Stanford



Tony Wang

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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Bio

BIO

Tony Wang is a Clinical Assistant Professor in the Department of Anesthesiology, Perioperative, and Pain Medicine at Stanford University School of Medicine. He is a board-certified anesthesiologist and intensivist with clinical expertise in critical care medicine and liver transplant anesthesiology.

Dr. Wang completed his medical school training, anesthesiology residency, and critical care fellowship at the Johns Hopkins School of Medicine. Dr. Wang is deeply committed to medical education and academic innovation. He serves as the Associate Program Director for the Liver Transplant Anesthesiology Fellowship and is the founding director of Stanford's Anesthesiology Critical Care Education for Leaders (ACCEL) program. He is also Director of Residency Engagement for WikiAnesthesia, a comprehensive digital platform designed to serve as an open-access repository of anesthesia knowledge for trainees and practitioners.

Prior to medicine, Dr. Wang worked as a software engineer at Epic Systems, where he developed an appreciation for the intersection of technology and healthcare delivery.

His clinical interests include the perioperative management of complex patients, liver transplant anesthesiology, critical care medicine, and the integration of technology into anesthesiology education.

CLINICAL FOCUS

- Anesthesia
- Liver transplant anesthesiology
- Critical Care Medicine
- Perioperative Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Associate Program Director, Advanced Clinical Experience in Liver Transplant Anesthesiology, Department of Anesthesiology, Perioperative and Pain Medicine, (2026- present)

PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, American Board of Anesthesiology (2025)
- Fellowship: Johns Hopkins University Adult Critical Care Medicine Program (2025) MD
- Residency: Johns Hopkins Anesthesiology Residency (2024) MD
- Internship: University of Maryland Mercy Medical Center (2021) MD
- Medical Education: Johns Hopkins University School of Medicine (2020) MD

Publications

PUBLICATIONS

- **Impact of Point-of-Care Ultrasound on Clinical Decision-Making During Common Critical Care Scenarios: Linking Educational Gaps to Clinical Practice.** *Journal of clinical ultrasound : JCU*
  Cha, S., Wang, T. Y., Alrayashi, W., Jung, Y. H., Pope, C. L., Pustavoitau, A.
  2026
- **Shifts in Students' Attitudes Towards Pain Patients, Pain, and Opioid Management Following a Dedicated Medical School Pain Curriculum.** *Journal of pain research*
  Durbhakula, S., Wang, T. Y., Segna, K. G., Limerick, G. R., Broachwala, M. Y., Schatman, M. E., Zaidi, M. A., Siddarthan, I. J., Toy, S.
  2024; 17: 827-835
- **WikiAnesthesia: A Crowd-sourced Anesthesia Knowledge Repository**
  Sutton, O., Wang, T. Y., Larson, B. J., Nguyen, T., Rishel, C. A.
  LIPPINCOTT WILLIAMS & WILKINS.2023: 48
- **WikiAnesthesia Practice Groups: A Solution for Sharing Institutional Anesthesia Knowledge**
  Wang, T. Y., Sutton, O. M., Chandrasekar, E. K., Larson, B. J., Nguyen, T., Rishel, C. A.
  LIPPINCOTT WILLIAMS & WILKINS.2023: 71
- **Human cardiac myosin light chain 4 (MYL4) mosaic expression patterns vary by sex.** *Scientific reports*
  Wang, T. Y., Arking, D. E., Maleszewski, J. J., Fox-Talbot, K., Nieuwenhuis, T. O., Santhanam, L., Virmani, R., Rosenberg, A. Z., Halushka, M. K.
  2019; 9 (1): 12681
- **Cardiomyocytes have mosaic patterns of protein expression.** *Cardiovascular pathology : the official journal of the Society for Cardiovascular Pathology*
  Wang, T. Y., Lee, D., Fox-Talbot, K., Arking, D. E., Chakravarti, A., Halushka, M. K.
  2018; 34: 50-57
- **Mouse models of gallstone disease.** *Current opinion in gastroenterology*
  Wang, T. Y., Portincasa, P., Liu, M., Tso, P., Wang, D. Q.
  2018; 34 (2): 59-70
- **Estrogen induces two distinct cholesterol crystallization pathways by activating ERα and GPR30 in female mice.** *Journal of lipid research*
  de Bari, O., Wang, T. Y., Liu, M., Portincasa, P., Wang, D. Q.
  2015; 56 (9): 1691-700
- **Cholesterol cholelithiasis in pregnant women: pathogenesis, prevention and treatment.** *Annals of hepatology*
  de Bari, O., Wang, T. Y., Liu, M., Paik, C. N., Portincasa, P., Wang, D. Q.
  2014; 13 (6): 728-45
- **New insights into the molecular mechanism of intestinal fatty acid absorption.** *European journal of clinical investigation*
  Wang, T. Y., Liu, M., Portincasa, P., Wang, D. Q.

2013; 43 (11): 1203-23