



Lichy Han

Instructor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

300 Pasteur Dr Rm H3580

MC 5640

Stanford, CA 94305

Tel (650) 723-6412 Fax (650) 725-8544

Bio

CLINICAL FOCUS

- Anesthesia

ACADEMIC APPOINTMENTS

- Instructor, Anesthesiology, Perioperative and Pain Medicine

PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, American Board of Anesthesiology (2025)
- Internship: Stanford University School of Medicine (2021) CA
- Residency: Stanford University Anesthesiology Residency (2024) CA

Publications

PUBLICATIONS

- **Artificial Intelligence in Perioperative Care: Opportunities and Challenges.** *Anesthesiology*
Han, L., Char, D. S., Aghaeepour, N.
2024; 141 (2): 379-387
- **Evaluation of patient state index, bispectral index, and entropy during drug induced sleep endoscopy with dexmedetomidine.** *Journal of clinical monitoring and computing*
Han, L., Drover, D. R., Chen, M. C., Saxena, A. R., Eagleman, S. L., Nekhendzy, V., Capasso, R.
2022
- **A probabilistic pathway score (PROPS) for classification with applications to inflammatory bowel disease** *BIOINFORMATICS*
Han, L., Maciejewski, M., Brockel, C., Gordon, W., Snapper, S. B., Korzenik, J. R., Afzelius, L., Altman, R. B.
2018; 34 (6): 985-993
- **MRI to MGMT: predicting methylation status in glioblastoma patients using convolutional recurrent neural networks.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Han, L., Kamdar, M. R.

2018; 23: 331–42

- **Frailty assessment utilization around the globe-a systematic review.** *The Journal of frailty & aging*
Gaston, S., Billman, E., Han, L., Drover, D.
2025; 14 (6): 100088
- **A soft robotic device for rapid and self-guided intubation.** *Science translational medicine*
Haggerty, D. A., Cazzoli, J. R., Wayne, M. A., Winckler, C. J., Wampler, D. A., Jarvis, J. L., Han, L., Rydell, L., Mahajan, A., Zevallos, J. P., Drover, D. R., Hawkes, E. W.
2025; 17 (815): eads7681
- **Recommendations for disclosure of artificial intelligence in scientific writing and publishing: a regional anesthesia and pain medicine modified Delphi study.** *Regional anesthesia and pain medicine*
Fettiplace, M. R., Bhatia, A., Chen, Y., Orebaugh, S. L., Gofeld, M., Gabriel, R. A., Sessler, D. I., Lonsdale, H., Bungart, B., Cheng, C. P., Burnett, G. W., Han, L., Wiles, et al
2025
- **Deep learning models using intracranial and scalp EEG for predicting sedation level during emergence from anaesthesia.** *BJA open*
Han, L., Purger, D. A., Eagleman, S. L., Halpern, C. H., Buch, V., Gaston, S. M., Razavi, B., Meador, K., Drover, D. R.
2024; 12: 100347
- **Patterns of clinical and imaging presentations in patients with spontaneous intracranial hypotension due to spinal cerebrospinal fluid venous fistula: A single-center retrospective cross-sectional study.** *Headache*
Callen, A. L., Han, L., Pisani Petrucci, S. L., Andonov, N., Lennarson, P., Birlea, M., O'Brien, C., Wilhour, D., Anderson, A., Bennett, J. L., Carroll, I. R.
2024
- **Long-Term Epidural Patching Outcomes and Predictors of Benefit in Patients With Suspected CSF Leak Nonconforming to ICHD-3 Criteria.** *Neurology*
Carroll, I., Han, L., Zhang, N., Cowan, R. P., Lanzman, B., Hashmi, S., Barad, M. J., Peretz, A., Moskatel, L., Ogunlaja, O., Hah, J. M., Hindiyeh, N., Barch, et al
2024; 102 (12): e209449
- **EEG response of dexmedetomidine during drug induced sleep endoscopy.** *Frontiers in neuroscience*
Han, L., Drover, D. R., Chen, M. C., Saxena, A. R., Eagleman, S. L., Nekhendzy, V., Pritchard, A., Capasso, R.
2023; 17: 1144141
- **Distinct clinical phenotypes for Crohn's disease derived from patient surveys.** *BMC gastroenterology*
Liu, T., Han, L., Tilley, M., Afzelius, L., Maciejewski, M., Jelinsky, S., Tian, C., McIntyre, M., 23andMe Research Team, Bing, N., Hung, K., Altman, R. B., Agee, M., et al
2021; 21 (1): 160
- **Modeling drug response using network-based personalized treatment prediction (NetPTP) with applications to inflammatory bowel disease.** *PLoS computational biology*
Han, L., Sayyid, Z. N., Altman, R. B.
2021; 17 (2): e1008631
- **Atrial Fibrillation Burden Signature and Near-Term Prediction of Stroke: A Machine Learning Analysis.** *Circulation. Cardiovascular quality and outcomes*
Han, L., Askari, M., Altman, R. B., Schmitt, S. K., Fan, J., Bentley, J. P., Narayan, S. M., Turakhia, M. P.
2019; 12 (10): e005595
- **Mendelian Disease Associations Reveal Novel Insights into Inflammatory Bowel Disease** *INFLAMMATORY BOWEL DISEASES*
Han, L., Maciejewski, M., Brockel, C., Afzelius, L., Altman, R. B.
2018; 24 (3): 471–81
- **Identification of UT-A1-and AQP2-interacting proteins in rat inner medullary collecting duct** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Chou, C., Hwang, G., Hageman, D. J., Han, L., Agrawal, P., Pisitkun, T., Knepper, M. A.
2018; 314 (1): C99–C117
- **Development of an automated assessment tool for MedWatch reports in the FDA adverse event reporting system.** *Journal of the American Medical Informatics Association*

Han, L., Ball, R., Pamer, C. A., Altman, R. B., Proestel, S.
2017

- **Imputing gene expression to maximize platform compatibility** *BIOINFORMATICS*
Zhou, W., Han, L., Altman, R. B.
2017; 33 (4): 522-528
- **Predicting hospital visits from geo-tagged Internet search logs.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Agarwal, V., Han, L., Madan, I., Saluja, S., Shidham, A., Shah, N. H.
2016; 2016: 15-24
- **Repolarization lability measured on 10-second ECG by spatial TT' angle: reproducibility and agreement with QT variability.** *Journal of electrocardiology*
Feeny, A., Han, L., Tereshchenko, L. G.
2014; 47 (5): 708-15
- **Mechanical alternans is associated with mortality in acute hospitalized heart failure: prospective mechanical alternans study (MAS).** *Circulation. Arrhythmia and electrophysiology*
Kim, R., Cingolani, O., Wittstein, I., Mclean, R., Han, L., Cheng, K., Robinson, E., Brinker, J., Schulman, S. S., Berger, R. D., Henrikson, C. A., Tereshchenko, L. G.
2014; 7 (2): 259-266
- **Complex assessment of the temporal lability of repolarization.** *International journal of cardiology*
Han, L., Cheng, A., Sur, S., Tomaselli, G. F., Berger, R. D., Tereshchenko, L. G.
2013; 166 (2): 543-545
- **ELECTRICAL REMODELING PREDICTS RISK OF SUDDEN CARDIAC DEATH IN ASYMPTOMATIC ADULTS** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Tereshchenko, L., Arking, D., Sotoodehnia, N., Zhang, Y., Han, L., Berger, R., Tomaselli, G., Siscovick, D., Post, W., Coresh, J., Guallar, E., Soliman, E.
ELSEVIER SCIENCE INC.2013: E1340–E1340
- **Comparison of Sum Absolute QRST Integral, and Temporal Variability in Depolarization and Repolarization, Measured by Dynamic Vectorcardiography Approach, in Healthy Men and Women** *PLOS ONE*
Sur, S., Han, L., Tereshchenko, L. G.
2013; 8 (2)
- **ECG Marker of Adverse Electrical Remodeling Post-Myocardial Infarction Predicts Outcomes in MADIT II Study** *PLOS ONE*
Tereshchenko, L. G., McNitt, S., Han, L., Berger, R. D., Zareba, W.
2012; 7 (12)
- **QT variability paradox after premature ventricular contraction in patients with structural heart disease and ventricular arrhythmias** *JOURNAL OF ELECTROCARDIOLOGY*
Das, D., Han, L., Berger, R. D., Tereshchenko, L. G.
2012; 45 (6): 652-657
- **Intracardiac J-point elevation before the onset of polymorphic ventricular tachycardia and ventricular fibrillation in patients with an implantable cardioverter-defibrillator** *HEART RHYTHM*
Tereshchenko, L. G., McCabe, A., Han, L., Sur, S., Huang, T., Marine, J. E., Cheng, A., Spragg, D. D., Sinha, S., Calkins, H., Stein, K., Tomaselli, G. F., Berger, et al
2012; 9 (10): 1594-1602
- **Predictive Value of Beat-to-Beat QT Variability Index Across the Continuum of Left Ventricular Dysfunction Competing Risks of Noncardiac or Cardiovascular Death and Sudden or Nonsudden Cardiac Death** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*
Tereshchenko, L. G., Cygankiewicz, I., McNitt, S., Vazquez, R., Bayes-Genis, A., Han, L., Sur, S., Couderc, J., Berger, R. D., de Luna, A. B., Zareba, W.
2012; 5 (4): 719-727
- **INTRACARDIAC J-WAVE IS AUGMENTED IMMEDIATELY BEFORE THE ONSET OF POLYMORPHIC VENTRICULAR TACHYCARDIA OR VENTRICULAR FIBRILLATION, BUT DOES NOT CORRELATE WITH BASELINE J-POINT ELEVATION ON SURFACE ECG** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*

Tereshchenko, L., McCabe, A., Han, L., Sur, S., Huang, T., Stein, K., Berger, R.
ELSEVIER SCIENCE INC.2012: E625–E625

- **Antiarrhythmic Effect of Reverse Electrical Remodeling Associated with Cardiac Resynchronization Therapy** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*

Tereshchenko, L. G., Henrikson, C. A., Stempniewicz, P., Han, L., Berger, R. D.
2011; 34 (3): 357-364

- **Lability of R- and T-wave peaks in three-dimensional electrocardiograms in implantable cardioverter defibrillator patients with ventricular tachyarrhythmia during follow-up** *35th Annual Conference of the International-Society-for-Computerized-Electrocardiology*

Han, L., Tereshchenko, L. G.

CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2010: 577–82

- **Beat-to-beat three-dimensional ECG variability predicts ventricular arrhythmia in ICD recipients** *HEART RHYTHM*

Tereshchenko, L. G., Han, L., Cheng, A., Marine, J. E., Spragg, D. D., Sinha, S., Dalal, D., Calkins, H., Tomaselli, G. F., Berger, R. D.
2010; 7 (11): 1606-1613