

ROBERT L. LOBATO MD, MS, FASA, FASE

CONTACT ADDRESS

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BOARD CERTIFICATION

Subspecialty Certification in Adult Cardiac Anesthesiology	2023
Diplomate, American Board of Anesthesiology	2010
Diplomate, National Board of Echocardiography	2010

EDUCATION

Fellowship, Cardiothoracic Anesthesiology <i>Duke University Medical Center, Durham, NC</i>	2009–2010
Residency and Internship, Anesthesiology <i>Duke University Medical Center, Durham, NC</i>	2005–2009
Medical Doctorate <i>Stanford University School of Medicine, Stanford, CA</i>	June 2004
Master of Science, Clinical Epidemiology <i>Stanford University School of Medicine, Stanford, CA</i>	June 2004
Bachelor of Science, Mechanical Engineering <i>Stanford University, Stanford, CA</i>	June 1996

ACADEMIC APPOINTMENTS

Professor of Anesthesiology and Associate Vice Chair of Administration and Finance <i>University of Nebraska Medical Center, Omaha, NE</i>	2023–2024
Associate Professor of Anesthesiology and Chief, Division of Multispecialty Anesthesiology <i>University of Nebraska Medical Center, Omaha, NE</i>	2018–2023
Cardiothoracic Anesthesiologist and Director of Cardiothoracic Anesthesiology <i>Veterans Affairs West Los Angeles Medical Center, Los Angeles, CA</i>	2014–2018
Assistant Clinical Professor of Anesthesiology <i>University of California Los Angeles, Los Angeles, CA</i>	2014–2018
Cardiothoracic Anesthesiologist <i>Cedars-Sinai Medical Center, Los Angeles, CA</i>	2013–2014
Instructor, Division of Cardiovascular Anesthesia <i>Stanford University School of Medicine, Stanford, CA</i>	2010–2013
Adjunct Assistant Professor <i>Duke University Medical Center, Durham, NC</i>	2010–2014

HONORS

Alpha Omega Alpha Medical Honor Society	<i>Lifetime Member</i>
Fellow of the American Society of Anesthesiologists	<i>Lifetime Member</i>
Fellow of the American Society of Echocardiography	<i>Lifetime Member</i>
Outstanding Teacher, UNMC Department of Anesthesiology	2021
Outstanding Teacher, UNMC Department of Anesthesiology	2020
Teacher of the Year, UNMC Department of Anesthesiology	2019
Chief Fellow, Department of Anesthesiology, Duke University	2009–2010
Academic Chief Resident, Duke University	2008–2009
ACES Research Scholar, Duke University	2005–2010
Dick Smith Award for Post-Doctoral Research	2010
Recipient, Resident Travel Award, Assoc of University Anesthesiologists	2009
Recipient, American Pain Society Young Investigator Travel Award	2005
NIH K30 Clinical Research Program, Stanford University School of Medicine	2001–2003

SPECIALTY SOCIETY COMMITTEES AND BOARD OF DIRECTORSHIPS

Member, Board of Directors, Nebraska Society of Anesthesiologists	2020–2024
President Elect, Nebraska Society of Anesthesiologists	2023–2024
Secretary/Treasurer, Nebraska Society of Anesthesiologists	2021–2023
Component Society Delegate, House of Delegates <i>American Society of Anesthesiologists</i>	2021–2024
Voting Member, Committee on Cardiovascular and Thoracic Anesthesia <i>American Society of Anesthesiologists</i>	2021–2024
Voting Member, Committee on Performance and Outcomes Measurements <i>American Society of Anesthesiologists</i>	2021–2023
Voting Member, Abstract Review Subcommittee on Outcomes and Database Research <i>American Society of Anesthesiologists</i>	2021–2024
Voting Member, Educational Track Subcommittee on Perioperative Medicine <i>American Society of Anesthesiologists</i>	2021–2023

BIOINFORMATICS AND DATA SCIENCE TRAINING

Caboodle Data Model Accreditation (CDW110v) <i>Epic Systems Corporation, Verona, WI</i>	2021
Cogito Accreditation (COG170) <i>Epic Systems Corporation, Verona, WI</i>	2020
SQL I and SQL II <i>Epic Systems Corporation, Verona, WI</i>	2020

PATENTS AND INVENTIONS

Lobato, Robert L. *et al.* **Predictors of Long-Term Mortality following Coronary Artery Bypass Graft Surgery.** U.S. Patent 8,105,781, filed October 14, 2008 and *issued January 31, 2012.*

GRANTS AND FUNDING

Efficiency And Quality In Post-Surgical Pain Therapy After Discharge AHRQ/HHS R01HS027795 Role: DSMB Co-chair	\$1,968,125 K. Bartels (PI)
The Impact of IL-1 Receptor Antagonists on Postoperative Pain Stanford SPARK Venture Funding Role: Randomized Controlled Trial Principal Investigator	\$35,000 Lobato (PI)

PEER-REVIEWED SCIENTIFIC MANUSCRIPTS

16. M. L. Rolfzen, S. K. Mikulich-Gilbertson, C. Natvig, J. A. Carrico, R. L. Lobato, M. Krause, and K. Bartels. **Association between alcohol use disorder and hospital outcomes in colectomy patients-A retrospective cohort study.** *Journal of Clinical Anesthesia* 78 (2022), p. 110674.
15. Z. Xia, L. Han, P. R. Pellegrino, A. M. Schiller, L. D. Harrold, R. L. Lobato, S. J. Lisco, I. H. Zucker, and H.-J. Wang. **Safety and efficacy of renal denervation in patients with heart failure with reduced ejection fraction (HFrEF): A systematic review and meta-analysis.** *Heliyon* 8.1 (2022), e08847.
14. K. A. Krieser, J. B. Riley III, J. E. Baus, J. T. Hoffman, J. N. Sullivan MD, and R. L. Lobato. **PONV Prophylaxis Failure Disproportionately Affects Female Patients, Despite Intraoperative Computerized Decision Support Guidance.** *Graduate Medical Education Research Journal* 2.1 (2020), pp. 6–14.
13. J. K. Wong, B. G. Maxwell, C. A. Kushida, K. L. Sainani, R. L. Lobato, Y. J. Woo, and R. G. Pearl. **Obstructive sleep apnea is an independent predictor of postoperative atrial fibrillation in cardiac surgery.** *Journal of Cardiothoracic and Vascular Anesthesia* 29.5 (2015), pp. 1140–1147.
12. B. G. Maxwell, R. L. Lobato, M. B. Cason, and J. K. Wong. **Perioperative morbidity and mortality of cardiothoracic surgery in patients with a do-not-resuscitate order.** *PeerJ* 2 (2014), e245.
11. B. G. Maxwell, J. K. Wong, and R. L. Lobato. **Perioperative Morbidity and Mortality after Noncardiac Surgery in Young Adults with Congenital or Early Acquired Heart Disease: A Retrospective Cohort Analysis of the National Surgical Quality Improvement Program Database.** *The American Surgeon* 80.4 (2014), pp. 321–326.
10. B. G. Maxwell, J. K. Wong, D. C. Miller, and R. L. Lobato. **Temporal Changes in Survival after Cardiac Surgery Are Associated with the Thirty-Day Mortality Benchmark.** *Health Services Research* (2014).
9. V. K. Rao, R. L. Lobato, B. Bartlett, M. Klanjac, C. T. Mora-Mangano, P. D. Soran, D. A. Oakes, C. C. Hill, and P. J. van der Starre. **Factor VIII Inhibitor Bypass Activity and Recombinant Activated Factor VII in Cardiac Surgery.** *Journal of Cardiothoracic and Vascular Anesthesia* 28.5 (2014), pp. 1221–1226.
8. J. K. Wong, R. L. Lobato, A. Pinesett, B. G. Maxwell, C. T. Mora-Mangano, and M. V. Perez. **P-Wave Characteristics on Routine Preoperative Electrocardiogram Improve Prediction of New-Onset Postoperative Atrial Fibrillation in Cardiac Surgery.** *Journal of Cardiothoracic and Vascular Anesthesia* (2014).

7. B. G. Maxwell, A. J. Powers, A. Y. Sheikh, P. H. Lee, R. L. Lobato, and J. K. Wong. **Resource use trends in extracorporeal membrane oxygenation in adults: An analysis of the Nationwide Inpatient Sample 1998-2009.** *The Journal of Thoracic and Cardiovascular Surgery* (2013).
6. B. G. Maxwell, J. K. Wong, C. Kin, and R. L. Lobato. **Perioperative Outcomes of Major Noncardiac Surgery in Adults with Congenital Heart Disease.** *Anesthesiology* 119.4 (2013).
5. B. G. Maxwell, J. K. Wong, A. Y. Sheikh, P. H. Lee, and R. L. Lobato. **Heart transplantation with or without prior mechanical circulatory support in adults with congenital heart disease.** *European Journal of Cardio-Thoracic Surgery* (2013), ezt498.
4. M. Wu, P. Sahbaie, M. Zheng, R. Lobato, D. Boison, J. David Clark, and G. Peltz. **Opiate-induced changes in brain adenosine levels and narcotic drug responses.** *Neuroscience* (2012).
3. R. L. Lobato, W. D. White, J. P. Mathew, M. F. Newman, P. K. Smith, C. B. McCants, J. H. Alexander, M. V. Podgoreanu, et al. **Thrombomodulin gene variants are associated with increased mortality after coronary artery bypass surgery in replicated analyses.** *Circulation* 124.11 suppl 1 (2011), S143–S148.
2. R. L. Lobato, G. J. Despotis, J. H. Levy, L. J. Shore-Lesserson, M. O. Carlson, and E. Bennett-Guerrero. **Anticoagulation management during cardiopulmonary bypass: a survey of 54 North American institutions.** *Journal of Thoracic and Cardiovascular Surgery* 139.6 (2010), pp. 1665–1666.
1. R. L. Lobato, E.-Y. Kim, R. M. Kagan, and T. C. Merigan. **Genotypic and phenotypic analysis of a novel 15-base insertion occurring between codons 69 and 70 of HIV type 1 reverse transcriptase.** *AIDS research and human retroviruses* 18.10 (2002), pp. 733–736.

PEER-REVIEWED EDITORIALS AND CASE REPORTS

4. K. Bartels, R. L. Lobato, and C. J. Bradley. **Risk Scores to Improve Quality and Realize Health Economic Gains in Perioperative Care.** *Anesthesia & Analgesia* 133.3 (2021), pp. 606–609.
3. B. G. Maxwell, D. A. Oakes, R. L. Lobato, and C. C. Hill. **Tricuspid Regurgitation Jet Velocity Suggestive of Severe Pulmonary Hypertension.** *Journal of Cardiothoracic and Vascular Anesthesia* (2013).
2. R. L. Lobato. **A K-means cluster analysis of baseline quality of life scores in chronic pain patients.** Master of Science Thesis. Stanford University School of Medicine, 2004.
1. M. L. Melcher, R. L. Lobato, and S. M. Wren. **A novel technique to treat ruptured umbilical hernias in patients with liver cirrhosis and severe ascites.** *Journal of Laparoendoscopic & Advanced Surgical Techniques* 13.5 (2003), pp. 331–332.

Lobato R. L. **Quality Improvement at an Individual-Clinician Level.** Presented at the Center for Intelligent Health Care Grand Rounds on March 8, 2023.

Lobato R. L. **Supercharge Your Quality Improvement Program with Run Charts** Presented at the 2022 R/Medicine International Conference. <https://youtu.be/FpVJLHkF7uw>

Lobato R. L. **R and Shiny Dashboards Facilitate Quality Improvement in Anesthesiology and Perioperative Care** Presented at the 2021 R/Medicine International Conference. <https://youtu.be/7Q5y00YRe3Q>

Dudley K., Lobato R. L. *et al.* **Perioperative Morbidity and Mortality in Patients with Pulmonary Hypertension Undergoing Non-Cardiac Surgery: An Analysis of Admission Records from The Nationwide Inpatient Sample** Presented at 2016 American Thoracic Society Annual Meeting.

Lobato R. L. **Unanticipated Moderate Aortic Insufficiency During Cardiac Surgery: Does It Matter?** Invited faculty lecturer at the 2014 Society of Cardiovascular Anesthesiologists Advanced TEE Workshop.

Lobato R. L., Wong J. K., *et al.* **Morbidity and Mortality of Pulmonary Hypertension in the Perioperative Period.** Podium presentation at 2012 American Heart Association Scientific Session.

Lobato R. L., White W. D., *et al.* **Thrombomodulin Gene Variants Are Associated With Increased Mortality After Coronary Artery Bypass Surgery in Replicated Analyses.** Podium presentation at 2010 American Heart Association Scientific Session.

Lobato R. L., Mathew J. P., *et al.* **Metabolomic serotypes of perioperative myocardial infarction following cardiac surgery with planned myocardial ischemia-reperfusion.** Podium presentation at 2009 Association of University Anesthesiologists Annual Meeting.

Lobato R. L., Mathew J. P., *et al.* **Metabolomic profiling of plasma from individuals undergoing cardiac surgery with planned myocardial ischemia- reperfusion reveals early markers of perioperative myocardial injury.** Presented at 2009 Society of Cardiovascular Anesthesiologists Annual Meeting.

Lobato R. L., Mathew J. P., *et al.* **Genomic predictors of long-term mortality following coronary artery bypass surgery.** Presented at 2007 American Society of Anesthesiologists Annual Meeting.