



Tsuyoshi (Yoshi) Mitarai

Clinical Associate Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**

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Bio

CLINICAL FOCUS

- Emergency Critical Care
- Internal medicine/critical care medicine
- High risk pulmonary embolism
- Providing delayed comfort care in Clinical Decision Units (CDU) for ED patients with life support
- Critical Care Medicine

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Emergency Medicine

HONORS AND AWARDS

- Certificate of Honor In Medical Education, Stanford University, CA (5/14/2019)
- The Henry J. Kaiser Family Foundation Award for Excellence in Clinical Teaching, Stanford University School of Medicine (5/6/2019)
- Outstanding Educator Award, Department of Emergency Medicine, Stanford University, CA (5/1/2019)
- The Henry J. Kaiser Family Foundation Award for Excellence in Clinical Teaching, Stanford University School of Medicine (6/10/2015)
- Save of the Month, Stanford University Emergency Medicine (9/2013)
- Chief fellow, Critical Care Medicine, Stanford University, CA (7/2008-6/2009)
- Co-chief resident, combined internal/emergency medicine residency program, U. of Maryland, MD (7/2006-6/2007)
- Distinguished Service Award, University of Maryland Emergency Medicine, MD (7/2006-6/2007)
- Distinguished Service Award, University of Maryland Emergency Medicine, MD (7/2005-6/2006)
- Consulting fellow of the year, Emergency Medicine, Stanford University, CA (6/2009)
- Robert J. Doherty Exemplary Teaching Resident Award, University of Maryland, MD (6/2007)
- Inductee of Humanism Honor Society, University of Maryland, MD (4/2007)
- Alpha Omega Alpha, University of Rochester School of Medicine, NY (10/2001)

PROFESSIONAL EDUCATION

- Residency: University of Maryland School of Medicine (2007) MD
- Fellowship: Stanford University Critical Care Medicine Fellowship (2009) CA
- B.A., Swarthmore College , Economics (1998)
- Medical Education: University of Rochester School of Medicine (2002) NY
- Board Certification: Internal Medicine, American Board of Internal Medicine (2007)
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2008)
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2009)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Critical Care, optimal resource allocations for inpatient care

Publications

PUBLICATIONS

- **Association of an Emergency Critical Care Program With Survival and Early Downgrade Among Critically Ill Medical Patients in the Emergency Department.** *Critical care medicine*
Mitarai, T., Gordon, A. J., Nudelman, M. J., Urdaneta, A. E., Nesbitt, J. L., Niknam, K., Graber-Naidich, A., Wilson, J. G., Kohn, M. A.
2023
- **ASSOCIATION BETWEEN AN EMERGENCY CRITICAL CARE PROGRAM AND DKA CRITICAL CARE UTILIZATION IN THE ED**
Gupta, P., Gordon, A., Mitarai, T., Nudelman, M., Kohn, M., Wilson, J.
LIPPINCOTT WILLIAMS & WILKINS.2023: 129
- **Selection bias in estimating the relationship between prolonged ED boarding and mortality in emergency critical care patients.** *Journal of the American College of Emergency Physicians open*
Gardner, K., Gordon, A. J., Shannon, B., Nesbitt, J., Wilson, J. G., Mitarai, T., Kohn, M. A.
2022; 3 (1): e12667
- **Natural language processing of head CT reports to identify intracranial mass effect: CTIME algorithm.** *The American journal of emergency medicine*
Gordon, A. J., Banerjee, I., Block, J., Winstead-Derlega, C., Wilson, J. G., Mitarai, T., Jarrett, M., Sanyal, J., Rubin, D. L., Wintermark, M., Kohn, M. A.
2021; 51: 388-392
- **Effect of emergency critical care nurses and emergency department boarding time on in-hospital mortality in critically ill patients.** *The American journal of emergency medicine*
Nesbitt, J., Mitarai, T., Chan, G. K., Wilson, J. G., Niknam, K., Nudelman, M. J., Cinkowski, C., Kohn, M. A.
2020; 41: 120–24
- **Critical Care Education Day: A Novel, Multidisciplinary, and Interactive Critical Care Education Session for Emergency Medicine Residents** *CUREUS*
Htet, N. N., Gordon, A., Mitarai, T.
2020; 12 (1)
- **Critical Care Education Day: A Novel, Multidisciplinary, and Interactive Critical Care Education Session for Emergency Medicine Residents.** *Cureus*
Htet, N. N., Gordon, A. J., Mitarai, T.
2020; 12 (1): e6785
- **eccSOFA: SOFA illness severity score adapted to predict in-hospital mortality in emergency critical care patients.** *The American journal of emergency medicine*
Niknam, K. n., Nesbitt, J. n., Mitarai, T. n., Nudelman, M. J., Gordon, A. J., Wilson, J. G., Kohn, M. A.
2020; 41: 145–51
- **Beyond Triage and Resuscitation: Optimizing Care for the Critically Ill Emergency Department Patient.** *Emergency medicine clinics of North America*

Greenwood, J. C., Mitarai, T.

2019; 37 (3): xv-xvi

- **Splenic Rupture Diagnosed with Bedside Ultrasound in a Patient with Shock in the Emergency Department Following Colonoscopy.** *The western journal of emergency medicine*

Mulkerin, W., Mitarai, T., Gharabaghian, L., Perera, P.

2015; 16 (5): 758-759

- **[Current status of nurse practitioners at Stanford University Medical Center].** *Nihon Geka Gakkai zasshi*

Mitarai, T.

2014; 115 (4): 226-230

- **The critical care literature 2010** *AMERICAN JOURNAL OF EMERGENCY MEDICINE*

Winters, M. E., Mitarai, T., Brady, W. J.

2012; 30 (7): 1268-1273

- **The critical care literature 2009** *AMERICAN JOURNAL OF EMERGENCY MEDICINE*

Winters, M. E., Mitarai, T., Brady, W. J.

2011; 29 (5): 554-562

PRESENTATIONS

- “Many Faces of Lactate: Not Always Severe Sepsis/Septic Shock”, Interdepartmental Grand Rounds at Kaiser SF (10/7/2011)
- “Lactate: a Blessing or a Curse?”, The CAL-AAEM Speakers Series (11/3/2011)
- “Critical Care in Emergency Department”, Bay Area Educational Event: Stanford/Highland General/University of California San Francisco Emergency Medicine Residency Joint Conference (8/22/2012)
- Challenging cases before and after endotracheal intubation. UCSF Kaiser ED ground rounds (10/7/2014)
- High risk pulmonary embolism, 38th Annual Emergency Medicine Conference in Yosemite, American College of Emergency Physicians California chapter (1/16/2015)
- High Risk Pulmonary Embolism, CEP America Spring Symposium - Valley Medical Center ED faculty group (April 8, 2014)
- Myocardial Infarction The Story the Textbooks Don't Teach, ACEP/SEMPA Emergency Medicine Academy Phase 1 – Essentials (4/10/2015)
- Congestive Heart Failure: Winning at Failure, ACEP/SEMPA Emergency Medicine Academy Phase 1 – Essentials (4/10/2015)
- 12 Lead ECG Findings That You Must Know, ACEP/SEMPA Emergency Medicine Academy Phase 1 – Essentials (April 10, 2015)
- Prevention and Treatment of Decompensation from Endotracheal Intubation & Mechanical Ventilation, 39th Annual Emergency Medicine Conference in Yosemite ACEP California Chapter (1/15/2016)