



James Xie

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Associate Professor, Clinical Informatics

CLINICAL OFFICE (PRIMARY)

- **Anesthesia**

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Bio

BIO

Dr. James Xie is a board certified pediatrician, pediatric anesthesiologist, and clinical informaticist at Stanford University School of Medicine. His goal is to improve patient care and promote health equity with health information technologies. Currently he serves as a clinical informaticist and Epic physician builder at Stanford Medicine Children's Health. He holds additional appointments in the Division of Obstetric Anesthesiology and Maternal Health and Division of Clinical Informatics.

Dr. Xie studied computer science and medicine at Stanford University, followed by a combined residency in general pediatrics at Boston Children's Hospital and Boston Medical Center and anesthesiology at Brigham and Women's Hospital. After residency, he completed a fellowship in pediatric anesthesiology at Stanford Children's Health where he subsequently joined the faculty.

CLINICAL FOCUS

- Clinical Informatics
- Pediatrics
- Pediatric Anesthesia
- Obstetric Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Associate Professor, Clinical Informatics

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2021)
- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2025)
- Board Certification: Anesthesia, American Board of Anesthesiology (2021)

- Board Certification: Pediatrics, American Board of Pediatrics (2019)
- Fellowship: Stanford University Pediatric Anesthesia Fellowship (2020) CA
- Residency, Boston Combined Residency Program in General Pediatrics , MA (2019)
- Residency: Brigham and Women's Hospital Anesthesiology Residency (2019) MA
- Medical Education: Stanford University School of Medicine (2014) CA
- BS, Stanford University , Computer Science (2010)

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Marina Faragalla

Publications

PUBLICATIONS

- **Prevailing Language Discordance is associated with Worse Post-operative Outcomes in Adult Cardiac Surgical Patients**
Cain, M., McMullen, H., Pines, K., Shields, L., Xie, J., Sun, L., Martin, B.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **A Comprehensive Update on Intraoperative Methadone Use.** *Anesthesiology*
Xie, J., Pan, S. J., Anderson, T. A.
2025
- **Patient Perspectives on Accessing, Understanding, and Using Their Anesthetic Records: A Qualitative Study.** *Anesthesia and analgesia*
Shi, J., Xie, J., Schmiesing, C., Wang, E. Y., Gessner, D. M.
2025
- **Sharing Anesthetic Records with Patients: An Opportunity to Embrace Transparency.** *Anesthesiology*
Xie, J., Gessner, D., Ramaswamy, P., Tan, J. M., Guffey, P., Gálvez Delgado, J., Lonsdale, H., Kato, M., Taicher, B. M., Zhang, D. A., Wecksell, M., Asher, D., Simpaio, et al
2025; 142 (5): 950-951
- **Uterine tone numeric rating score as an early indicator of major postpartum hemorrhage during cesarean delivery: A prospective observational study.** *Anesthesiology*
Koons, N. J., Stanwyck, C., Xie, J. J., Michel, G., Lyell, D. J., Carvalho, B., Bateman, B. T., Ansari, J. R.
2025
- **Integrating Medical Acupuncture Education into the Curriculum for Medical Students at Stanford University.** *Medical acupuncture*
Xie, J., Golianu, B., Loo, M., Lin, Y. C.
2025; 37 (1): 21-24
- **Integrating Medical Acupuncture Education into the Curriculum for Medical Students at Stanford University** *MEDICAL ACUPUNCTURE*
Xie, J., Golianu, B., Loo, M., Lin, Y.
2025
- **Understanding Pediatric Anesthesiology Fellowship Interest: A National Survey of the Resident Experience.** *Paediatric anaesthesia*
Carullo, P., Khan, S., Nause-Osthoff, R., Gupta, R., Xie, J., Azamfirei, R., Tran, L., Wang, T.
2024
- **21st Century Cures Act and Information Blocking: How Have Different Specialties Responded?** *Journal of medical systems*
Xiong, A., Xie, J.
2024; 48 (1): 108

- **Artificial Intelligence in Perioperative Care: Opportunities and Challenges.** *Anesthesiology*
Han, L., Char, D. S., Aghaeepour, N.
2024; 141 (2): 379-387
- **A Graphical Interface to Support Low-Flow Volatile Anesthesia: Implications for Patient Safety, Teaching, and Design of Anesthesia Information Management Systems.** *Journal of medical systems*
Xie, J., Jablonski, M., Smith, J., Navedo, A.
2024; 48 (1): 36
- **Perioperative Regional Anesthesia Pain Outcomes in Children: A Retrospective Study of 3,160 Regional Anesthetics in Routine Practice.** *The Clinical journal of pain*
Xie, J., De Souza, E., Perez, F., Suárez-Nieto, M. V., Wang, E., Anderson, T. A.
2023
- **Effect of an electronic medical record nudge to improve quality improvement program tracking of neuraxial catheter replacements in obstetric patients.** *BMJ open quality*
Fedoruk, K., Xie, J., Wang, E., Fowler, C., Riley, E., Carvalho, B.
2023; 12 (4)
- **Unintentional Pediatric Ingestion of Cannabis-Addressing a Growing Public Health Risk.** *JAMA pediatrics*
Tobin, T., Xie, J., George, K.
2023
- **Benefits and challenges of combined pediatrics-anesthesiology residency programs: A qualitative study.** *Paediatric anaesthesia*
Nguyen, C., Xie, J., Brandford, E., Wang, T., Rassbach, C. E.
2023
- **Adolescent Privacy and the Electronic Health Record - Creating a Guardrail System to Ensure Appropriate Activation of Adolescent Portal Accounts.** *Applied clinical informatics*
Xie, J., Hogan, A., McPherson, T., Pageler, N., Lee, T. C., Carlson, J.
2023
- **Paging the Clinical Informatics Community: Respond STAT to Dobbs v Jackson's Women's Health Organization.** *Applied clinical informatics*
Arvais-Anhalt, S., Ravi, A., Weia, B., Aarts, J., Ahmad, H. B., Araj, E., Bauml, J. A., Benham-Hutchins, M., Boyd, A. D., Brecht-Doscher, A., Butler-Henderson, K., Butte, A., Cardillo, et al
2022
- **National Survey of Combined Pediatrics-Anesthesiology Residents and Graduates: Factors Contributing to Changing Career Aspirations Over Time.** *Anesthesia and analgesia*
Liu, J., Jackson, S. S., Xie, J., Rowland, M. J., Michelson, C. D.
2022
- **Keeping an Open Mind About Open Notes: Sharing Anesthesia Records With Patients.** *Anesthesia and analgesia*
Ramaswamy, P., Xie, J., Marsiglio, A. M., Burgart, A. M., Schmiesing, C. A., Cohen, N. H., Robinowitz, D. L., Wang, E.
2022; 135 (4): 697-703
- **Iatrogenic Pediatric Pneumothorax: Comment.** *Anesthesiology*
Xie, J., Ramamurthi, R. J.
2022
- **Association of Race and Ethnicity with Pediatric Postoperative Pain Outcomes.** *Journal of racial and ethnic health disparities*
Rosenbloom, J. M., De Souza, E., Perez, F. D., Xie, J., Suarez-Nieto, M. V., Wang, E., Anderson, T. A.
2022
- **Anesthesia Machine Oxygen Analyzer Error Margins**
Xie, J., Ramamurthi, R. J.
LIPPINCOTT WILLIAMS & WILKINS.2022: 53
- **Visualizing Opioid-Use Variation in a Pediatric Perioperative Dashboard.** *Applied clinical informatics*
Safranek, C. W., Feitzinger, L., Joyner, A. K., Woo, N., Smith, V., Souza, E. D., Vasilakis, C., Anderson, T. A., Fehr, J., Shin, A. Y., Scheinker, D., Wang, E., Xie, et al

2022; 13 (2): 370-379

- **Content Evaluation of Residency Websites for All 159 Anesthesiology ACGME Programs in the USA.** *The journal of education in perioperative medicine : JEPM*
Cohen, S. A., Cohen, L. E., Perez, F. D., Macario, A., Xie, J.
2022; 24 (1): E683
- **Ensuring Adolescent Patient Portal Confidentiality in the Age of the Cures Act Final Rule.** *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*
Xie, J., McPherson, T., Powell, A., Fong, P., Hogan, A., Ip, W., Morse, K., Carlson, J. L., Lee, T., Pageler, N.
2021
- **Assessment of Prevalence of Adolescent Patient Portal Account Access by Guardians.** *JAMA network open*
Ip, W., Yang, S., Parker, J., Powell, A., Xie, J., Morse, K., Aikens, R. C., Lee, J., Gill, M., Vundavalli, S., Huang, Y., Huang, J., Chen, et al
2021; 4 (9): e2124733
- **Association between regional anesthesia and analgesic outcomes: a single-center retrospective study of 2,761 pediatric regional anesthetics**
Xie, J. J., De Souza, B., Perez, F. D., Suarez-Nieto, M. V., Wang, E., Anderson, T. A.
LIPPINCOTT WILLIAMS & WILKINS.2021: 934-936
- **Pediatric Subspecialty Adoption of Telemedicine Amidst the COVID-19 Pandemic: An Early Descriptive Analysis.** *Frontiers in pediatrics*
Xie, J., Prahalad, P., Lee, T. C., Stevens, L. A., Meister, K. D.
2021; 9: 648631
- **Comparison of regional analgesia techniques for pleurodesis pain in pediatric patients** *PEDIATRIC ANESTHESIA*
Xie, J., Mooney, D. P., Cravero, J.
2020
- **Association between regional anesthesia and analgesic outcomes: a single-center retrospective study of 2038 pediatric regional anesthetics**
Xie, J. J., De Souza, B., Wang, E., Anderson, T. A.
LIPPINCOTT WILLIAMS & WILKINS.2020: 862-63
- **Direct activation of G-protein-gated inward rectifying K⁺ channels promotes nonrapid eye movement sleep.** *Sleep*
Zou, B., Cao, W. S., Guan, Z., Xiao, K., Pascual, C., Xie, J., Zhang, J., Xie, J., Kayser, F., Lindsley, C. W., Weaver, C. D., Fang, J., Xie, et al
2019; 42 (3)
- **Analgesic Microneedle Patch for Neuropathic Pain Therapy** *ACS NANO*
Xie, X., Pascual, C., Lieu, C., Oh, S., Wang, J., Zou, B., Xie, J., Li, Z., Xie, J., Yeomans, D. C., Wu, M. X., Xie, X. S.
2017; 11 (1): 395-406
- **Up to Speed: A Role for Trainees in Advancing Health Information Technology.** *Pediatrics*
Xie, J.
2015; 136 (3): 412-4
- **Galvanizing medical students in the administration of influenza vaccines: the Stanford Flu Crew.** *Advances in medical education and practice*
Rizal, R. E., Mediratta, R. P., Xie, J., Kambhampati, S., Hills-Evans, K., Montacute, T., Zhang, M., Zaw, C., He, J., Sanchez, M., Pischel, L.
2015; 6: 471-477
- **Characteristics and Direct Costs of Academic Pediatric Subspecialty Outpatient No-Show Events** *JOURNAL FOR HEALTHCARE QUALITY*
Perez, F. D., Xie, J., Sin, A., Tsai, R., Sanders, L., Cox, K., Haberland, C. A., Park, K. T.
2014; 36 (4): 32-42
- **Hypocretin/Orexin Neurons Contribute to Hippocampus-Dependent Social Memory and Synaptic Plasticity in Mice** *JOURNAL OF NEUROSCIENCE*
Yang, L., Zou, B., Xiong, X., Pascual, C., Xie, J., Malik, A., Xie, J., Sakurai, T., Xie, X. (.
2013; 33 (12): 5275-?
- **Rodent motor and neuropsychological behaviour measured in home cages using the integrated modular platform SmartCage (TM)** *CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY*

Khroyan, T. V., Zhang, J., Yang, L., Zou, B., Xie, J., Pascual, C., Malik, A., Xie, J., Zaveri, N. T., Vazquez, J., Polgar, W., Toll, L., Fang, et al
2012; 39 (7): 614-622

- **Electrophysiological outcomes after spinal cord injury** *NEUROSURGICAL FOCUS*

Xie, J., Boakye, M.

2008; 25 (5)