



Stephanie Jiaying Pan

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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Bio

BIO

Stephanie Pan, MD, is a Clinical Associate Professor at the Stanford University School of Medicine and a pediatric and regional anesthesiologist at the Lucile Packard Children's Hospital. As the Associate Clinical Director for the pediatric anesthesiology division at Stanford, she is also a Local Mentor for the ASA Diagnostic POCUS Certificate Program, vice chair of POCUS for the SPA-SPPM UlTRA POCUS SIG, and recipient of the ASRA Early-Stage Investigator Grant. Her clinical interests include perioperative methadone, pediatric regional anesthesia, pediatric POCUS, and pediatric orthopedic spine surgeries.

CLINICAL FOCUS

- Pediatric Anesthesiology
- Regional Anesthesiology
- Pediatric Regional Anesthesiology
- Perioperative Point of Care Ultrasound (POCUS)

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Medical Education: Dartmouth Geisel School of Medicine (2013) NH
- Board Certification: Pediatric Anesthesiology, American Board of Anesthesiology (2018)
- Residency: University of Washington Dept of Anesthesiology (2017) WA
- Fellowship: UPMC Hospital Regional Anesthesiology Fellowship (2019) PA
- Board Certification: Anesthesia, American Board of Anesthesiology (2018)
- Fellowship: UPMC Children's Hospital of Pittsburgh Pediatric Anesthesiology (2018) PA

Research & Scholarship

CLINICAL TRIALS

- Dexmedetomidine Use in SZMN Blocks for Pediatric T&A Pain Control, Recruiting

Publications

PUBLICATIONS

- **Effect of Regional Anesthesia on Recovery Outcomes After Pediatric Renal Transplantation: A Retrospective Study.** *Pediatric transplantation*
Polsunas, L., Mendoza, J., Ramamurthi, R. J., Gallo, A., Maestretti, L., Pan, S.
2026; 30 (5): e70348
- **Response.** *Anesthesia and analgesia*
Pan, S. J., De Souza, E., Anderson, T. A.
2025
- **Intraoperative Methadone Versus Other Opioids: A Retrospective Review of Postoperative Outcomes in Pediatric Surgeries.** *Anesthesia and analgesia*
Pan, S. J., De Souza, E., Anderson, T. A.
2025
- **A Comprehensive Update on Intraoperative Methadone Use.** *Anesthesiology*
Xie, J., Pan, S. J., Anderson, T. A.
2025
- **Regional anesthesia for head and neck neurosurgical procedures: a narrative review in adult and pediatric patients.** *International anesthesiology clinics*
Pochebyt, M., Herron, S. M., Pan, S. J., Burbridge, M., Bombardieri, A. M.
2024; 62 (1): 10-20
- **Perioperative Methadone: Perilous or Pain Panacea?** *Anesthesia and analgesia*
Pan, S., Anderson, T. A.
2023; 137 (1): 72-75
- **Neonatal and paediatric point-of-care ultrasound review.** *Australasian journal of ultrasound in medicine*
Pan, S., Lin, C., Tsui, B. C.
2023; 26 (1): 46-58
- **The effect of intraoperative lidocaine administration in a disrupted erector spinae fascial plane on intercostal transcranial motor evoked potentials.** *Journal of clinical anesthesia*
Pan, S. J., Vorhies, J. S., Lee, L. H., López, J. R., Tsui, B. C.
2022; 82: 110956
- **Suprazygomatic infratemporal pterygopalatine fossa block with adjuvant low-dose dexmedetomidine for adenotonsillectomy.** *Canadian journal of anaesthesia = Journal canadien d'anesthésie*
Zoghbi, V., Okonski, F., Pan, S., Lin, C., Balakrishnan, K., Tsui, B. C.
1800
- **Systemic lidocaine absorption from continuous erector spinae plane catheters after paediatric posterior spine fusion surgery.** *Regional anesthesia and pain medicine*
Pan, S., Lee, C. K., Caruso, T. J., Vorhies, J. S., Tsui, B. C.
2022
- **Opioid-Free Postoperative Pain Management After Adenotonsillectomy With Nasal Turbinate Reduction Using Bilateral Suprazygomatic Infratemporal-Pterygopalatine Fossa Injections: A Case Report.** *A&A practice*
Lin, C., Pan, S., Barros, V. R., Meister, K., Tsui, B. C.
2021; 15 (8): e01502

- **Opioid-Free Tonsillectomy With and Without Adenoidectomy: The Role of Regional Anesthesia in the "New Era".** *Anesthesia and analgesia*
Tsui, B. C., Pan, S., Smith, L., Lin, C., Balakrishnan, K.
2021; 133 (1): e7-e9
- **Suprazygomatic maxillary (SZM) nerve blocks for perioperative pain control in pediatric tonsillectomy and adenoidectomy.** *Journal of clinical anesthesia*
Smith, L., Balakrishnan, K., Pan, S., Tsui, B. C.
2021; 71: 110240
- **Alternating Side Programmed Intermittent Repeated (ASPIRe) Bolus Regimen for Delivering Local Anesthetic via Bilateral Interfascial Plane Catheters.** *Journal of cardiothoracic and vascular anesthesia*
Tsui, B. C., Brodt, J., Pan, S., Caruso, T. J., Kim, R., Horn, J. L., Boublik, J., Tsui, J. H.
2021
- **Transesophageal probe placement increases endotracheal tube cuff pressure but is not associated with postoperative extubation failure after congenital cardiac surgery.** *Annals of cardiac anaesthesia*
Pan, S. J., Frabitore, S. Z., Ingram, A. R., Nguyen, K. N., Adams, P. S.
2020; 23 (4): 447-452
- **Distanced-based dynamic behaviour of aerosol particles during aerosol-generating medical procedures.** *British journal of anaesthesia*
Tsui, B. C., Pan, S.
2020
- **Droplet evacuation strategy for simulated coughing during aerosol-generating procedures in COVID-19 patients.** *British journal of anaesthesia*
Tsui, B. C., Deng, A., Lin, C., Okonski, F., Pan, S.
2020
- **COVID-19: Epidemiological factors during aerosol generating medical procedures.** *Anesthesia and analgesia*
Tsui, B. C., Deng, A., Pan, S.
2020
- **Are aerosol-generating procedures safer in an airborne infection isolation room or operating room?** *British journal of anaesthesia*
Tsui, B. C., Pan, S. n.
2020
- **Quadratus lumborum blocks: Two cases of associated hematoma.** *Paediatric anaesthesia*
Visoiu, M., Pan, S.
2019; 29 (3): 286-288
- **Immune responses in infants whose mothers received Tdap vaccine during pregnancy.** *The Pediatric infectious disease journal*
Hardy-Fairbanks, A. J., Pan, S. J., Decker, M. D., Johnson, D. R., Greenberg, D. P., Kirkland, K. B., Talbot, E. A., Bernstein, H. H.
2013; 32 (11): 1257-60