V., Nguyen, V. n., Pan, J. n., Connolly, I. D., Veeravagu, A. n., Popat, R. n., Ratliff, J. K., Grant, G. A.
2017
- **Fentanyl-induced suppression of transcranial Motor Evoked Potentials (tcMEPs)** *Anaesthesia Cases*
Bican, O., López, J., Cho, S. C., Nguyen, V., Le, S., Lee, L.
2016; 0241
- **In Vivo Imaging of Human Sarcomere Twitch Dynamics in Individual Motor Units.** *Neuron*
Sanchez, G. N., Sinha, S., Liske, H., Chen, X., Nguyen, V., Delp, S. L., Schnitzer, M. J.
2015; 88 (6): 1109-20
- **In Vivo Imaging of Human Sarcomere Twitch Dynamics in Individual Motor Units** *NEURON*
Sanchez, G. N., Sinha, S., Liske, H., Chen, X., Viet Nguyen, V., Delp, S. L., Schnitzer, M. J.
2015; 88 (6): 1109-1120
- **Neuromonitoring: EMG, SSEP and MEP** *Neurosurgery Tricks of the Trade: Spine and Peripheral Nerves*
Nguyen, V., Lopez, J. R.
edited by Nader, R., Berta, S.
Thieme.2014; 1st edition: Chapter 88
- **Peripheral Nerve Surgery** *A Practical Approach to Neurophysiologic Intraoperative Monitoring*
Nguyen, V., Jones, E.
edited by Husain, A. M.
Demos Medical Publishing.2014; 2nd edition: 163–179
- **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)