

# Stanford

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## Ellen Wang

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

### CLINICAL OFFICES

- **Anesthesia Department**

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### Bio

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### BIO

Ellen Wang, MD is a Clinical Associate Professor of Pediatric Anesthesiology and Medical Director of Clinical Informatics for Perioperative Services at Lucile Packard Children's Hospital Stanford. She is board-certified in Pediatric Anesthesiology and Clinical Informatics, with particular emphasis on EHR enhancement and optimization projects that support surgical, nursing, and pediatric and obstetric anesthesia workflows. She is also Chief of Operations of the Stanford Chariot Program, combining her interest in clinical care, process improvement, data analytics and research with virtual/augmented reality technologies to advance and evolve standards in patient care.

### CLINICAL FOCUS

- Anesthesia
- Pediatric Anesthesiology
- Clinical Informatics
- Immersive Technologies

### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

### ADMINISTRATIVE APPOINTMENTS

- Medical Director of Clinical Informatics, Perioperative Services, Information Services, Stanford Children's Health, (2012- present)

### PROFESSIONAL EDUCATION

- Fellowship: Stanford University Anesthesiology Residency (2012) CA
- Board Certification: Clinical Informatics (2017)N/A
- Board Certification, Clinical Informatics , American Board of Preventative Medicine (2017)
- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2013)
- Residency: UCLA (2007) CA

- Medical Education: University of California San Francisco (2003) CA
- Board Certification: Anesthesia, American Board of Anesthesiology (2008)
- Fellowship: Children's Hospital Boston (2008) MA
- Internship: Alameda County Medical Center (2004) CA

## LINKS

- Stanford Chariot Program: <http://chariot.stanford.edu/>
- SUPRA Stanford University Pediatric Regional Anesthesia: <http://supra.stanford.edu/>
- Pediatric Anesthesia Division: <http://med.stanford.edu/pedsanesthesia.html>

## Research & Scholarship

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### CLINICAL TRIALS

- Transnasal Humidified Rapid-Insufflation Ventilatory Exchange (THRIVE) Use in Pediatric Procedures, Recruiting

## Publications

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### PUBLICATIONS

- **A multifaceted quality improvement project improves intraoperative redosing of surgical antimicrobial prophylaxis during pediatric surgery** *PEDIATRIC ANESTHESIA*  
Colletti, A. A., Wang, E., Marquez, J. L., Schwenk, H. T., Yeverino, C., Sharek, P. J., Caruso, T. J.  
2019; 29 (7): 705–11
- **Differential Lung Ventilation Using a Bronchial Blocker in a Pediatric Patient on Extracorporeal Membrane Oxygenation: A Case Report.** *A&A practice*  
Bhargava, V., Arastu, A., Darling, C., Wang, E., Kache, S.  
2019
- **Association Between Race and Ethnicity in the Delivery of Regional Anesthesia for Pediatric Patients: A Single-Center Study of 3189 Regional Anesthetics in 25,664 Surgeries.** *Anesthesia and analgesia*  
King, M. R., De Souza, E., Rosenbloom, J. M., Wang, E., Anderson, T. A.  
2019
- **DIFFERENTIAL LUNG VENTILATION IN A PEDIATRIC PATIENT ON ECMO USING A BRONCHIAL BLOCKER**  
Bhargava, V., Arastu, A., Darling, C., Wang, E., Kache, S.  
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Anesthesiologist Surgery Assignments Using Policy Learning**  
Ward, A., Zhou, Z., Bambos, N., Scheinker, D., Wang, E., IEEE  
IEEE.2019
- **A multifaceted quality improvement project improves intraoperative redosing of surgical antimicrobial prophylaxis during pediatric surgery.** *Paediatric anaesthesia*  
Colletti, A. A., Wang, E., Marquez, J. L., Schwenk, H. T., Yeverino, C., Sharek, P. J., Caruso, T. J.  
2019
- **Programmed Intermittent Bolus Regimen for Erector Spinae Plane Blocks in Children: A Retrospective Review of a Single-Institution Experience.** *Anesthesia and analgesia*  
Munshay, F., Caruso, T. J., Wang, E. Y., Tsui, B. C.  
2018
- **A Retrospective Review of a Bed-mounted Projection System for Managing Pediatric Preoperative Anxiety.** *Pediatric quality & safety*  
Caruso, T. J., Tsui, J. H., Wang, E., Scheinker, D., Sharek, P. J., Cunningham, C., Rodriguez, S. T.  
2018; 3 (4): e087

- **A RETROSPECTIVE COHORT STUDY OF PREDICTORS AND INTERVENTIONS THAT INFLUENCE COOPERATION WITH PEDIATRIC ANESTHESIA MASK INDUCTION**  
Caruso, T., O'Connell, C., Wang, E., Rodriguez, S., Darling, C., Caruso, J., Tsui, B.  
LIPPINCOTT WILLIAMS & WILKINS.2018: 502-3
- **THE INCIDENCE OF DESATURATION DURING MICROLARYNGOSCOPY AND BRONCHOSCOPY: A QUALITY CONTROL REVIEW**  
Caruso, T., Tsui, B., Wang, E., Darling, C., Sidell, D.  
LIPPINCOTT WILLIAMS & WILKINS.2018: 572
- **Intraoperative antibiotic redosing compliance and the extended postoperative recovery period: often overlooked areas that may reduce surgical site infections.** *Paediatric anaesthesia*  
Caruso, T. J., Wang, E., Colletti, A. A., Sharek, P. J.  
2018
- **Enhancing pediatric airway safety using the electronic medical record.** *The Laryngoscope*  
Rameau, A., Wang, E., Saraswathula, A., Pageler, N., Perales, S., Sidell, D. R.  
2018
- **A Postoperative Care Bundle Reduces Surgical Site Infections in Pediatric Patients Undergoing Cardiac Surgeries.** *Joint Commission journal on quality and patient safety*  
Caruso, T. J., Wang, E. Y., Schwenk, H., Marquez, J. L., Cahn, J., Loh, L., Schaffer, J., Chen, K., Wood, M., Sharek, P. J.  
2018
- **A quality improvement initiative to optimize dosing of surgical antimicrobial prophylaxis.** *Paediatric anaesthesia*  
Caruso, T. J., Wang, E., Schwenk, H. T., Scheinker, D., Yeverino, C., Tweedy, M., Maheru, M., Sharek, P. J.  
2017; 27 (7): 702-710
- **A Novel Bed-Mounted Projection System is as Effective as Pharmacologic Modalities to Treat Pediatric Preoperative Anxiety**  
Caruso, T. J., Rodriguez, S., Wang, E., Terajewicz, A., Brockington, D., Cunningham, C., Sharek, P. J., Marquez, J.  
LIPPINCOTT WILLIAMS & WILKINS.2017: 23-25