Stanford



Michael Chen

- Clinical Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Professor (By courtesy), Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine Pediatric Anesthesiology**

  453 Quarry Rd

  MC 5663

  Stanford, CA 94305

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

Bio

CLINICAL FOCUS

- Anesthesia, Pediatric
- Mobile (In-situ) simulation
- Global Healthcare
- Pharmeceuticals
- Pediatric Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Professor (By courtesy), Neurosurgery

ADMINISTRATIVE APPOINTMENTS

- Chair, OR Medication Safety Committee, (2015- present)
- Co-Medical Director and Co-Founder, REVIVE, (2015-2017)
- Director, Stanford Children's Joint Venture Simulation, REVIVE, (2017- present)
- Executive Co-Director, Solutions @StanfordMedicine, (2018- present)
- Co-Chair of Pharmacy & Therapeutics Committee, Stanford Children's, (2010- present)
- Director, Pediatric Neuroanesthesia, (2008- present)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2025)
- Medical Education: Tulane University School of Medicine (1995) LA
- Residency: Stanford University Anesthesiology Residency (2001) CA

- Internship: University of Hawaii General Surgery Residency (1997) HI
- Board Certification: Anesthesia, American Board of Anesthesiology (2002)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Favipiravir for treatment of outpatients with asymptomatic or uncomplicated COVID-19: a double-blind randomized, placebo-controlled, phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
  Holubar, M., Subramanian, A., Purington, N., Hedlin, H., Bunning, B., Walter, K. S., Bonilla, H., Boumis, A., Chen, M., Clinton, K., Dewhurst, L., Epstein, C., Jagannathan, et al
  2022
- **A Pilot Quality Improvement Project to Reduce Intraoperative MRI Hypothermia in Neurosurgical Patients.** *Pediatric quality & safety*
  Wong, B. J., Rama, A., Caruso, T. J., Lee, C. K., Wang, E., Chen, M.
  2022; 7 (2): e531
- **Anesthesia for the Pediatric Patient With Epilepsy and Minimally Invasive Surgery for Epilepsy** *CURRENT ANESTHESIOLOGY REPORTS*
  Wong, B. J., Agarwal, R., Chen, M. I.
  2021
- **Near Miss in Intraoperative Magnetic Resonance Imaging: A Case for In Situ Simulation.** *Pediatric quality & safety*
  Rama, A., Knight, L. J., Berg, M., Chen, M., Gonzales, R., Delhagen, T., Copperman, L., Caruso, T. J.
  2019; 4 (6): e222
- **Operating Room Codes Redefined: A Highly Reliable Model Integrating the Core Hospital Code Team.** *Pediatric quality & safety*
  Caruso, T. J., Rama, A. n., Knight, L. J., Gonzales, R. n., Munshey, F. n., Darling, C. n., Chen, M. n., Sharek, P. J.
  2019; 4 (3): e172
- **Small-Volume Injections: Evaluation of Volume Administration Deviation From Intended Injection Volumes.** *Anesthesia and analgesia*
  Muffly, M. K., Chen, M. I., Claure, R. E., Drover, D. R., Efron, B., Fitch, W. L., Hammer, G. B.
  2017
- **Small-Volume Injections: Evaluation of Volume Administration Deviation From Intended Injection Volumes.** *Anesthesia and analgesia*
  Muffly, M. K., Chen, M. I., Claure, R. E., Drover, D. R., Efron, B., Fitch, W. L., Hammer, G. B.
  2017
- **Affordable Simulation for Small-Scale Training and Assessment** *SIMULATION IN HEALTHCARE*
  Edler, A. A., Chen, M., Honkanen, A., Hackel, A., Golianu, B.
  2010; 5 (2): 112-115
- **Determination of the pharmacodynamic interaction of propofol and dexmedetomidine during esophagogastroduodenoscopy in children** *PEDIATRIC ANESTHESIA*
  Hammer, G. B., Sam, W. J., Chen, M. I., Golianu, B., Drover, D. R.
  2009; 19 (2): 138-144
- **Patient simulation: a literary synthesis of assessment tools in anesthesiology.** *Journal of educational evaluation for health professions*
  Edler, A. A., Fanning, R. G., Chen, M. I., Claure, R., Almazan, D., Struyk, B., Seiden, S. C.
  2009; 6: 3-?
- **Scenario and checklist for airway rescue during pediatric sedation.** *Simulation in healthcare*
  Chen, M. I., Edler, A., Wald, S., Dubois, J., Huang, Y. M.
  2007; 2 (3): 194-198

- **Flexor tendon suture methods: A quantitative analysis of suture material within the repair site** *ORTHOPEDICS*
  Norris, S. R., Ellis, F. D., Chen, M. I., Seller, J. C.
  1999; 22 (4): 413-416

- **1995 Volvo Award in basic sciences. The use of an osteoinductive growth factor for lumbar spinal fusion. Part I: Biology of spinal fusion.** *Spine*
  Boden, S. D., Schimandle, J. H., Hutton, W. C., Chen, M. I.
  1995; 20 (24): 2626-2632