



Alice Huai-Yu Li, MD

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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Bio

BIO

Dr. Alice Huai-Yu Li is an anesthesiologist and pain management specialist at Stanford Health Care. She is also a clinical assistant professor in the Department of Anesthesiology, Perioperative and Pain Medicine, Division of Pain Management at Stanford University School of Medicine.

Dr. Li specializes in headache and orofacial pain conditions, offering advanced, personalized care for patients with complex and often debilitating pain syndromes. Her clinical expertise spans a wide range of disorders, including temporomandibular joint dysfunction (TMD), migraine, trigeminal neuralgia, and other forms of headache and orofacial pain.

She collaborates closely with her colleagues in dentistry, neurosurgery, otorhinolaryngology (ENT), neurology, and oral and maxillofacial surgery (OMFS) to ensure comprehensive and coordinated care. With this interdisciplinary approach, she works with each patient to help them feel better and improve their daily life. This includes creating a tailored treatment plan with healthy lifestyle modifications, prescription medications, and targeted procedures with fluoroscopic, ultrasound, and/or stimulation guidance.

Dr. Li's research focuses on advancing the treatment of migraine and orofacial pain. She leads studies on cutting-edge neuromodulation technologies for both migraine prevention and acute rescue, as well as ultrasound- and stimulation-guided procedures to relieve TMD symptoms. Her work also includes developing a treatment algorithm for trigeminal neuralgia and exploring the use of large language models to help clinicians diagnose complex headache and orofacial pain disorders.

Dr. Li has authored more than a dozen peer-reviewed publications and has presented her work at national and international conferences for organizations including the American Academy of Pain Medicine, the American Society of Anesthesiologists, and the North American Neuromodulation Society.

CLINICAL FOCUS

- Temporomandibular Joint Disorders
- Facial Pain
- Trigeminal Neuralgia
- Migraine and Headache
- Pain Management
- Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, North American Neuromodulation Society (2021 - present)
- Member, American Society of Regional Anesthesia and Pain Medicine (2021 - present)
- Member, American Society of Anesthesiologists (2021 - present)
- Member, American Academy of Pain Medicine (2021 - present)

PROFESSIONAL EDUCATION

- Board Certification: Pain Management, American Board of Anesthesiology (2025)
- Board Certification: Anesthesia, American Board of Anesthesiology (2025)
- Fellowship: Stanford University Pain Management Fellowship (2025) CA
- Residency: Stanford University Anesthesiology Residency (2024) CA
- Internship: Stanford University Internal Medicine Residency (2021) CA
- Medical Education: Stanford University School of Medicine (2020) CA
- BA, Harvard College , Human Developmental and Regenerative Biology, Secondary in Global Health and Health Policy (2014)

Publications

PUBLICATIONS

- **Naturalistic acute pain states decoded from neural and facial dynamics.** *Nature communications*
Huang, Y., Gopal, J., Kakusa, B., Li, A. H., Huang, W., Wang, J. B., Persad, A., Ramayya, A., Parvizi, J., Buch, V. P., Keller, C. J.
2025; 16 (1): 4371
- **Rates and Predictors of Pain Reduction With Intracranial Stimulation for Intractable Pain Disorders.** *Neurosurgery*
Huang, Y., Sadeghzadeh, S., Li, A. H., Schonfeld, E., Ramayya, A. G., Buch, V. P.
2024
- **Naturalistic acute pain states decoded from neural and facial dynamics.** *bioRxiv : the preprint server for biology*
Huang, Y., Gopal, J., Kakusa, B., Li, A. H., Huang, W., Wang, J. B., Persad, A., Ramayya, A., Parvizi, J., Buch, V. P., Keller, C.
2024
- **Role of peripheral nerve stimulation in treating chronic neuropathic pain: an international focused survey of pain medicine experts.** *Regional anesthesia and pain medicine*
Li, A. H., Bhatia, A., Gulati, A., Ottestad, E.
2023; 48 (6): 312-318
- **Application of the novel Nalu Neurostimulation System for peripheral nerve stimulation.** *Pain management*
Kalia, H., Pritzlaff, S., Li, A. H., Ottestad, E., Gulati, A., Makous, J., Chakravarthy, K.

2022

- **Considerations in Permanent Implantation of Peripheral Nerve Stimulation (PNS) for Chronic Neuropathic Pain: An International Cross Sectional Survey of Implanters.** *Pain practice : the official journal of World Institute of Pain*

Li, A. H., Gulati, A., Leong, M. S., Aggarwal, A. K., Salmasi, V., Spinner, D., Ottestad, E.

2022

- **Evidence for Continuing Buprenorphine in the Perioperative Period.** *The Clinical journal of pain*

Li, A. H., Schmiesing, C., Aggarwal, A. K.

2020

- **Feasibility and Safety of Intrathoracic Biopsy and Repeat Biopsy for Evaluation of Programmed Cell Death Ligand-1 Expression for Immunotherapy in Non-Small Cell Lung Cancer** *RADIOLOGY*

Tsai, E. B., Pomykala, K., Ruchalski, K., Genshaft, S., Abtin, F., Gutierrez, A., Kim, H. J., Li, A., Adame, C., Jalalian, A., Wolf, B., Garon, E. B., Goldman, et al

2018; 287 (1): 326–32