Stanford



Sam Shen

Clinical Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**
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Bio

CLINICAL FOCUS

- Emergency Medicine
- Emergency Department operations
- Digital Health
- Quality Improvement
- Patient safety
- Health Care Management

ACADEMIC APPOINTMENTS

- Clinical Professor, Emergency Medicine

ADMINISTRATIVE APPOINTMENTS

- Associate Chief Quality Officer for Patient Safety, Stanford Health Care, (2019- present)
- Vice Chair, Clinical Operations & Quality, Stanford University School of Medicine, (2017-2026)
- Fellowship Director, EM Administration Fellowship, (2015-2026)
- Medical Director, Emergency Medicine, (2014-2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, IHI Certification Board for Professionals in Patient Safety (2022 - present)
- Member, Society of Academic Emergency Medicine Fellowship Committee (2016 - present)
- Member, Society of Academic Emergency Medicine (2015 - present)
- Fellow, American College of Emergency Physicians (2008 - present)
- Board Certified, American Board of Emergency Medicine (2006 - present)
- Member, American College of Emergency Physicians (2006 - present)

PROFESSIONAL EDUCATION

- Medical Education: UCLA David Geffen School Of Medicine (2002) CA
- Residency: Beth Israel Deaconess Medical Center (2005) MA
- Internship: Beth Israel Deaconess Medical Center (2003) MA
- MBA, Anderson School of Management at UCLA (2002)
- BS, Stanford University , Biology, with Honors (1995)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Emergency Department process improvement

Digital Health

ED operations

ED innovations

Publications

PUBLICATIONS

- **Adoption of Boarding in Inpatient Hallways During Emergency Department Crowding.** *Annals of emergency medicine*
  Franklin, B. J., Shen, S. H., Parekh, V. I., Kelen, G. D., High, H., Yiadom, M. Y., Lee, M. O., Ribeira, R., Kapadia, N., Newman, J. S., Bann, M., Fogerty, R. L., Wang, et al
  2025

- **Precision emergency medicine.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Strehlow, M., Alvarez, A., Blomkalns, A. L., Caretta-Wyer, H., Gharahbaghian, L., Imler, D., Khan, A., Lee, M., Lobo, V., Newberry, J. A., Riberia, R., Sebok-Syer, S., Shen, et al
  2024

- **Stanford Emergency Medicine Partnership Program: a novel approach to streamlining the evaluation and implementation of emerging health technologies through academic-industry partnerships** *BMJ INNOVATIONS*
  Dayton, J., Yiadom, M. B., Shen, S., Strehlow, M. C., Rose, C., Bunney, G., Ribeira, R.
  2024

- **2023 Society for Academic Emergency Medicine Consensus Conference on Precision Emergency Medicine: Development of a policy-relevant, patient-centered research agenda.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Strehlow, M., Gisondi, M. A., Caretta-Weyer, H., Ankel, F., Brackett, A., Brar, P., Chan, T. M., Garabedian, A., Gunn, B., Isaacs, E., von Isenburg, M., Jarman, A., Kuehl, et al
  2024

- **Changes in low-acuity patient volume in an emergency department after launching a walk-in clinic.** *Journal of the American College of Emergency Physicians open*
  Kurian, D., Sundaram, V., Naidich, A. G., Shah, S. A., Ramberger, D., Khan, S., Ravi, S., Patel, S., Ribeira, R., Brown, I., Wagner, A., Gharahbhagian, L., Miller, et al
  2023; 4 (4): e13011

- **Effectiveness, safety, and efficiency of a drive-through care model as a response to the COVID-19 testing demand in the United States.** *Journal of the American College of Emergency Physicians open*
  Ravi, S., Graber-Naidich, A., Sebok-Syer, S. S., Brown, I., Callagy, P., Stuart, K., Ribeira, R., Gharahbaghian, L., Shen, S., Sundaram, V., Yiadom, M. Y.
  2022; 3 (6): e12867

- **Telemedicine to Decrease Personal Protective Equipment Use and Protect Healthcare Workers.** *The western journal of emergency medicine*
  Ribeira, R., Shen, S., Callagy, P., Newberry, J., Strehlow, M., Quinn, J.
  2020

- **Patient safety and quality outcomes for ED patients admitted to alternative care area inpatient beds**
  Lee, M. O., Arthofer, R., Callagy, P., Kohn, M. A., Niknam, K., Camargo, C. A., Shen, S.
  W B SAUNDERS CO-ELSEVIER INC.2020: 272–77
- **Off the Shelf: Rapid Deployment of an Emergency Department Telemedicine Platform Using Readily Available Consumer Products.** *The Journal of emergency medicine*
  Lowe, J. n., Shen, S. n.
  2020
- **Introduction of a Horizontal and Vertical Split Flow Model of Emergency Department Patients as a Response to Overcrowding.** *Journal of emergency nursing: JEN : official publication of the Emergency Department Nurses Association*
  Wallingford, G. n., Joshi, N. n., Callagy, P. n., Stone, J. n., Brown, I. n., Shen, S. n.
  2017
- **Observational study of organisational responses of 17 US hospitals over the first year of the COVID-19 pandemic.** *BMJ open*
  Choo, E. K., Strehlow, M., Del Rios, M., Oral, E., Pobee, R., Nugent, A., Lim, S., Hext, C., Newhall, S., Ko, D., Chari, S. V., Wilson, A., Baugh, et al
  2023; 13 (5): e067986
- **Converting an ED Fast Track to an ED Virtual Visit Track** *NEJM Catalyst Innovations in Care Delivery*
  Ashenburg, N., Ribeira, R., Lindquist, B., Matheson, L., Shen, S., Yiadom, M.
  2022; 3 (11)
- **A Body Bag Can Save Your Life: A Novel Method of Cold Water Immersion for Heat Stroke Treatment** *A Body Bag Can Save Your Life: A Novel Method of Cold Water Immersion for Heat Stroke Treatment*
  Kim, D. A., Lindquist, B. D., Shen, S. H., Wagner, A. M., Lipman, G. S.
  2020: 4
- **A body bag can save your life: a novel method of cold water immersion for heat stroke treatment.** *Journal of the American College of Emergency Physicians open*
  Kim, D. A., Lindquist, B. D., Shen, S. H., Wagner, A. M., Lipman, G. S.
  2020; 1 (1): 49–52
- **A predictive tool for identification of SARS-CoV-2 PCR-negative emergency department patients using routine test results.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*
  Joshi, R. P., Pejaver, V. n., Hammarlund, N. E., Sung, H. n., Lee, S. K., Furmanchuk, A. n., Lee, H. Y., Scott, G. n., Gombar, S. n., Shah, N. n., Shen, S. n., Nassiri, A. n., Schneider, et al
  2020; 129: 104502
- **Design and Implementation of a Novel Acute Stroke Code for the Extended Window of Endovascular Treatment**
  Legault, C., Dujari, S., Shen, S. H., Wagner, A. M., Albers, G., Bernier, E., Callagy, P., Vora, N.
  LIPPINCOTT WILLIAMS & WILKINS.2018
- **Lean Manufacturing Improves Emergency Department Throughput and Patient Satisfaction.** *journal of nursing administration*
  Kane, M., Chui, K., Rimicci, J., Callagy, P., Hereford, J., Shen, S., Norris, R., Pickham, D.
  2015; 45 (9): 429-434
- **Arthrocentesis of the Knee (Videos in Clinical Medicine)** *Arthrocentesis of the Knee*
  Thomsen, T. W., Shen, S., et al
  2006; e19: 354

PRESENTATIONS

- Innovative Approaches to Improve ED Overcrowding - Hospital Patient Flow Management Forum (January 14, 2019)
- Disruptive Forces Impacting Delivery of Emergency Medicine - Stanford University School of Medicine: Grand Rounds: Emergency Medicine Conference (February 12, 2014)
- Top 10 Financial Investment Principles - Podcast (7/1/2015)
- Implementing Split Flow Strategy for Emergency Department (ED) Vertical Patients By Utilizing Lean Manufacturing Principles - Lean Healthcare Academic Conference at Stanford (9/27/2016)

- Challenges of Emergency Medicine Practice in 2014 - Stanford University School of Medicine: Grand Rounds: Emergency Medicine Conference (November 6, 2014)
- Reducing Hospital Readmissions From The Emergency Department Perspective - Reducing Hospital Readmissions Conference (3/30/2017)