

# Stanford

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## Mark Burbridge

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

### CLINICAL OFFICES

- **Anesthesia Department**

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### Bio

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### CLINICAL FOCUS

- Anesthesia
- Neuroanesthesia

### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

### HONORS AND AWARDS

- Teaching Scholar Award, Department of Anesthesiology, Stanford University (2017)

### PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, Royal College of Physicians and Surgeons (2013)
- Neuroanesthesia Fellowship, Stanford University (2015)
- Anesthesia Residency, University of Saskatchewan (2013)
- Medical Education: National University of Ireland (2008) Ireland

### Publications

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### PUBLICATIONS

- **Accidental Injection of Propofol Into a Lumbar Drain: The Role of ISO 80369-6 Compliant Neuro Connectors.** *Journal of neurosurgical anesthesiology*  
Burbridge, M. A., Jaffe, R. A.  
2020
- **Accidental Injection of Propofol Into a Lumbar Drain** *Journal of Neurosurgical Anesthesiology*  
Burbridge, M. A., Jaffe, R. A.  
2020
- **Incidence of Anaphylaxis to Sugammadex in a Single-Center Cohort of 19,821 Patients** *Anesthesia and Analgesia*  
Burbridge, M. A.  
2020

- **The use of end-tidal argon to detect venous air embolism: foiled by "fake oxygen!"** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*  
McAvoy, J., Jaffe, R., Burbridge, M., Schertz, T., Brock-Utne, J.  
2019; 33 (5): 925–26
- **Effect of Head Rotation on Jugular Vein Patency Under General Anesthesia** *CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES*  
Burbridge, M. A., Min, J., Jaffe, R. A.  
2019; 46 (3): 355–57
- **Excipients in Anesthesia Medications** *ANESTHESIA AND ANALGESIA*  
Burbridge, M. A., Jaffe, R. A.  
2019; 128 (5): 891–900
- **Acetaminophen Does Not Reduce Postoperative Opiate Consumption in Patients Undergoing Craniotomy for Cerebral Revascularization: A Randomized Control Trial.** *Cureus*  
Burbridge, M. A., Stone, S. A., Jaffe, R. A.  
2019; 11 (1): e3863
- **Intraoperative Kirschner Wire Migration during Robotic Minimally Invasive Spine Surgery.** *Case reports in anesthesiology*  
Peterson, A., Ngai, L. K., Burbridge, M. A.  
2019; 2019: 9581285
- **An Anesthesia Attempt to Be Green: How Do You Waste Your Carbon Dioxide Absorbers?** *A&A practice*  
Burbridge, M. A., Chua, P., Jaffe, R. A., Pearl, R. G., Brock-Utne, J. G.  
2019
- **Paradoxical Critical Hyperkalemia After Acetazolamide for Cerebrovascular Reactivity Study: A Case Report.** *A&A practice*  
Burbridge, M. A., Jaffe, R. A.  
2019
- **Intracranial Neurosurgery** *Anesthesiologist's Manual of Surgical Procedures*  
Burbridge, M. A., Jaffe, R. A.  
Wolters Kluwer.2019; 6
- **Performance of Litholyme compared with Sodasorb carbon dioxide absorbents in a standard clinical setting.** *British journal of anaesthesia*  
Fowler, C. J., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J. G.  
2019; 122 (1): e11–e12
- **A novel use of the precordial Doppler for verification of central venous access.** *Korean J Anesthesiol.*  
Burbridge, M. A.  
2019; 72 (76-77)
- **Intraoperative Transcranial Motor-evoked Potential Stimulation Does Not Seem to Cause Seizures.** *Journal of neurosurgical anesthesiology*  
Burbridge, M. A., Nguyen, V., Min, J. G., Jaffe, R. A., Ahuja, B., Shah, A. D., Lee, L. H., Cho, C., Sandoval, B., López, J. R.  
2019
- **Inaccurate Blood Pressure Readings in the Intensive Care Unit: An Observational Study.** *Cureus*  
Tse, B., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J.  
2018; 10 (12): e3716
- **Fluid management concepts for severe neurological illness: an overview.** *Current opinion in anaesthesiology*  
Heifets, B. D., Tanaka, P., Burbridge, M. A.  
2018
- **Intraoperative tonic-clonic seizure under general anesthesia captured by electroencephalogram.** *100 Selected Case Reports from Anesthesia & Analgesia*  
Burbridge, M. A., Jaffe, R. A., Doufas, A. G., Lopez, J. R.  
Wolters Kluwer.2018; 1
- **Dermographism: A rare cause of intraoperative hypotension and urticaria** *100 Selected Case Reports from Anesthesia & Analgesia*  
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- **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
- **At What Hematocrit Should We Transfuse in Craniotomy?** *You're Wrong I'm Right: Dueling Authors Re-Examine Classic Teachings in Anesthesia*  
Burbridge, M.  
2017
- **High Risk of Aspiration in Patients With ReShape Intra-gastric Balloon Weight Loss System.** *Anesthesia and analgesia*  
Burbridge, M. A., Coffman, C.  
2017; 124 (2): 703
- **High Flow Nasal Cannula, A Novel Approach to Airway Management in Awake Craniotomies.** *Journal of neurosurgical anesthesiology*  
Smith, S. C., Burbridge, M., Jaffe, R.  
2017
- **Intraoperative Tonic-Clonic Seizure Under General Anesthesia Captured by Electroencephalography: A Case Report** *A and A Case Reports*  
Burbridge, M. A., Jaffe, R. A., Doufas, A. G., Lopez, J. R.  
2017: 9–12
- **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
- **Dermographism: A Rare Cause of Intraoperative Hypotension and Urticaria.** *A & A case reports*  
Burbridge, M.  
2016; 7 (2): 41-43
- **Exparel®: A New Local Anesthetic with Special Safety Concerns.** *Anesthesia and analgesia*  
Burbridge, M., Jaffe, R. A.  
2015; 121 (4): 1113-1114
- **Antiepileptic and Other Neurologically Active Drugs** *Stoelting's Pharmacology and Physiology in Anesthetic Practice*  
Flood, P., Burbridge, M.  
Wolters Kluwer.2015; 5
- **Awake craniotomy in a developmentally delayed blind man with cognitive deficits** *CANADIAN JOURNAL OF ANESTHESIA-JOURNAL CANADIEN D ANESTHESIE*  
Burbridge, M., Raazi, M.  
2013; 60 (4): 399-403
- **Health Quality Improvement Using Instructional Communication and Teamwork Videos: An Outcome Study** *Creative Education*  
Cowie, N., Bowen, A., Kuling, S., Premkumar, K., Burbridge, M., Martel, J.  
2013; 5 (1)
- **Teamwork and Communication in Acute Care: A Teaching Resource for Healthcare Professionals**  
Cowie, N., Premkumar, K., Bowen, A., Kuling, S., Kawchuk, J., Rooney, M., Morris, G., Burbridge, M., Silvertson, J., Campbell, D., Boehler, K.  
MedEd Portal.  
2012
- **The long-term functional outcome of type II odontoid fractures managed non-operatively** *EUROPEAN SPINE JOURNAL*  
Butler, J. S., Dolan, R. T., Burbridge, M., Hurson, C. J., O'Byrne, J. M., McCormack, D., Synnott, K., Poynton, A. R.  
2010; 19 (10): 1635-1642