**Emory University School of Medicine**

**Curriculum Vitae**

Revised 7/2023

1. **Name:** Michele Leigh Sumler, M.D.
2. **Office Address:**

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1. **E-mail***:*[msumler@emory.edu](mailto:msumler@emory.edu)
2. **Citizenship:** United States
3. **Current Titles and Affiliations:**
4. Academic Appointments:
   * 1. Primary Appointments:

Assistant Professor, Department of Anesthesiology**,** Emory University School of Medicine, July 2012-August 2018

Associate Professor, Department of Anesthesiology, Emory University School of Medicine, September 2018-present

1. Other Administrative Appointments:
2. Vice Chair of Diversity, Equity and Inclusion, 2021- present
3. Interim Director of Emory Center for Experimental Learning (ExCEL), 2021-present
4. **Previous Academic and Professional Appointments:**
5. Assistant Professor, Department of Anesthesiology, University of Virginia School of Medicine, Charlottesville, Virginia 2010- 2012
6. Associate Program Director, Adult Cardiothoracic Fellowship, Emory University School of Medicine, 2014-2016
7. Director of Simulation, Department of Anesthesiology, Emory University School of Medicine, 2013-2022
8. Program Director, Adult Cardiothoracic Fellowship, Emory University School of Medicine, 2016-2021
9. **Licensure/Boards:**

Commonwealth of Virginia, 2007-present

Georgia Composite Medical Board, 2012-present

1. **Specialty Boards:**

Diplomate of the American Board of Anesthesiology, 2010, 2021

Advanced Perioperative TEE Certification, National Board of Echocardiography, 2011,

2021

1. **Education:**

Bachelor of Arts, University of Virginia, August 1995- May 1999

Pre-Health Physiology Certificate, Medical College of Virginia, August 2000-May 2001

Doctor of Medicine, Medical College of Virginia, August 2001- May 2005

Masters of Bioethics, Emory University, August 2015-May 2021

1. **Postgraduate Training:**

Internship, Department of Internal Medicine, Medical College of Virginia, Richmond, VA**,** Supervisor: Stephanie Call, MD

2005-2006

Anesthesiology Residency, Medical College of Virginia, Richmond, VA

Supervisor: Jay Shapiro, MD

2006- 2009

Adult Cardiothoracic Anesthesiology Fellowship**,** The Johns Hopkins University School of Medicine, Baltimore, MD

Program Director: Daniel Nyhan, MD

2009-2010

1. **Continuing Professional Development Activities:**

Emory School of Medicine, Learning to be Better Teachers, 2014

Executive Coaching Course, Department of Anesthesiology, Emory University, 2017

Comprehensive Simulation Instructor Workshop, The Center for Medical Simulation, 2018

Woodruff Leadership Academy, Emory University, Woodruff Health Sciences, 2022

1. **Committee Memberships:**
2. National

Member, Society of Cardiovascular Anesthesiologists, Membership Committee, 2010-2015

Member, Society of Cardiovascular Anesthesiologists, Ethics Committee, 2015-2020

Member, Society of Cardiovascular Anesthesiologists, Adult Cardiothoracic Fellowship Program Directors Council, 2016-present

Oral Board Examination Member, American Board of Anesthesiology, 2019-present

Member, Society of Cardiovascular Anesthesiologists, Online Education Sub- Committee, 2020-present

Member, Society of Cardiovascular Anesthesiologists, Diversity, Equity, and Inclusion Committee, 2021-present

1. Regional

Member, Georgia Society of Anesthesiologists , Membership Committee

2015-2016

Member, Georgia Society of Anesthesiologists, Governmental Affairs Committee, 2017-present

Member, Georgia Society of Anesthesiologists, Committee Responsible for the Health Care Policy (GSA-PAC), 2017-2019

Chair, Georgia Society of Anesthesiologists, Governmental Affairs Committee, 2018-2020

1. Institutional

Member, Cardiac Surgeon Faculty Search Committee, University of Virginia School of Medicine, Charlottesville, Virginia, 2011-2012

Member, Department of Anesthesiology Education Committee, University of Virginia School of Medicine, Charlottesville, Virginia, 2011-2012

Central Line Taskforce Committee, Department of Anesthesiology, Emory University School of Medicine, 2012-2014

Cardiac Fellowship Education Committee, Department of Anesthesiology, Emory University School of Medicine, 2012-2021

Anesthesiology Education Committee, Department of Anesthesiology, Emory University School of Medicine, 2013-2021

Fellow Application Review Committee, Adult Cardiothoracic Fellowship, Emory University School of Medicine, 2013-2021

Education Resources and Infrastructure Committee, Liaison Committee on Education (LCME) Site Visit, Emory University School of Medicine, 2014-2015

Fellowship Program Evaluation Committee, Adult Cardiothoracic Fellowship, Emory University School of Medicine, 2014-present

Diversity, Equity, and Inclusion (DEI) Committee, Department of Anesthesiology, 2020- present

-Vice Chair 2020-2021

-Chair 2021-present

Adult Cardiothoracic Fellowship Program Director Search Committee, Department of Anesthesiology, 2021

Vice Chair for Education Search Committee, Department of Anesthesiology, 2022

Director of Simulation Search Committee, Department of Anesthesiology, 2022

Pain Division Chief Search Committee, Department of Anesthesiology, 2022

1. **Peer Review Activities:**

* 1. Manuscripts

* + 1. Annals of Thoracic Surgery, 2012-present
    2. Journal of Cardiothoracic and Vascular Anesthesia 2020-present
  1. Conference Abstracts
     1. National

Society of Cardiovascular Anesthesiologists, Washington, DC, 2015

Society of Cardiovascular Anesthesiologists, San Diego, CA, 2016

Society of Cardiovascular Anesthesiologists, Orlando, FL

2017

Society of Cardiovascular Anesthesiologists, Phoenix, AZ, 2018

Society of Cardiovascular Anesthesiologists, Chicago, IL, 2019

Society of Cardiovascular Anesthesiologists, Meeting Canceled due to COVID-19, 2020

Society of Cardiovascular Anesthesiologists, virtual, 2021

Society of Cardiovascular Anesthesiologists, Palm Springs, CA, 2022

1. **Honors and Awards:**

VCU/MCV School of Medicine Dean’s Scholarship2003-2004

VCU/MCV School of Medicine Admission Committee2004-2005

Inaugural Emory Anesthesiology Leadership Development Grant 2017

Outstanding Education Intervention Award 2017

Doctors’ Day Recognition, Emory University School of Medicine 2022

1. **Society Memberships:**

Virginia Society of Anesthesiologists (VSA) 2010-2012

Society of Cardiovascular Anesthesiologists (SCA) 2010-present

Society of Education in Anesthesia (SEA) 2013-present

American Society of Anesthesiologists (ASA) 2013-present

Georgia Society of Anesthesiologists (GSA) 2013-present

American Society of Echocardiography (ASE) 2014-present

Association of University Anesthesiologists (AUA, invited membership) 2019-present

Association of Cardiac Anesthesiologist (ACA, invited membership) 2020-present

1. **Organization of Conferences/Courses:**
   1. National and International:
      1. Administrative Position:  
         Society of Cardiovascular Anesthesiologist Scientific Program Committee Member, Annual Meeting, 2020-present
      2. Sessions as Chair:

International Meeting on Simulation in Healthcare (IMSH), Simulation Research for Procedures, January 2021.

* 1. Regional:
     1. Administrative Positions:

Georgia Society of Anesthesiologists Summer Meeting Co-Director, 2015

* 1. Institutional:
     1. Simulation Faculty Development Course Organizer, Department of Anesthesiology, March 2015
     2. Co-Management of Operating Room Emergencies (CORE), Founding Faculty, Emory University 2016-present, 4 hours/month- I am founding faculty member of CORE which is an interdisciplinary, high fidelity simulation program that targets teamwork in operating room emergencies for anesthesiologists, surgeons, and nurses.
     3. GME Simulation Track Course Director, 2021-present

1. **Community Outreach:**

Martin Luther King Day Speaker, New Grafton Baptist Church

Newport News, Virginia, January 2017

Career Day, Evoline C. West Elementary School, Fairburn, Georgia, April 2017

1. **Formal Teaching:**
   1. Medical Student Teaching:

Perioperative and Acute Care Medicine, 3rd year medical student clerkship, University of Virginia School of Medicine, Charlottesville, Virginia, July 2010 – July 2012 3 hours/monthly

Interprofessional Care of Older Patients, Emory University School of Medicine, Atlanta, Georgia, November 2014, 4 hours

Medical Student Airway Workshop, November 2015, 2 hours

* 1. Graduate Programs:

1. Anesthesiology Residency Program:

Plasmapheresis and Heparin Re-exposure as a Management, Strategy for Cardiac Surgical Patients with Heparin Induced Thrombocytopenia, The Johns Hopkins School of Medicine, Department of Anesthesiology, Cardiac Division, May 2010, 1 hour

Pre-TCV(Orientation)/Cardiac Rotation, University of Virginia School of Medicine, Charlottesville, Virginia, January 2010-July 2012, 5 hours/year

Endocrine Disorders in Pregnancy, University of Virginia School of Medicine

Charlottesville, Virginia, February 2011, 1 hour

Abnormal Placental Implantation, University of Virginia School of Medicine

Charlottesville, Virginia, February 2011, 1 hour

Uterotonics and Relaxants, University of Virginia School of Medicine

Charlottesville, Virginia, March 2011, 1 hour

Pharmacology of Local Anesthetics, University of Virginia School of Medicine, Charlottesville, Virginia, March 2011, 1 hour

Obesity in Pregnancy, University of Virginia School of Medicine, Charlottesville, Virginia, July 2011, 1 hour

Simulation Education-Anesthesia College, Emory University School of Medicine

Atlanta, Georgia, 2013-present, 24 hours/year

Mock Oral Boards, Anesthesiology Residents, Emory University School of Medicine, Atlanta, Georgia, 2014-2015, 2 hours/year

CA-2 Simulation Sessions, Emory University School of Medicine, Atlanta, Georgia, 2014-2022, 8 hours/year

CA-3 Simulation Sessions, Emory University School of Medicine

Atlanta, Georgia, 2014-2022, 8 hours/year

CA-1 Simulation Orientation, Emory University School of Medicine

Atlanta, Georgia, 2014-present, 8 hours/year

CA-1 Board Review, “Preoperative Evaluation”, Emory University School of Medicine, Atlanta, Georgia 2014-2016, 30 min/year

CA-1 Resident Lecture, “CPR”, Emory University School of Medicine

Atlanta, Georgia, 2017, 1 hr/year

Mock OSCE, Anesthesiology Residents, Emory University School of Medicine, Atlanta, Georgia, 2018-2020, 4 hours/year

CA-0/Intern Simulation Orientation, Emory University School of Medicine, Atlanta GA, 2020-present, 8 hours/year

CA-0/Intern Lecture, Ethics PBLD, Emory University School of Medicine, 2020-present, 1 hour/year

Resident Oral Board Review, Emory University School of Medicine, Atlanta, Georgia, 2020- present, 2/hour/year

Resident Lecture, DEI in Action, Emory University School of Medicine, Atlanta, Georgia, 2022-present, 1/hour/year

ii. Fellowship Programs:

Fellow TEE Reading Session, Emory University School of Medicine, Atlanta, Georgia, 3 times/year, 1 hour/session, 2012-present

Fellow Heart Failure Lecture, Emory University School of Medicine, Atlanta, Georgia, 2013, 1 hour

Mitral Valve Fellow Lecture, Emory University School of Medicine

Atlanta, Georgia, 2013-2018, 1 hour/year

Fellow High Yield Board Review Lecture, Emory University School of Medicine

Atlanta, Georgia, 2014 & 2016, 1 hour/year

Fellow ASD/VSD Lecture, Emory University School of Medicine, Atlanta, Georgia, 2014-2016, 1 hour/year

Problem Based Learning Discussions (PBLDs), Emory University School of Medicine, Atlanta, Georgia, 2016-present, 3 times/year, 1 hour/session

Trainee Supervision, Emory University School of Medicine, Atlanta, Georgia, 2018-2021, 1 hour/year

DEI in Action, Emory Univeristy School of Medicine, Atlanta, Georgia, 2022-present, 1 hour/year

iii. Other Categories

Anesthesia Assistant Students, Respiratory Physiology, Emory University School of Medicine, 2015-2021, 2 hours/year

Anesthesia Assistant Students, Ethics PBLD, Emory University School of Medicine, 2021-present, 1 hour/year

Anesthesia Assistant Students, Implicit Bias, Emory University School of Medicine, 2022-present, 1 hour/year

1. **Supervisory Teaching:**
   1. Fellowship Program:

Katherine Suttle, M.D. 2013-2014

Anesthesiologist, Piedmont Triad Anesthesia

Allison Bechtel, M.D. 2013-2014

Assistant Professor, University of Virginia

Amanda Kleiman, M.D. 2014-2015

Assistant Professor, University of Virginia

Mckenzie Hollon, M.D 2015-2016

Attending Anesthesiologist, Grady Hospital

Travis Steinke, M.D. 2015-2016

Anesthesiologist, Anesthesia Associates-Clay

Sarah Burke, M.D. 2016-2017

Critical Care Fellow, Emory University School of Medicine

Joshua Hammond, M.D. 2016-2017

Anesthesiologist, Athens Regional Medical Center

Julius Hamilton, M.D. 2016-2017

Anesthesiologist, St. Joseph’s Hospital

Darren Hyatt, M.D. 2016-2017

Anesthesiologist, St. Joseph’s Hospital

Jaspreet Lamba, M.D 2016-2017

Cardiac Anesthesiology Fellow, Emory University

Matthias Grube, M.D. 2016-2017

Anesthesiologist, Piedmont Hospital

Sarah Ellis, M.D. 2018-2019

Anesthesiologist, University of Texas Health Sciences Center

Samantha Niekamp, M.D. 2018-2019

Anesthesiologist, private practice Miami, FL

Cara Iorianni, M.D. 2019-2020

Anesthesiologist, Emory University

Lauren Guenther, M.D. 2019-2020

Anesthesiologist, Emory University

Brittany Anderson, M.D. 2020-2021

Anesthesiologist, Northside Hospital

Elliot Harmon, M.D. 2020-2021

Anesthesiologist, Columbia Anesthesia Group

* 1. Residency Program:

Elizabeth Faucher, M.D. 2013-2014

Anesthesiologist, Greenville Anesthesiology

Meghan Vogt Burkley, M.D. 2013-2015

Anesthesiologist, Memphis Tennessee

Danielle Howe, M.D. 2013-2016

Anesthesiologist, Anesthesia Associates of Ann Arbor

Gary Kao, M.D. 2014-2017

Pain Fellow, St. Luke’s Roosevelt Hospital Center

Tiffany Lee, M.D. 2015-2018

Resident, Emory Anesthesiology

Lauren Guenther, M.D. 2015-2019

Resident, Emory Anesthesiology

Gregory Blaufuss, M.D. 2016-2019

Resident, Emory Anesthesiology

Katherine Tinkey, M.D. 2017-2020

Resident, Emory Anesthesiology

Melat Gebre, M.D. 2019-present

Resident, Emory Anesthesiology

Louisa Phillips, M.D. 2020-present

Resident, Emory Anesthesiology

Christabel Jaiyeola, M.D. 2020-present

Resident, Emory University

Neelam Mehta, M.D. 2020-present

Resident, Emory University

* 1. Medical Students

Malika Kelly, 2018-present

Morehouse School of Medicine

Marquel Gould, 2020-present

Morehouse School of Medicine

Ashley Harriott, 2021-present

Emory School of Medicine

Katie Jackson, 2022- present

Emory University School of Medicine

Ashlee Tolbert, 2022-present

Morehouse School of Medicine

Sydney Taylor, 2023

Emory University School of Medicine

1. **Lectureships, Seminar Invitations, and Visiting Professorships:**
   1. *National and International:*

**“**Management of LVADs in Noncardiac Surgery” George Washington University, **Visiting** **Professor**, Anesthesiology Grand Rounds**,** Washington, D.C, January 2015

“Valvular Heart Disease in Non-Cardiac Surgery” Rutgers University, **Visiting** **Professor**, Anesthesiology Grand Rounds, Newark, New Jersey 2018

“Road to Residency” Panel, Student National Medical Association, Latino National Medical Association, Tour 4 Diversity, August 2021

“Sowing Seeds Panel, “ Student National Medical Association, October 2022

* 1. *Institutional:*

1. Grand Rounds Department of Anesthesiology Adult Cardiac Division, The Johns Hopkins School of Medicine, “Care of Adults with Congenital Heart Disease,” Baltimore, MD, February 2010
2. Grand Rounds Department of Anesthesiology, University of Virginia, “PBLD: Intraoperative Monitoring,” Charlottesville, VA, August 2011
3. Grand Rounds Department of Anesthesiology, University of Virginia, “PBLD: LVAD in Noncardiac Surgery,” Charlottesville, VA, October 2011
4. Grand Rounds Department of Anesthesiology, University of Virginia, “ PBLD, Patients with Valvular abnormalities undergoing non-cardiac surgery”, Charlottesville, VA, November 2011
5. Grand Rounds Department of Anesthesiology, Emory University School of Medicine, “Simulation in Education, ”Atlanta, GA, December 2015
6. Learning to be better Teacher Annual Workshop, "Design Your High Fidelity Simulation Session in Seven Steps,” Emory University School of Medicine, Atlanta, GA, January 2018
7. Grand Rounds Department of Anesthesiology, Emory University School of Medicine, Advanced Directives in the OR: To be, or not to be resuscitated, is that the question?, Atlanta, GA, May, 2021.
8. **Invitations to National Conferences:**
   1. National and International:
9. Society of Cardiovascular Anesthesiologists; PBLD: “Ethics of Appropriate Negotiations of DNR/DNI Status in Cardiothoracic Surgery”; Annual Meeting, Miami, Florida, 2013
10. Society of Cardiovascular Anesthesiologists; PBLD: “Modifying Acute Kidney Injury Risks in Cardiovascular Surgery,” Society of Cardiac Anesthesiologist; 36th Annual Meeting New Orleans, Louisiana, 2014
11. Society of Cardiovascular Anesthesiologists; Ethics Workshop: “The Ethical guidelines of Expert Witness Testimony” Society of Cardiac Anesthesiologists, 36th Annual Meeting, New Orleans, Louisiana, 2014
12. Society of Cardiovascular Anesthesiologists; **“**Congenital Heart Disease”, Society of Cardiac Anesthesiologist; 17th Annual ECHO Week, Atlanta, Georgia, 2014
13. Society of Cardiovascular Anesthesiologists; “Imaging Essentials before Ventricular Assist Device (VAD) placement-What the surgeon needs to know”, Society of Cardiac Anesthesiologists; 18th Annual ECHO Week, Atlanta, Georgia, 2015
14. Society of Cardiovascular Anesthesiologists; “Using TEE discuss Ventricular Assist Device (VAD) complications”, Society of Cardiac Anesthesiologists; 18th Annual ECHO Week, Atlanta, Georgia, 2015
15. Society of Cardiovascular Anesthesiologists; Fellows Program PBLD: “Transcatheter Aortic Valve Replacement,” Society of Cardiac Anesthesiologists; 37th Annual Meeting, Washington, DC., 2015
16. Society of Cardiovascular Anesthesiologists; PBLD “Cardiac Surgery in the Parturient”, Society of Cardiac Anesthesiologists; 37th Annual Meeting, Washington, DC., 2015
17. Society of Cardiovascular Anesthesiologists; Fellows Program PBLD: “Lung Transplantation” Society of Cardiac Anesthesiologists, 38th Annual Meeting, San Diego, California, 2016
18. Society of Cardiovascular Anesthesiologists; 35th “Image Optimization” Society of Cardiac Anesthesiologists; 19th Annual ECHO Week, Atlanta, Georgia, 2016
19. Society of Cardiovascular Anesthesiologists; 35th “Assessment of the thoracic aorta: TEE and epiaortic views” Society of Cardiac Anesthesiologists; 19th Annual ECHO Week, Atlanta, Georgia, 2016
20. Society of Cardiovascular Anesthesiologists; “Physics and Hemodynamics” Society of Cardiac Anesthesiologists; 19th Annual ECHO Week, Atlanta, Georgia, 2016
21. Society of Cardiovascular Anesthesiologists; “Case Based Small Group Discussions-Aortic Stenosis” Society of Anesthesiologists; 19th Annual ECHO Week, Atlanta, Georgia, 2016
22. Society of Cardiovascular Anesthesiologists; Fellows PBLD, Society of Cardiac Anesthesiologists, 39th Annual Meeting, Orlando, FL, 2017
23. American Society of Anesthesiologists, Basic TEE workshop Facilitator, Annual Meeting, Boston, MA, 2017.
24. Society of Cardiovascular Anesthesiologists; “Artifacts and Pitfalls”, 40th Annual Meeting, Phoenix, Arizona, 2018.
25. Society of Cardiovascular Anesthesiologists: “Advanced TEE workshop”, 40th Annual Meeting, Phoenix, Arizona, 2018.
26. Society of Cardiovascular Anesthesiologists: “Tricuspid Valve”, 41st Annual Meeting, Chicago, Illinois, 2019.
27. Society of Cardiovascular Anesthesiologists: “Interventional Workshop - Secrets of Percutaneous Procedures”, 41st Annual Meeting, Chicago, Illinois, 2019.
28. Society of Cardiovascular Anesthesiologists: PBLD “The Guidelines for Valvular Heart Disease-How to Make Sense of It All”, 41st Annual Meeting, Chicago, Illinois, 2019.
29. Society of Cardiovascular Anesthesiologists; “Artifacts and Pitfalls”, 41st Annual Meeting, Chicago, Illinois, 2019.
30. Society of Cardiovascular Anesthesiologists; “Success in Academic Practice: What I Wish I Knew When I Started My First Job”, 41st Annual Meeting, Chicago, Illinois, 2019.
31. Society of Cardiovascular Anesthesiologists: PBLD “The Guidelines for Valvular Heart Disease-How to Make Sense of It All”, 42nd Annual Meeting, West Palm, FL 2020. (meeting cancelled due to Covid-19)
32. Society of Cardiovascular Anesthesiologists: “Interventional Workshop - Secrets of Percutaneous Procedures”, 42nd Annual Meeting, West Palm, FL, 2020. (meeting cancelled due to Covid-19)
33. Society of Cardiovascular Anesthesiologists; “Artifacts and Pitfalls”, 42nd Annual Meeting, West Palm, FL, 2020. (meeting cancelled due to Covid-19)
34. International Anesthesia Research Society; “Perfusion of the Right Ventricle and Pathophysiology of Right Ventricular Failure”, San Francisco, CA, 2020. (meeting cancelled due to Covid-19).
35. Society of Cardiovascular Anesthesiologists, “Mitral Valve Repair: Roadmap to Intraoperative Evaluation and Decision Making”,43rd Annual Meeting, Virtual, 2021
36. Society of Cardiovascular Anesthesiologists, “Roundtable: Improving Gender and Racial Diversity in Cardiothoracic Anesthesia”, 43rd Annual Meeting, Moderator, Virtual, 2021
37. Society of Cardiovascular Anesthesiologists, “When Cardiothoracic Anesthesiologists and Intensivists Join the Infectious Disease Frontlines”, 43rd Annual Meeting, Virtual, 2021
38. Society of Cardiovascular Anesthesiologists, “3D TEE Workshop”, 43rd Annual Meeting, Workshop Moderator, Virtual, 2021
39. Society of Cardiovascular Anesthesiologists, Comprehensive Approach to Transcatheter Mitral Edge to Edge Repair- Soup to nuts!, 44th Annual Meeting, Moderator, Palm Springs, CA 2022
40. Society of Cardiovascular Anesthesiologists, “How to Create and Maintain an Equity, Diversity, and Inclusion Committee at Your Institution”, 44th Annual Meeting, Palm Springs, CA 2022
41. Society of Cardiovascular Anesthesiologists, “3D TEE Workshop”, 44th Annual Meeting, Workshop Moderator, Palm Springs, CA 2022
42. Society of Cardiovascular Anesthesiologists, “The Age of Simulation: Integration of Simulation into all Levels of CTA Education, Even Resources are Limited”, 44th Annual Meeting, Palm Springs, CA 2022
    1. Regional:
43. Simulation Training and Research Initiative of Atlanta (STRIA), “Integrating Simulation with Training Curricula”, Atlanta GA, June 2017
44. DEI talk, Georgia Society of Anesthesiologists , Summer meeting, 2022
    1. Institutional
45. EMPACT Pathways to Competitive Specialties Panelist, Emory University, Atlanta, GA, February 2022

**22. Abstract Presentations at National Meetings:**

a**.** National and International:

1. AR systems to explore point-of-view, bias, and trans-cultural conflict American Society of Anesthesiology Meeting, Use of Bivalirudin for Carotid Endarterectomy in a Patient with Heparin-Induced Thrombocytopenia (HIT) instead of Unfractionated Heparin, Department of Anesthesiology, Virginia Commonwealth University Medical Center, Richmond, VA **Michele L. Sumler, M.D.,** Mitsuru Nakatsuka, M.D., Olga Suarez, M.D.Orlando, FL, October 2008 (poster)
2. American Society of Anesthesiology Meeting, Changes in Lung Water After Re-expansion of Collapsed One Lung in Experimental Model Using Sheep by Estimating Extravascular Thermal Volume, Determined with the Double Indicator Dilution Method (Thermal-Sodium- Method) Department of Anesthesiology, Virginia Commonwealth University Medical Center, Richmond, VA Mitsuru Nakatsuka, M.D., Olga Suarez, M.D., **Michele L. Sumler, M.D.,** Orlando, FL,October 2008, (poster)
3. Society of Cardiovascular Anesthesiologists, 38th Annual Meeting [Successful Repair of Mixed Atrial Septal Defect Diagnosed in an Adult Patient](http://sca.planion.com/Web.User/AbstractDet?ACCOUNT=SCA&ABSID=18681&CONF=AM16&ssoOverride=OFF&CKEY=). Travis S. Steinke, MD, **Michele L. Sumler, MD**, Emory University, Atlanta, GA, San Diego, CA, April, 2016 (poster)
4. IEEE International Symposium on Mixed and Augmented Reality (ISMAR), Designing**,** Maribeth Gandy, Laura Levy, Scott Robertson, Jeremy Johnson, Jeff Wilson, Tony Lemieux, Susan Tamasi, Darlene Mashman, **Michele Sumler**, Laureen Hill, Georgia Institute of Technology, Georgia State University, Emory University, Emory University School of Medicine, Atlanta, GA, Morelia, Mexico, September 2016 (poster)
5. Society of Cardiovascular Anesthesiologists 39th annual meeting, Right coronary artery fistula to the right atrium, Jaspreet Lamba, MD, **Michele L. Sumler, MD**, Emory University, Atlanta, GA, Orlando , FL, April 2017, (poster)
6. Society of Cardiovascular Anesthesiologists 39th annual meeting, Carcinoid Heart Disease, Acute Right Heart Failure and Circulatory Support, Mckenzie Hollon, MD, **Michele L. Sumler, MD,** Emory University, Atlanta, GA, Orlando, FL, April 2017, (oral)
7. Emory Quality Conference, Building an Integrative, High fidelity Simulation Program to Enhance Teamwork and Patient Safety, Sharon Muret-Wagstaff, PhD, MPA, Darlene Mashman, MD, Kate Pettorini, RN, CNOR; Virginia Shaffer, MD; **Michele Sumler, MD**; Jyoirmay Sharma, MD, Departments of Surgery; Anesthesiology (EUH, CHOA); and Perioperative Services, Atlanta, GA, June 2017 (poster)
8. Institute for Healthcare Improvement National Forum, Improving Clinical Quality and Safety Through Immersive Teamwork Simulation and Systems Integration, Muret-Wagstaff S, Patel S, Pettorini K, **Sumler M,** Mashman D, Shaffer V, Sharma J, 2019
9. Society of Cardiovascular Anesthesiologist 42nd annual meeting, Diagnosis of Double-Valve Infective Endocarditis in a Patient with a Bicuspid Valve on Intraoperative Transesophageal Echocardiography Necessitating the Commando Procedure, Laruen Madison, MD, **Michele L. Sumler MD,** Emory University, Atlanta, GA, West Palm Beach, FL (poster), 2020 meeting cancelled due to Covid-19
10. Muret-Wagstaff S,Patel SG, Mashman DL, Pettorini K, **Sumler ML**, Shaffer VO, Rosen SA, Sharma J. Combining NSQIP data with immersive simulation to pinpoint risks in robotic surgery. American College of Surgeons Quality and Safety Conference (Virtual), July 12-16, 2021. (ePoster presentation)

**23. Research Focus:**

My primary research focus has been in the field of Augmented Reality and Simulation. I have been working with collaborators at Georgia Tech for the past 3.5 years on this project. I have also been involved in multiple cardiac studies in the cardiac division at Emory.

**24. Patents:**

* 1. Pending:

Augmented Reality System for Training Hospital OR Personnel in Teamwork and Communication Skills

1. **Bibliography**
   1. Peer-reviewed Publications:
2. **Sumler, M.**, Nunley, J., M.D. “Dermatologic look-alikes: Linear lesions on arm and leg” Cortlandt Forum, April 2005, pages 64-67
3. **Sumler, M**, Nunley, J., M.D. “Poor Dental Hygiene provides clues to draining facial lesion” Forum, September 2004, pages 51-52
4. Kennedy, Jamie; Mery, Carlos; **Sumler, Michele;** Ailawadi, Gorav; Kern, John; Groves, Danja: Exchange of a TandemHeart® to a HeartMate® II left ventricular assist device complicated by an intracardiac thrombus, Echocardiography, 2011.
5. Hollon, M, Glas, K, **Sumler, M**; 4 Valve Heart Disease and Acute Right Heart Failure and Circulatory Support, Journal of Cardiothoracic and Vascular Anesthesia, October 2017.
6. Banja, J, **Sumler, M,** Overriding advance directives: A 20-year legal and ethical overview**,** American Society for Healthcare Risk Management of the American Hospital Association, September 2019.
7. Richter, E, Sniecinski, R, **Sumler, M,** Echo Didactics: Echocardiographic Assessment of Ventricular Septal Defects, Anesthesia and Analgesia Practice, January 2020.
8. Muret-Wagstaff S, Collins, J, Mashman, D, Patel, S, Pettorini, K, Rosen, S, Shaffer, V, **Sumler, M**, Sweeney, J, In Situ Simulation Enables Operating Room Agility in the COVID-19 Pandemic, Annals of Surgery, June 2020.
9. Ngai J, Capdeville M, **Sumler M**, Oakes D, A Call for Diversity: Women and Cardiothoracic Anesthesiology Fellowship Education, Journal of Cardiothoracic and Vascular Anesthesia, January 2022.
10. **Sumler, M**, Capdeville M, Ngai J, Cormican D, Oakes D, A Call for Diversity: Underrepresented Minorities and Cardiothoracic Anesthesiology Fellowship Education, Journal of Cardiothoracic and Vascular Anesthesia, January 2022.
11. Ngai J, Capdeville M, **Sumler M**, Oakes D, A Call for Diversity: Women, Professional Development, and Work Experience in Cardiothoracic Anesthesiology, Journal of Cardiothoracic and Vascular Anesthesia, December 2022.
    1. Review Articles:
12. **Sumler, ML,** Abdrutis, MJ, Blank RS: Anesthetic Management of the Patient with Dilated Cardiomyopathy Undergoing Pulmonary Resection Surgery: A case-based discussion, Seminars in Cardiothoracic and Vascular Anesthesia 2013;17: 9-27.
13. Vadlaumudi, R, **Sumler, M**, Pre-Anesthesia Evaluation of the Patient with End-Stage Heart Failure,Best Practice & Research Clinical Anesthesiology – Anesthesia in Heart and Lung Transplantation. Elseiver, September 2017.
    1. Chapter Reviews
14. **Sumler, M.L.,** Hogue, C.H.,. Atrial Flutter Essence of Anesthesia Practice by Lee Fleisher and Michael Roizen. Saunders, Philadelphia, 3rd Edition, 2011.
15. **Sumler ML**, Hollon M, Anesthesia for Cardioversion, Out of the Operating Room Anesthesia: A Comprehensive Review by Goudra and Singh, Springer, New York, 1st edition, 2016.
16. **Sumler ML**, Hollon M, Anesthesia for Cardioversion, Anesthesiology-a stepwise approach. Springer, New York, October 2017.
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