Stanford

Ethan Jackson, M.D.

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Dept of Anesthesia**
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Bio

CLINICAL FOCUS

- Anesthesia
- Cardiothoracic Anesthesia
- Adult Congenital Heart Disease (Chief-of-Service)
- Cardio-Obstetrics (Co-Chief-of-Service with Jessica Brodt, MD)
- Mechanical Circulatory Support (ECMO, Ventricular Assist Devices, Total Artificial Heart)
- Perioperative Transesophageal Echocardiography
- Heart and Lung Transplantation
- Thoracic Aortopathies
- Pulmonary Hypertension
- Pediatric Anesthesia
- Balboa Naval Hospital (Naval Medical Center San Diego) Cardiothoracic Anesthesia Education

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

HONORS AND AWARDS

- Adult Cardiothoracic Anesthesiology Fellowship Teaching Award, Stanford University Department of Anesthesia (2024)
- Graduating Residents Teacher of the Year Award, Stanford University Department of Anesthesia (2015)
- Graduating Residents Teacher of the Year Award, Stanford University Department of Anesthesia (2011)
- Graduating Residents Teacher of the Year Award, Stanford University Department of Anesthesia (2008)
- Graduating Residents Teacher of the Year Award, Stanford University Department of Anesthesia (2004)

PROFESSIONAL EDUCATION

- Board Certification: Adult Cardiac Anesthesiology, American Board of Anesthesiology (2024)
- Board Certification, American Board of Anesthesiology , Adult Cardiac Anesthesiology (2024)
- Board Specialty Re-Certification, American Board of Anesthesiology , Pediatric Anesthesiology (2023)

- Diplomate Re-Appointment, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2021)
- Board Specialty Re-Certification, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2021)
- Board Specialty Re-Certification, American Board of Anesthesiology , Anesthesia (2020)
- Board Subspecialty Certification, American Board of Anesthesiology , Pediatric Anesthesiology (2013)
- Diplomate Re-Appointment, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2012)
- Board Specialty Re-Certification, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2012)
- Board Specialty Re-Certification, American Board of Anesthesiology , Anesthesia (2010)
- Fellowship, Stanford University Medical Center - Packard Childrens' Hospital , Pediatric Cardiothoracic Anesthesiology (2002)
- Diplomate, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2001)
- Board Certification: Advanced Perioperative Transesophageal Echocardiography, National Board of Echocardiography (2021)
- Fellowship, Stanford University Medical Center , Cardiothoracic Anesthesiology (2001)
- Board Certification, American Board of Anesthesiology , Anesthesiology (2000)
- Residency, University of California at San Francisco Medical Center , Anesthesiology (1999)
- Internship, Columbia University Medical Center , Internal Medicine (1996)
- Doctor of Medicine (M.D.), Columbia University - College of Physicians and Surgeons (1995)

COMMUNITY AND INTERNATIONAL WORK

- Women's Tennis Association (WTA) - Cardiac Anesthesia Consultant MD & On-site Tournament MD
- Association of Tennis Professionals (ATP) - Cardiac Anesthesia Consultant MD & On-site Tournament MD
- 2005,2006,2007,2008,2009,2010,2011 - Pediatric Facial-Plastic and ENT Reconstructive Surgery, Cusco, Peru
- 2006,2007 - Pediatric Facial-Plastic and ENT Reconstructive Surgery, San Salvador, El Salvador
- 2004 - Pediatric Orthopedic Surgery, Esteli, Nicaragua
- 1998 - Pediatric Anesthesia (Visiting Resident), Prague, Czech Republic

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiac Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Which To Address First? A Case of a Type A Thoracic Aortic Dissection Complicated by Ischemic Stroke** *Society of Cardiovascular Anesthesiologists Annual Meeting. Montreal, Quebec, Canada.*
  Barker, T., Jackson, E.
  2025
- **Intra-cardiac Metastatic Melanoma Resulting in Near Complete Obstruction of the Left Ventricular Cavity** *Society of Cardiovascular Anesthesiologists Annual Meeting. Montreal, Quebec, Canada.*
  Bartuska,, A., Han, L., Fielding-Singh, V., Jackson, E., Feng, T.
  2025
- **Factor Eight Inhibitor Bypass Activity use in cardiac surgery: A propensity matched analysis of safety outcomes.** *Anesthesiology*
  Nicholas, J. A., Harrison, N., Chakraborty, D., Chang, A. L., Aghaeepour, N., Wirtz, K., Nielson, E., Parsons, C., Jackson, E., Panigrahi, A. K.
  2024
- **Uncommon presentations of type A quadricuspid aortic valve in the Septuagenarian.** *Journal of cardiothoracic surgery*

Choi, P., Paulsen, M., Lin, Y., Moskalik, W., Ji, A., Jackson, E., Malik, S., Burton, E., Woo, Y. J., Burdon, T.
2024; 19 (1): 301

- **Management of Major Arterial Vascular Diseases in Pregnancy - Pulmonary Arterial Hypertension and Thoracic Aortopathies** *Obstetric Anesthesia and Uncommon Disorders*
  Jackson, E., Romfh, A., Sung, Y., Bodmer, N.
  Cambridge University Press.2024; Third Edition
- **Safety of FEIBA Administration for Cardiac Surgery. Anesthesiology (Editor's Choice Video)** *Anesthesiology. Associated with Volume 141, Issue 6: 1051-1064. doi; 10.1097/ALN.0000000000005208.*
  Nichols, J., Harrison, N., Chakraborty, D., Chang, A., Aghaeepour, N., Wirtz, K., Nielson, E., Parsons, C., Jackson, E., Panigrahi, A.
  2024
- **Anesthetic Management of Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) During Cesarean Section** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Miller, S., Jackson, E.
  2024
- **Preserving Right Ventricular Assist Device (RVAD) & Veno-Arterial Extracorporeal (VA ECMO) Mechanical Support Patency in Tenuous Decannulation Patients Using Novel Heparinized Saline Infusions - A Case Series** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Perez, R., O'Laco, K., Jackson, E.
  2024
- **Vascular Ehlers-Danlos Syndrome in Pregnancy: Anesthetic Management of High-Risk Cesarean Delivery** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Nihn, A., Jackson, E.
  2024
- **Prophylactic Use of Peripheral VA ECMO in a Patient with Compressive IVC Syndrome & Refractory Hypoxemia Undergoing Massive Left Lung Solitary Fibrous Tumor Resection** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Goodman , J., Jackson, E., Kiwakyou, L., Elliott, I., Guenthart, B.
  2024
- **The Year in Graduate Medical Education: Selected Highlights from 2022 - (1)Three-Dimensional Transesophageal Echocardiography Simulator: New Learning Tool for Advanced Imaging Techniques** *Journal of Cardiothoracic and Vascular Anesthesia*
  Patel, S., Notarianni, A., Martin, A., Tsai, A., Pulton, D., Linganna, R., Patel, P., Waldron, N., Nimma, S., Bodmer, N., Kothari, P., Jackson, E., Gupta, et al
  2023
- **Strategic Peripheral VVA ECMO Rescue for Refractory VV ECMO Hypoxemia in the Setting of Bi-Caval Stenosis** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Hermon, A., Jackson, E.
  2023
- **First-in-human Beating-Heart Transplant** *Journal of Thoracic and Cardiovascular Surgery Techniques*
  Krishnan, A., Kasinpila, P., Wang, H., Ruaengsri, C., Shudo, Y., Jackson, E., Woo, Y.
  2023
- **Strategic Mechanical Circulatory Support Cesarean Section Management of a Left Ventricular Noncompaction Cardiomyopathy Parturient in Cardiogenic Shock** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Wang, J., Jackson, E.
  2023
- **Previously Undiagnosed Congenital Cardiac Anomalies in an Adult with Trisomy 21** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Kiwakyou, L., Zeng, A., Jackson, E., Peterson, A.
  2023
- **The Year in Graduate Medical Education: Selected Highlights from 2021 - (1) Transport and Retrieval on Extracorporeal Membrane Oxygenation (ECMO): Setup and Activities of an Immersive Transport and Retrieval on ECMO Workshop & (2) Efficacy of a Point-of-Care Transthoracic Echocardiography Workshop for Medical Students** *Journal of Cardiothoracic and Vascular Anesthesia*

Patel, M., Patel, P., Martin, A., Tsai, A., Linganna, R., Ghofaily, L., Notarianni, A., Allen, W., Buric, D., Bodmer, N., Kothari, P., Jackson, E., Feinman, et al
2022

- **(Venovenous ECMO) Circuit Chatter After A Cesarean Delivery** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Ma, C., Madhok, J., Jackson, E.
  2022
- **Prolonged Venovenous Extracorporeal Membrane Oxygenation (VV ECMO) as a Bridge to Multi-Organ Transplantation for Severe Coronavirus Disease 2019.** *Virtual Society of Cardiovascular Anesthesia Thoracic Anesthesia Symposium.*
  Madhok, J., Jackson, E., Tsai, A., Guenthart, B.
  2021
- **First lung and kidney multi-organ transplant following COVID-19 Infection.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Guenthart, B. A., Krishnan, A., Alassar, A., Madhok, J., Kakol, M., Miller, S., Cole, S. P., Rao, V. K., Acero, N. M., Hill, C. C., Cheung, C., Jackson, E. C., Feinstein, et al
  2021
- **Left Ventricular True Aneurysm Presenting as Epigastric Pain and Fevers.** *Society of Cardiovascular Anesthesiologists Annual Meeting.*
  Jackson, E., Leong, J.
  2020
- **Case Report of an Awake Craniotomy in a Patient With Eisenmenger Syndrome.** *A&A practice*
  Heifets, B. D., Crawford, E., Jackson, E., Brodt, J., Jaffe, R. A., Burbridge, M. A.
  2018; 10 (9): 219-222
- **Anesthetic Management of a Redo-Sternotomy Patient with a Sternal Osteophyte Penetrating the Ascending Thoracic Aorta ("A Case of the Otomies")** *Society of Cardiovascular Anesthesiologists Annual Meeting*
  Sheriffdeen, R., Oakes, D., Jackson, E.
  2018
- **Case Report of an Awake Craniotomy in a Patient With Eisenmenger Syndrome.** *A & A case reports*
  Heifets, B. D., Crawford, E. n., Jackson, E. n., Brodt, J. n., Jaffe, R. A., Burbridge, M. A.
  2017
- **Pulmonary Hypertensive Crisis Following Ethanol Sclerotherapy for a Complex Vascular Malformation** *The Journal of Perinatology*
  Cordero-Schmidt, G., Wallenstein, M., Ozen, M., Shah, N., Jackson, E., Hovsepian, D., Palma, J.
  2014; 34 (9): 713-715
- **Anesthetic Management of Cardiac Biopsy-Induced Severe Tricuspid Valve Regurgitation in a Recent Heart Transplant Recipient (Complex Case)** *Society of Cardiovascular Anesthesiologists Annual Meeting*
  Powers, A., Jackson, E.
  2013
- **Acute Alcohol Toxicity in a Neonate** *Society for Pediatric Anesthesiology / American Academy of Pediatrics Annual Meeting*
  Laughlin, M., Jackson, E.
  2013
- **Severe Lung Injury Following Unroofed Coronary Sinus Repair in a Patient with Undetected Subtotal Cor Triatriatum** *Society of Cardiovascular Anesthesiologists Annual Meeting*
  Bain, S., Kuan, C., Jackson, E.
  2013
- **Role of ketamine in the management of pulmonary hypertension and right ventricular failure.** *Journal of cardiothoracic and vascular anesthesia*
  Maxwell, B. G., Jackson, E.
  2012; 26 (3): e24-5
- **A method of rapid robust respiratory synchronization for MRI** *PEDIATRIC RADIOLOGY*
  Vasanawala, S. S., Jackson, E.

2010; 40 (10): 1690-1692

- **The effects of dexmedetomidine on cardiac electrophysiology in children** *ANESTHESIA AND ANALGESIA*
  Hammer, G. B., Drover, D. R., Cao, H., Jackson, E., Williams, G. D., Ramamoorthy, C., Van Hare, G. F., Niksch, A., Dubin, A. M.
  2008; 106 (1): 79-83

- **Management of Parturient Congenital Heart Disease (in chapter entitled Structural Heart Disease in Pregnant Women)** *Obstetric Anesthesia and Uncommon Disorders*
  Carvalho, B., Jackson, E.
  Cambridge University Press.2008; Second Edition

- **Postoperative Respiratory Depression in Children Anesthetized with Remifentanil With or without Spinal Anesthesia for Open Heart Surgery** *Anesthesiology*
  Hammer GB, Drover D, Jackson E, Kamra K, Evans DA
  2002: 96: A1223

- **Comparison of Remifentanil With or Without Spinal Anesthesia for Children Undergoing Open Heart Surgery** *Anesthesiology*
  Hammer GB, Drover D, Jackson E, Kamra K, Evans DA
  2002: 96: A1222

- **The Effect of Arteriovenous Malformations on the Distribution of Intracerebral Arterial Pressures** *American Journal of Neuroradiology*
  Fogarty-Mack, P., Pile-Spellman, J., Hacien-Bey, L., Jackson, E., Young, W.
  1996; 17: 1443-1449