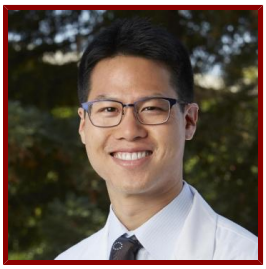
Stanford



Charles Liao

Clinical Assistant Professor, Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Hospital Medicine**
  300 Pasteur Dr Rm HC007
  Stanford, CA 94305
  Tel (650) 723-8287 **Fax** (650) 498-8990

Bio

CLINICAL FOCUS

- Internal Medicine
- Hospital Medicine
- Point-of-Care Systems
- Medical Education
- Patient Safety
- International Medical Services
- Post Acute Care

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine

ADMINISTRATIVE APPOINTMENTS

- Division of Hospital Medicine Director of International Partnerships, Stanford University School of Medicine, (2026- present)
- Inpatient Medicine Service Line Medical Director, Stanford Health Care, (2023- present)
- Post-Acute Care Medical Director, Stanford Health Care, (2023- present)
- Value Based Care Hospital Medicine Champion, Stanford Health Care, (2020- present)
- Unit C3 Medical Director, Stanford Health Care, (2018-2023)
- Patient Safety Champion, Stanford Health Care, (2016-2017)
- Interim Educators-4-Care (E4C) Faculty, Stanford University School of Medicine, (2015-2017)
- Associate Medical Director, Stanford International Medical Services, (2014-2016)
- Educators-4-Care Associate, Stanford University School of Medicine, (2012- present)
- Hospitalist, Division of Hospital Medicine, (2012- present)

HONORS AND AWARDS

- Division of Hospital Medicine Clinical Excellence Award, Stanford University School of Medicine (2025)
- David W. Rytand Award for Excellence in Clinical Teaching, Stanford Health Care (2024)
- David W. Rytand Award for Excellence in Clinical Teaching, Stanford Health Care (2019)
- Excellence In Our Workplace Award, Stanford Health Care (2018)
- Henry J. Kaiser Family Foundation Award for Excellence in Clinical Teaching, Stanford University School of Medicine (2018)
- David W. Rytand Award for Excellence in Clinical Teaching, Stanford Health Care (2013)
- StartXMed Innovation Challenge Finalist, StartXMed (2013)
- Chinese American Medical Society Summer Research Scholar, Chinese American Medical Society (2008)
- Dr. Lester Chen Memorial Scholarship, Chinese American Physician Society (2008)
- AMSA Medical Education Excellence Award, AMSA (2006)
- UCSF Summer Research Grant, UCSF (2006)
- I.L. Chaikoff Memorial Award, UC Berkeley (2004)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow https://www.doximity.com/pub/charles-liao-md/1, Doximity (2013 - present)
- Member, Society of Hospital Medicine (2012 - present)

PROFESSIONAL EDUCATION

- Residency: Stanford University Internal Medicine Residency (2012) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2012)
- IM Board Certified, ABIM , expiration 12/31/32 (2012)
- Medical Education: Univ of California San Francisco (2009) CA
- BA summa cum laude with thesis, University of California, Berkeley , Molecular and Cell Biology (2004)

COMMUNITY AND INTERNATIONAL WORK

- Rathmann Family Foundation Medical Education Faculty Fellowship
- Physician Advisor, Clincial High Risk Case Management Rounds
- Associate, Educators for Care (E4C)
- Faculty preceptor, Practice of Medicine

LINKS

- My Start-up: http://www.getrockfish.com
- My Medical Education Project: https://www.youtube.com/watch?v=Uhzcl2JDi48

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Educational Curriculum: Working with Professional Interpreters

PROJECTS

- Mobile Application. www.getrockfish.com. Helping patients find the best nursing facility - Stanford University Medical Center (February 1, 2013 - present)
- Video: Working with Professional Interpreters - Stanford University Medical Center (June 1, 2013)

Publications

PUBLICATIONS

- **Point-of-care ultrasound training using near-peer training and remote Supervision: A pilot randomized controlled trial.** *The ultrasound journal*
  Hsu, N. C., Yang, C. W., Lin, Y. F., Tsai, H. B., Liao, C., Ho, C. C., Yu, C. J.
  2026; 18 (1): 18577

- **Closing the Gap: Optimizing Hospital Discharge Planning for Improved Outcomes.** *Health services research*
  Chu, W., Liao, C., Sharma, A., Svec, D.
  2026; 61 (2): e70101

- **Ten Questions on Using Lung Ultrasonography to Diagnose and Manage Pneumonia in Hospital-at-Home Model: Part III-Synchronicity and Foresight.** *Diagnostics (Basel, Switzerland)*
  Hsu, N. C., Lin, Y. F., Tsai, H. B., Liao, C., Hsu, C. H.
  2026; 16 (2)

- **Variations and trends in major research topics across leading general medical journals, 1966-2022** *CRITICAL PUBLIC HEALTH*
  Hsu, N., Hsu, C., Liao, C., Tokuda, Y., Japan US Taiwan JUST Meta Res Grp
  2025; 35 (1)

- **Potential Limitations of Low-Dose Methotrexate in Inflammatory Knee Osteoarthritis.** *JAMA internal medicine*
  Hsu, C. H., Liao, C., Hsu, N. C.
  2025

- **Ten Questions on Using Lung Ultrasonography to Diagnose and Manage Pneumonia in Hospital-at-Home Model: Part II-Confounders and Mimickers.** *Diagnostics (Basel, Switzerland)*
  Hsu, N. C., Lin, Y. F., Tsai, H. B., Liao, C., Hsu, C. H.
  2025; 15 (10)

- **Frequency of limitations statements in original research articles of United States leading medical journals: A meta-research protocol.** *PloS one*
  Hsu, N. C., Tsai, H. B., Hsu, C. H., Tsai, M. Y., Liao, C., Tokuda, Y.
  2024; 19 (11): e0305970

- **Proportions and trends of critical care trials in leading general medical journals, 1970-2022.** *Critical care (London, England)*
  Hsu, N. C., Liao, C., Hsu, C. H.
  2023; 27 (1): 375

- **High-Flow Nasal Oxygen vs Standard Oxygen Therapy and Length of Hospital Stay in Children With Acute Hypoxemic Respiratory Failure.** *JAMA*
  Hsu, N. C., Liao, C., Hsu, C. H.
  2023; 329 (18): 1610-1611

- **Relationship of multidrug-resistant bacterial colonization and immune status of patients in the ICU.** *Intensive care medicine*
  Cheng, U. T., Tsai, C. Y., Liao, C., Hsu, N. C.
  2023

- **Post-extubation noninvasive ventilation vs high-flow nasal cannula on reintubation in patients at very high risk for extubation failure.** *Intensive care medicine*
  Hsu, N., Liao, C., Hsu, C.
  2023

- **Painful Panniculitis and Polyarthritis in Pancreatic Adenocarcinoma: A Case Report.** *Journal of clinical rheumatology : practical reports on rheumatic & musculoskeletal diseases*
  Ku, S. n., Balijepally, R. n., Horomanski, A. n., Fairchild, R. n., Brown, R. A., Liao, C. E.
  2020

- **Ground-glass opacity heralding invasive lung adenocarcinoma with prodromal dermatomyositis: a case report** *JOURNAL OF CARDIOTHORACIC SURGERY*

Beel, A. J., Demos, D. S., Chung, A., Liao, C., Lui, N. S.
2018; 13: 20

- **Goff Trans-Pancreatic Septotomy Is an Effective and Safe Salvage Technique Following Failed Standard Biliary Cannulation at ERCP**
  Barakat, M. T., Girotra, M., Huang, R. J., Choudhary, A., Liao, C., Kothari, S., Banerjee, S.
  MOSBY-ELSEVIER.2017: AB612
- **Radiation exposure to patients during ERCP is significantly higher with low-volume endoscopists.** *Gastrointestinal endoscopy*
  Liao, C., Thosani, N., Kothari, S., Friedland, S., Chen, A., Banerjee, S.
  2015; 81 (2): 391-398 e1
- **Delivery of Monthly Patient Radiation Exposure Report Cards to Endoscopists Significantly Reduces Patient Radiation Exposure During ERCP: a Prospective Quality Improvement Study** *Gastrointestinal Endoscopy*
  Thosani, N. C., Friedland, S., Chen, A. M., Kothari, S., Kochar, R., Liao, C.
  2014; 79 (5)
- **Prospective Evaluation of Predictors of Increased Patient Radiation During ERCP: the Stanford ERCP Radiation Safety (Sers) Study** *Gastrointestinal Endoscopy*
  Thosani, N. C., Chen, A. M., Friedland, S., Kothari, S., Kochar, R., Liao, C., Banerjee, S., et al
  2014; 79 (5)
- **Patient Radiation Exposure During ERCP Can Be Successfully Reduced by Education of Endoscopists: Prospective Evaluation of the Impact of an Educational Program** *Gastrointestinal Endoscopy*
  Kochar, R., Kothari, S., Friedland, S., Chen, A. M., Liao, C., Banerjee, S.
  2013; 77 (5)
- **Iron Accumulation During Cellular Senescence in Human Fibroblasts in vitro** *Antioxidants & Redox Signaling*
  David Killilea, Hani Atamna, Charles Liao, Bruce Ames
  2003; 5 (5)
- **Goff Trans-panreatic Septotomy is an Effective and Safe Biliary cannulation Technique** *American College of Gastroenterology 2011 Conference abstract/poster*
  Charles Liao, Subhas Banerjee
- **Addressing Chronic Hepatitis B in the Asian Pacific Islander Community: A student-designed, community-based, multi-disciplinary curriculum.** *American Medical Student Association 2006 abstract/poster*
  Susie Ng, Yile Ding, Jason Hom, Charles Liao
- **Radiation Exposure to patients during ERCP is significantly higher with Low Volume Endoscopists** *Digestive Disease Week 2012 oral presentation*
  Charles Liao, Shivangi Kothari, Subhas Banerjee
- **Chapter: Liver Disease** *Lange: Pathophysiology of Disease: An Introduction to Clinical Medicine. 2009 Ed.*
  Mandana Khalili, Charles Liao
- **In Hot Water: Cannabis Hyperemesis Syndrome.** *Society of General Internal Medicine 2010 abstract/poster*
  Charles Liao, Megan Ramsey, Preetha Basaviah
- **Hepatocellular Carcinoma Screening Practices in Hepatitis B-Infected Asian Americans.** *AANCART May 2008 abstract/poster*
  Mandana Khalili, Albert Yu, Charles Liao

PRESENTATIONS

- Stanford Hospitalist: Hospital Medicine Program - Ministry of Health and Welfare in Taiwan (January 14, 2015)
- Perioperative Medicine - Dental Continuing Education at Pacifica Oral & Maxillofacial Surgery Clinic (2013)