

Stanford



Mark Burbridge

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Anesthesia Department**

300 Pasteur Dr Rm H3574

Stanford, CA 94305

Tel (650) 724-2723

Fax (650) 725-5844

Bio

CLINICAL FOCUS

- Anesthesia
- Neuroanesthesia

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Airway Management Physician, San Francisco 49ers Football Club, (2021- present)
- Neuroanesthesia Division Clinical Director, Department of Anesthesiology, Stanford University, (2021- present)

HONORS AND AWARDS

- Article of the Month (January), OpenAnesthesia (2021)
- 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

PUBLICATIONS

- **Fosaprepitant Does Not Interfere With Commonly Used Intraoperative Neuromonitoring Modalities Under General Anesthesia: A Preliminary Study.** *Journal of neurosurgical anesthesiology*
Lopez, J. R., Jaffe, R. A., Lopez, I. R., Burbridge, M. A.
2022

- **Scalp blocks do not affect the accuracy of neuronavigation facial recognition registration** *Journal of Clinical Monitoring and Computing*
Burbridge, M. A., Dacanay, E., Shields, G., Jaffe, R. A.
2022
- **Lipematous Scalp Renders Surgical Neuronavigation Facial Recognition Registration Impossible Using Conventional Methods** *Journal of Clinical Monitoring and Computing*
Dacanay, E., Burbridge, M. A.
2022
- **Tension Pneumocephalus.** *Journal of neurosurgical anesthesiology*
Morris, R. S., Burbridge, M. A.
2022
- **Intraoperative Anaphylaxis: Definition Determines Detection Response** *ANESTHESIA AND ANALGESIA*
Burbridge, M. A.
2021; 132 (5): E78
- **Rapid Blood Transfusion: The Importance of Hemodilution and Needleless Connectors.** *Cureus*
Burbridge, M. A., Panigrahi, A. K., Stone, S. A., Jaffe, R. A., Brock-Utne, J.
2021; 13 (3): e13999
- **Antiepileptic and Other Neurologically Active Drugs** *Stoelting's Pharmacology and Physiology in Anesthetic Practice*
Burbridge, M. A., Flood, P. D.
Wolters Kluwer.2021; 6
- **Enhancing Perioperative Care of Patients Undergoing Major Complex Spinal Instrumentation Surgery: Clinical Practice Guidelines from the Society for Neuroscience in Anesthesiology and Critical Care** *Journal of Neurosurgical Anesthesiology*
Blacker, S. N., Vincent, A., Burbridge, M. A., Bustillo, M., Hazard, S. W., Heller, B., Nadler, J. W., Sullo, E., Lele, A. V.
2021
- **Neurointensive Care Unit: Clinical Practice and Organization.** *Anesthesia and analgesia*
Burbridge, M. A.
2020; 131 (5): e225–e226
- **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
- **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
- **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. n., 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. n., 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. n., Min, J. G., Jaffe, R. A., Ahuja, B. n., Shah, A. D., Lee, L. H., Cho, C. n., Sandoval, B. n., 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
 - **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
 - **Fluid management concepts for severe neurological illness: an overview.** *Current opinion in anaesthesiology*
Heifets, B. D., Tanaka, P. n., 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*
Burbridge, M. A.
Wolters Kluwer.2018; 1
 - **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
 - **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 Flow Nasal Cannula, A Novel Approach to Airway Management in Awake Craniotomies.** *Journal of neurosurgical anesthesiology*
Smith, S. C., Burbridge, M. n., Jaffe, R. n.

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., Boechler, 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