



Jessica Brodt

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Anesthesia Department**

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Bio

BIO

Jessica Brodt is a fulltime cardiothoracic anesthesiologist. Besides clinical activities, current clinical research projects are (1) investigating the incidence and risk factors for chronic opioid use after cardiac surgery, and (2) utilizing new regional analgesic techniques for patients undergoing heart surgery with cardiopulmonary bypass. Other interests include accuracy of oximetry monitors used in the cardiac OR, and perioperative TEE education for residents and fellows.

CLINICAL FOCUS

- Regional analgesia for cardiac surgery
- Fast Track Cardiac Surgery
- Anesthesia for transcatheter and electrophysiology procedures
- Anesthesiology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Rotation Director, Stanford Resident Cardiac Anesthesia Rotation, (2017- present)
- Professional Practice Evaluation Committee, Stanford University, (2015- present)
- Clerkship Director, Stanford Hospital Cardiac Anesthesiology Clerkship, (2015-2018)

HONORS AND AWARDS

- Chief Resident, University of Miami, Department of Anesthesia (2011-2012)
- Emmanuel M Papper Memorial Award, University of Miami (June 2012)
- Best Clinical Pearl, Oral Presentation, SCA Thoracic Symposium (April 2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Committee Member, SCA International Committee (2017 - present)
- Member, Society of Cardiovascular Anesthesiologists
- Member, California Society of Anesthesiologists
- Member, American Society of Anesthesiologists
- Member, International Anesthesia Research Society

PROFESSIONAL EDUCATION

- Board Certification: Perioperative Transesophageal Echocardiography, National Board of Echocardiography (2014)
- Medical Education: University of Sydney Medical School (2007) Australia
- Fellowship, University of Miami , Cardiothoracic anesthesia (ACTA) (2013)
- Residency, University of Miami , Anesthesiology (2012)
- Diplomate, National Board of Echocardiography , Advanced Perioperative Transesophageal Echocardiography (2013)
- Board Certification, American Board of Anesthesiology , Anesthesia (2013)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical Education

Regional Anesthesia for Cardiothoracic Enhanced Recovery (RACER)

Anesthesia for transcatheter and electrophysiology procedures

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiac Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Opioid-Free Ultra-Fast-Track On-Pump Coronary Artery Bypass Grafting Using Erector Spinae Plane Catheters** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Chanowski, E. P., Horn, J., Boyd, J. H., Tsui, B. H., Brodt, J. L.
2019; 33 (7): 1988–90
- **Cerebral Oximetry Fails as a Monitor of Brain Perfusion in Cardiac Surgery: A Case Report** *A & A PRACTICE*
McAvoy, J., Jaffe, R., Brock-Utne, J., Lopez, J., Brodt, J.
2019; 12 (12): 441–43
- **Cerebral Oximetry Fails as a Monitor of Brain Perfusion in Cardiac Surgery: A Case Report.** *A&A practice*
McAvoy, J., Jaffe, R., Brock-Utne, J., Lopez, J., Brodt, J.
2019
- **Opioid-Free Ultra-Fast-Track On-Pump Coronary Artery Bypass Grafting Using Erector Spinae Plane Catheters.** *Journal of cardiothoracic and vascular anesthesia*
Chanowski, E. J., Horn, J., Boyd, J. H., Tsui, B. C., Brodt, J. L.
2018
- **Where the Cath Lab and the Pump Room Meet: Anesthesia for Hybrid Procedures.** *International anesthesiology clinics*
Brodt, J. L.

2018; 56 (4): 64–73

- **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): 219–22
- **Case Report of an Awake Craniotomy in a Patient With Eisenmenger Syndrome.** *A & A case reports*
Heifets, B. D., Crawford, E., Jackson, E., Brodt, J., Jaffe, R. A., Burbridge, M. A.
2017
- **Changes in cerebral oxygen saturation during transcatheter aortic valve replacement.** *Journal of clinical monitoring and computing*
Brodt, J., Vladinov, G., Castillo-Pedraza, C., Cooper, L., Maratea, E.
2016; 30 (5): 649-653
- **Perioperative management of patients with left ventricular assist devices undergoing noncardiac surgery.** *Annals of cardiac anaesthesia*
Degnan, M., Brodt, J., Rodriguez-Blanco, Y.
2016; 19 (4): 676-686
- **Ventriculoperitoneal Shunt Insertion Under Monitored Anesthesia Care in a Patient With Severe Pulmonary Hypertension.** *A & A case reports*
Burbridge, M. A., Brodt, J., Jaffe, R. A.
2016; 7 (2): 27-29
- **Scleroderma and pulmonary hypertension complicating two pregnancies: use of neuraxial anesthesia, general anesthesia, epoprostenol and a multidisciplinary approach for cesarean delivery** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*
Moaveni, D., Cohn, J., BRODT, J., Hocter, K., Ranasinghe, J.
2015; 24 (4): 375-387
- **Orbital Compartment Syndrome Following Extracorporeal Support** *JOURNAL OF CARDIAC SURGERY*
Brodt, J., Gologorsky, D., Walter, S., Pham, S. M., Gologorsky, E.
2013; 28 (5): 522-524
- **Subclavian Vein Catheterization, Chapter 3** *Anesthesia Unplugged*
Brodt, J., Diez, C.
McGraw-Hill Professional.2012; 2
- **The omega-atracotoxins: Selective blockers of insect M-LVA and HVA calcium channels** *BIOCHEMICAL PHARMACOLOGY*
Chong, Y., Hayes, J. L., Sollod, B., Wen, S., Wilson, D. T., Hains, P. G., Hodgson, W. C., Broady, K. W., King, G. F., Nicholson, G. M.
2007; 74 (4): 623-638

PRESENTATIONS

- Pulmonary separation and differential lung ventilation in management of severe intraoperative reexpansion pulmonary edema - Society of Cardiovascular Anesthesiologists, Thoracic Symposium (April 2013)
- Cerebral oxygenation during transcatheter aortic valve implantation - American Society of Anesthesiologists (10/2012)
- Perioperative discovery and management of HCM in the setting of emergency laparoscopic surgery - American Society of Anesthesiologists (October 2012)
- Sudden cardiac arrest in the OR: unmasking prolonged QT during a craniotomy - American Society of Anesthesiologists (October 2012)
- Management of post-infarction ventricular septal defect closure complicated by acidosis, hypoxemia and cardiogenic shock - American Society of Anesthesiologists (October 2011)
- Choice of intubation technique in facial trauma patients - American Society of Anesthesiologists (October 2011)
- Severe intraoperative thromboembolism during manipulation of a long bone fracture - American Society of Anesthesiologists (October 2011)
- Postoperative cognitive dysfunction - Gulf Atlantic Anesthesiology Residents Conference (April 2011)