



Zoel A. Quiñónez

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia**

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Bio

CLINICAL FOCUS

- Pediatric Cardiovascular Anesthesia
- Pediatric Anesthesia

ACADEMIC APPOINTMENTS

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

PROFESSIONAL EDUCATION

- MPH, UC Berkeley School of Public Health , Epidemiology and Biostatistics (2022)
- Fellowship: Lucile Packard Children's Hospital at Stanford University Medical Center (2014) CA
- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2013)
- Board Certification: Anesthesia, American Board of Anesthesiology (2013)
- Fellowship: Stanford University Pediatric Anesthesia Fellowship (2013) CA
- Residency: UC Davis Medical Center (2012) CA
- Internship: UCSF Dept of General Surgery (2009) CA
- Medical Education: University of California at San Francisco School of Medicine (2008) CA

Publications

PUBLICATIONS

- **Towards a Community-Driven Framework to Promote Justice for Agricultural Workers.** *Journal of agromedicine*
Díaz, L. M., Quiñónez, Z. A.
2026: 1-2
- **Access to pediatric extracorporeal membrane oxygenation: a geospatial analysis of the racial/ethnic composition of areas with and without access.** *International journal for equity in health*

- Quinonez, Z. A., Ryan, K., Margetson, T. D., Grosvenor, E., Smith, C. D., Diaz, L. M., Benitez-Melo, A., Hollander, S., Char, D.
2025; 24 (1): 187
- **Transforming the University into a Public Good for Environmental Justice Action: Our Experience from a Decolonial and Latinx Community-Academic Partnership** *ENVIRONMENTAL JUSTICE*
Diaz, L. M., Quinonez, Z. A., Morales, E., Soto, D.
2025
 - **Family Presence in Pediatric Cardiac Procedural Settings: A Qualitative Study of Clinicians, A Key Stakeholder Group.** *AJOB empirical bioethics*
Quinonez, Z. A., Pyke-Grimm, K. A., Kamra, S. K., Holmes, K. E., Char, D.
2025: 1-9
 - **The Hemodynamic Effects of Protamine in Pediatric Patients Undergoing Pulmonary Artery Reconstruction and Unifocalization Surgery: A Pilot Study****Hemodynamic Effects of Protamine in Children.** *Journal of cardiothoracic and vascular anesthesia*
Li, X., Fang, Z. A., Lennig, M. M., Klein, A., Char, D., Giustini, A. J., Boltz, M. G., Quiñónez, Z. A.
2024
 - **The Hemodynamic Effects of Bolus Dose Calcium in Patients Undergoing Pulmonary Artery Reconstruction and Unifocalization Surgery: A Pilot Study.** *Journal of cardiothoracic and vascular anesthesia*
Quiñónez, Z. A., Klein, A., Li, X., Lennig, M. A., Giustini, A. J., Boltz, M. G., Char, D.
2024
 - **Artificial Intelligence in Perioperative Care: Opportunities and Challenges.** *Anesthesiology*
Han, L., Char, D. S., Aghaeepour, N.
2024; 141 (2): 379-387
 - **Geospatial Analysis of the Proportion of Persons Defined as Underrepresented in Medicine for Each Medical School and Their Surrounding Core-Based Statistical Area.** *Health equity*
Quiñónez, Z. A., Benitez-Melo, A., Diaz, L. M., Lennig, M., Char, D., Smith, C.
2024; 8 (1): 132-137
 - **Case Report: Parental Separation by Proxy Using Video Conference Between Patient and Parent for Induction of Anesthesia.** *A&A practice*
Quinonez, Z. A., Brandford, E., Char, D.
2023; 17 (7): e01696
 - **In Response.** *Anesthesia and analgesia*
Quiñónez, Z. A., Pyke-Grimm, K. A., Char, D.
2023; 136 (6): e29-e30
 - **Tetralogy of Fallot** *Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management*
Vo, C. H., Bushman, G. A., Kleiman, Z. I., Quiñónez, Z. A.
Springer.2023; 2: 437–468
 - **Double Outlet Left Ventricle** *Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management*
Quiñónez, Z. A., Sinton, J. W.
Springer.2023; 2: 633-640
 - **Double Outlet Right Ventricle** *Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management*
Quiñónez, Z. A., Kleiman, Z. I.
Springer.2023; 2: 619–631
 - **Could, Should Families Watch Their Loved One's Surgeries and, If So, When?** *Anesthesia and analgesia*
Quinonez, Z. A., Pyke-Grimm, K. A., Char, D.
2022; 135 (4): 704-707
 - **Enhanced Recovery after Pediatric Congenital Heart Repair with Erector Spinae Plane Blockade: An Ongoing Prospective, Randomized Controlled Trial**
Lee, C. K., Caruso, T., Lawrence, K., Fonseca, A., Boltz, G., Quinonez, Z., Maeda, K., Tsui, B.
LIPPINCOTT WILLIAMS & WILKINS.2021: 722-724

- **Alternative to heart-lung transplantation for end-stage tetralogy of Fallot with major aortopulmonary collaterals: Simultaneous heart transplantation and pulmonary artery reconstruction.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Adamson, G. T., Profita, E. L., Quinonez, Z. A., McElhinney, D. B., Rosenthal, D. N., Ma, M. n.
2021
- **Transfusion Outcomes in Patients Undergoing Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals.** *World journal for pediatric & congenital heart surgery*
Wise-Faberowski, L. n., Irvin, M. n., Quinonez, Z. A., Long, J. n., Asija, R. n., Margetson, T. D., Hanley, F. L., McElhinney, D. B.
2020; 11 (2): 159–65
- **Developmental Physiology of the Central Nervous System** *Gregory's Pediatric Anesthesia*
Quinonez, Z. A., Easley, R. B., Bissonnette, B., Brady, K. M.
John Wiley & Sons Ltd.2020; 6: 143–63
- **Analgesia and Sedation in the Cardiac Intensive Care Unit** *Texas Children's Hospital Handbook of Congenital Heart Disease*
Achuff, B., Resheidat, A., Quinonez, Z. A., Shekerdeman, L. S.
2020: 412–426
- **Acute Postoperative Pain Management** *Case Studies in Pediatric Anesthesia*
Quiñónez, Z. A., Sinton, J. W.
Cambridge University Press.2019: 249–53
- **Transitional Circulation** *Case Studies in Pediatric Anesthesia*
Vu, E. L., Quiñónez, Z. A.
Cambridge University Press.2019: 264–68
- **Anesthetic Management During Surgery for Tetralogy of Fallot With Pulmonary Atresia and Major Aortopulmonary Collateral Arteries** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*
Quinonez, Z. A., Downey, L., Abbasi, R. K., Kuan, C., Asija, R., McElhinney, D. B., Hanley, F. L., Mainwaring, R. D., Wise-Faberowski, L.
2018; 9 (2): 236–41
- **Selected 2016 Highlights in Congenital Cardiac Anesthesia** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Resheidat, A., Quinonez, Z. A., Mossad, E. B., Wise-Faberowski, L., Mitnacht, A. J. C.
2017; 31 (6): 1927–33
- **Double-Outlet Right Ventricle** *Congenital Heart Disease in Pediatric and Adult Patients*
Quiñónez, Z. A.
Springer.2016: 671–84
- **Perioperative Pain Management in Patients with Congenital Heart Disease** *Congenital Heart Disease in Pediatric and Adult Patients*
Mónico, E. C., Quiñónez, Z. A.
Springer.2016: 871–88
- **Double-Outlet Left Ventricle** *Congenital Heart Disease in Pediatric and Adult Patients*
Quiñónez, Z. A., Sinton, J. W.
Springer.2016: 685–96
- **Effect of General Anesthesia in Infancy on Long-Term Recognition Memory in Humans and Rats** *NEUROPSYCHOPHARMACOLOGY*
Stratmann, G., Lee, J., Sall, J. W., Lee, B. H., Alvi, R. S., Shih, J., Rowe, A. M., Ramage, T. M., Chang, F. L., Alexander, T. G., Lempert, D. K., Lin, N., Siu, et al
2014; 39 (10): 2275-2287
- **Anesthesia and the developing brain: relevance to the pediatric cardiac surgery.** *Brain sciences*
Wise-Faberowski, L., Quinonez, Z. A., Hammer, G. B.
2014; 4 (2): 295-310
- **Anisocoria in a 10-month old girl in the immediate preoperative setting: can you proceed with surgery?** *Journal of biomedical research*
Quinonez, Z. A., Ravula, N. R.
2011; 25 (3): 224-226