Curriculum Vitae

Name:	Jason D. Kennedy
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Education

08/1999 - 06/2003	M.D. in Medicine from University of Alabama School of Medicine, Birmingham, AL

Training

1992 - 1999	B.A. from UAB, Birmingham Alabama
07/2003 - 06/2004	Internship from Carraway Methodist Medical Center, Birmingham, AL
07/2004 - 06/2007	Residency in Anesthesiology from University of Alabama at Birmingham Medical Center, Birmingham, AL
07/2008 - 07/2009	Fellowship in Critical Care Anesthesiology from Emory University Medical Center, Atlanta, GA
07/2009 - 07/2010	Fellowship in Cardio-Thoracic Anesthesiology from Emory University Medical Center, Atlanta, GA

Licensure and Certification

04/2008 - Present	American Board of Anesthesiology, Diplomat of the ABA of Not Specified United States
09/2009 - Present	American Board of Anesthesiology, Speciality certification in Critical Care Medicine of Not Specified United States
2010 - 06/2020	American Board of Echocardiography, Special Competence in Advanced Perioperative Transesophageal Echocardiography (2010-00022268)
06/2010 - 06/2015	Tennessee medical license, Medical License of Tennessee (46094)

Academic Appointments

07/2007 - 07/2008	Instructor in Anesthesiology, Department of Anesthesiology, University of Alabama Birmingham-UAB (Birmingham, Alabama)
07/2010 - Present	Assistant Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

Other Work Experience

11/2012 - Present	Medical Director Adult Perfusion, Vanderbilt Heart and Vascular Institute, Vanderbilt University
06/2013 - Present	Program Director Adult ECMO Program, Vanderbilt University VHVI (Nashville, Tennessee)

Professional Organizations

American Society Of Anesthesiologists

Society of Cardiovascular Anesthesiologists

Professional Activities

Intramural

02/2011 - Present	Pharmacy and Therapeutics, Pharmacology, represent interest of the Department of Anesthesiology and the hospital to the P and T commitee. Full voting member., Anesthesiology represenative
01/2012 - Present	ICU Ultrasound, Anesthesiology, Developing standardized ultrasound curriculum for Intensive Care Fellows and Anesthesiology Residents
07/2012 - Present	Extracorporeal Membrane Oxygenation Work Group, Anesthesiology, Anesthesia and Critical Care representative

01/2014 - Present	Transfusion Committee, Medicine
01/2014 - Present	Antibiotic Stewardship Committee, Medicine, Critical Care representative
03/2016 - Present	Anticoagulation Oversight Committee, Medicine, Member, represent the department of Anesthesiology and interest of Critical Care

Teaching Activities

05/2010 - Present	Lung Isolation in Thoracic Surgery, Instructor
08/2010 - 2011	Perioperative Managment of Aortic Dissections, Lecture and Group discussion, Fellows lecture room
08/2010 - 2011	Postoperative Managment of Cardiac surgery patients, lecture and group discussion, Fellows confrence room
09/2010 - Present	Echo in the ICU
10/2010 - Present	Neuroprotection and Cardiac Surgery
11/2010 - Present	Modes of Ventilation in the ICU and OR
12/2010 - Present	ICU and Cardiac Surgery
02/2011 - 2011	Vasoplegia in the Cardiac Operating Rooms, Lecture and group discussion
04/2011 - Present	ICU and Cardiac Surgery
05/2011 - Present	ICU and Cardiac Surgery
10/2011 - Present	ICU for Cardiac Surgery
12/2011 - Present	Lung Isolation in Thoracic Surgery
02/2012 - Present	Vasoplegia in the OR and ICU
02/2012 - Present	Pulmonary Hypertension
02/2012 - 02/2013	Vasoplegia in Cardiac surgery, Lecturer, Monthly lecture on Vasoplegia in CT surgery and Critical Care
08/2012 - Present	Hemodynamic Echo monitoring: Assesment of LV and RV function and clinical applicability, Simulation center
09/2012 - Present	Echo Bootcamp for ICU fellows, Course Director, Vanderbilt University, Developed a two day course to acclimate and familiarize fellows in the perioperative use of echocardiography and ultrasound for critically ill patients.
12/2012 - 2013	Right Heart Dysfunction in the Operating Room, Lecturer, Lectured for one hour on right heart failure in the perioperative environment
01/2013 - 2013	Medical Student Immersion Course: Managment of Valvular Disorders, Lecturer, Vanderbilt University, Taught a small group case-based one hour lecture on valvular abnormalities
08/2013 - Present	Mock Oral examiner, Examiner, Vanderbilt University
08/2013 - Present	Echo Bootcamp: Assessment of Ventricular Preload, Lecturer, Vanderbilt University
08/2013 - Present	Echocardiography, Course Director, Vanderbilt University, One day symposium on practical ultrasound for evaluation of critically ill patients
08/2013 - 2013	Echo BootCamp: Assessment of Global and Regional Left Ventricular Function, Lecturer, Vanderbilt University
09/2013 - Present	Critical Care Ultrasound Lecture series: Detection of Ultrasound Artifacts and Clinical Relevance, Instructor/Proctor, Vanderbilt University
09/2013 - Present	Critical Care Ultrasound Lecture Series: Pericardiocentesis and Hemodynamic Collapse, Instructor/Proctor, Vanderbilt University
01/2014 - Present	Thoracic Anesthesia, Instructor, Reviewed principles of Thoracic Anesthetic management
09/2014 - 2014	Cardiac Anesthesia resident lecture series: Critical Care for Cardiac Surgical patients, instructor, VUMC, 45 minute lecture on the critical care management issues in the post cardiac surgical patient and their relevance to the Anesthesiologist
10/2015 - Present	Weekly Cardiothoracic Anesthesia lecture series: Sedation for TAVR, Pro/Con debate, Instructor, Vanderbilt
10/2015 - Present	ABA Basic Topics in Anesthesia Lecture Series: Anesthesia for Thoracic Surgery, Instructor, Vanderbilt
12/2015 - Present	Weekly Lecture series: Anesthesia and ECMO, Instructor, Vanderbilt

Research Supervision / Mentorship

12/2015 - Present	Kelly Kohorst, M.D. Current Position: Resident Vanderbilt Department of Anesthesiology. (Resident, Clinical)

Other Significant Activities

02/2012	Author: Blood conservation in the ICU Protocol: Developed evidence-based approach to Factor VIIa utilization and product managment .This has led to the dramatic reduction in the utilization of Factor VIIa with a costs savings of approximately one-half million dollars in factor VIIa alone.
06/2012	Author: Comprehensive Institutional Guidelines for the care of adult ECMO patients at VUMC.: Authored a 72 page (single-spaced) guideline outlining the optimal care of ECMO patients in VUMC.
07/2012	Course director for Critical Care fellows rotation in Ultrasound/echo: Developed syllabus, course and lecture series for ICU fellows to become proficient in the use of cardiac, thoracic and ocular ultrasound.
11/2012	Extra-Corporeal Life Support Course : Veno-venous ECMO Course for adult respiratory failure
01/2013	Medical Director: Adult Clinical Perfusion- Vanderbilt University: Clinical Director of Perfusion- Act as a liason for perfusionist and help to develop protocls for ECMO and perfusion services for VHVI that service the the cardiac, hepatic and pulmonary transplant patient populations.
11/2013	Integrated Thromboelastopgraphy into Clinical Practice: Worked with OR staff, CVICU staff, Hematology and Lab services to get TEG data quickly and efficiently into clinical practice.
04/2014	Chair: Adult ECMO Quality Improvement Committee : Developed a dedicated and robust quality improvement process for all patients who have required ECMO at VHVI. This new multidisciplinary review process is aimed at improving outcomes for patients at VHVI.
07/2014	Author Cardiac Anesthesia Coagulation Management Guidelines: Developed evidence based coagulation management protocols for adult cardiac surgery at Vanderbilt. These were vetted by national experts from multiple institutions.
12/2014	Author: ICU Ventilator Transport Protocol: Developed guidelines in order to standardize the safe transport of mechanically ventilated patients at Vanderbilt University Medical Center.
12/2014	Director: Adult ECMO Specialist Course: Developed a one week course along with nursing educators with the aim of creating a team of dedicated nurses who will care for all ECMO patients. Activities include didactic, wet-lab, and hands-on instruction.
03/2015	Co-Author: VUMC guidlines for the administration for prothrombin complex concentrates at VUMC. : Developed evidence based guidelines for the administration of costly prothrombin complex concentrates.
07/2015	Co-Author: VUMC Postoperative Antibiotic Protocol for Ventricular Assist Device Implantation: In response to the rising incidence of fungemia and antibiotic resistant bacteria, was part of the team that developed this evidence based guideline which is consistent with national practice.
12/2015	Author Heparin Resistance Antithrombin Administration Protocol for ECMO Patients: Authored a protocol, approved by the Pharmacy and Theraputics Committee, for the evidence based administration of antithrombin for ECMO patients. This has led to the decreased use of blood products and Pro-thrombin concentrates to ECMO patients.
04/2016	Author: Intraoperative Management of Heparin Induced Thrombocytopenia Guidelines for VHVI: Authored evidence based guidelines for the management of heparin induced thrombocytopenia at VHVI.

Honors / Awards

2003	Alpha Omega Alpha Honor Society
2004	Top Ten Teacher of the Year Award, Department of Anesthesiology UAB

Publications

Peer Reviewed Publications

Abstracts

1. Costello W, Billings F, Bick J, **Kennedy J**, Wagner C. Transesophageal Echocardiography as a Hemodynamic Monitor in Post Operative Cardiac Surgery Patients. Anesthesiology 2011 Oct;15-19.

Research Articles

1. **Kennedy JD**, Sweeney TA, Roberts D, O'Connor RE. Effectiveness of a medical priority dispatch protocol for abdominal pain. 2003 Jan;89-93. PMID: 12540150.
2. Bick JS, Demaria S Jr, **Kennedy JD**, Schwartz AD, Weiner MM, Levine AI, Shi Y, Schildcrout JS, Wagner CE. Comparison of Expert and Novice Performance of a Simulated Transesophageal Echocardiography Examination. Simulation in Healthcare : Journal of the Society for Simulation in Healthcare 2013 Sep; PMID: 24030477.
3. Sileshi B, Haglund NA, Davis ME, Tricarico NM, Stulak JM, Khalpey Z, Danter MR, Deegan R, **Kennedy J**, Keebler ME, Maltais S. In-hospital outcomes of a minimally invasive off-pump left thoracotomy approach using a centrifugal continuous-flow left ventricular assist device. The Journal of Heart and Lung Transplantation : the Official Publication of the International Society for Heart Transplantation 2015 Jan;34(1):107-12. PMID: 25447579.
4. Wagner CE, Bick JS, **Kennedy J**, Haglund N, Danter M, Davis ME, Shaw A, Maltais S. Minimally invasive thoracic left ventricular assist device implantation; case series demonstrating an integrated multidisciplinary strategy. Journal of Cardiothoracic and Vascular Anesthesia 2015 Apr;29(2):271-4. PMID: 25649695.
5. Cropsey C, **Kennedy J**, Han J, Pandharipande P. Cognitive Dysfunction, Delirium, and Stroke in Cardiac Surgery Patients. Seminars in Cardiothoracic and Vascular Anesthesia 2015 Dec;19(4):309-17. PMID: 26660055.
6. Held JM, Litt J, **Kennedy JD**, McGrane S, Gunter OL, Rae L, Kahn SA. Surgeon-Performed Hemodynamic Transesophageal Echocardiography in the Burn Intensive Care Unit. Journal of Burn Care & Research : Official Publication of the American Burn Association 2016 Jan;37(1):e63-8. PMID: 26594864.
7. Bick JS, **Kennedy J**, Siegrist K, Mudrick J, Hernandez A, Bennett J, Wagner CE. Malignant Hyperthermia During Double-Lung Transplantation. Journal of Cardiothoracic and Vascular Anesthesia 2016 Apr;30(2):443-5. PMID: 26409922.

Non-Peer Reviewed Publications

Case Reports

1. JD Kennedy, R Bueno, K Kohorst, W Thayer and AB Kumar (Submitted). Severe ARDS in major burn population: Rescue ECMO when all modes of mechanical ventilation fail. 2016.

Book Chapters

1. Wagner, Ashby, Kennedy. Anesthesiology: A comprehensive Review for the Written Boards and Recertification Edited by Kai Matthes, Richard Urman, and Jesse Ehrenfeld . 2012 Nov;Chapter 20.
2. Jason D Kennedy, Robert J Deegan, Julian S Bick. Hemodynamic Monitoring During Cardiopulmonary Bypass. Monitoring Technologies in Acute Care Environments. Editors: Jesse M. Ehrenfeld, Maxime Cannesson. United States: Springer; 2013; 137-146. ISBN: 978-1-4614-8556-8.

Presentations

Presentations at Scientific Meetings

1. Costello, Bick, Kennedy, Wagner, Billings. ASA-SOCCA. American Society of Anesthesiologist; Chicago, Illinois. 2011 Oct; Transesophageal Echocardiography as a Monitor in Post Operative Cardiac Surgery Patients.
2. Society of Cardiovascular Anesthesiology Annual Meeting and Workshops. Society of Cardiovascular Anesthesiology; New Orleans2014 Apr 1; OFF-pump Minimally Invasive Implantation of HeartWareÂ® Ventricular Assist Device: Anesthetic Considerations.
3. 36th Annual Meeting and Workshops. Society of Cardiovascular Anesthesiology; New Orleans, Louisiana. 2014 Apr 2; ECMO Primer: A How to Approach.
4. International Society of Heart and Lung Transplant Meeting 2014. International Society of Heart and Lung Transplant Society; San Diego, California. 2014 Apr 11; HeartWare Ventricular Assist Device Implantation: Are In-Hospital Outcomes using a Minimally Invasive Thoracotomy Approach Comparable to Conventional Sternotomy?.
5. International Society of Heart and Lung Transplant Meeting 2014. International Society of Heart Lung Transplant; San Diego, California. 2014 Apr 11; Can a Minimally Invasive OFF-pump Implantation Strategy be Considered Safe for Selected Patients Undergoing HeartWare Ventricular Assist Device Implantation?.

6. K Kohorst M.D, J Kennedy M.D., AD Shaw M.D., R Deegan M.D. Society of Cardiovascular Anesthesiologist. Society of Cardiovascular Anesthesiologist; Washington, District of Columbia. 2015 Apr 13; Intraoperative use of Echo Contrast to Facilitate Diagnosis of Apparent Left Atrial Appendage Mass.
7. Jenny M. Held, MD; Jeffrey Litt, DO; Jason D. Kennedy, MD; Stuart McGrane, MBChB; Oliver L. Gunter, MD; Lisa Rae, MD; Steven A. Kahn, MD. American Burn Association. American Burn Association; Chicago, Illinois. 2015 Apr 21; Surgeon-Performed Hemodynamic Transesophageal Echocardiography in the Burn ICU.
8. UHC Annual Meeting. University HealthCare Consortium; New Orlens, Louisiana. 2015 Sep; Appropriateness of off-label use of recombinant factor VIIa in cardiothoracic surgeries at Vanderbilt University Hospital.
9. American Society of Anesthesiologist Annual Meeting and workshop. American Society of Anesthesiology; San Diego, California. 2015 Oct 1; When Five Modes of Ventilation Fail: A Case of Successful Management of Acute Refractory Hypoxemia with VV ECMO in a Major Burn Patient.
10. National Proceedings: CTEPH 2016. University of California: San Diego Sulpizio Cardiovascular Center; San Diego, California. 2016 Mar; Initiation of ECMO Prior to Anesthesia Induction in a Patient Undergoing Pulmonary Thromboendarterectomy.

Panel Presentation

1. Society of Cardiovascular Anesthesiology Annual Meeting and Workshops. Society of Cardiovascular Anesthesiology; San Diego, California. 2016 Apr 2; Coagulation Workshop: Hands On Station.

Invited Presentation - Regional

1. Tennessee Perfusionist Society. Nashville, Tennessee. 2011 Sep 24; Colloids vs. Crystaloids in Cardiac surgery.

Invited Presentation - National

1. New Horizons in Anesthesiology. Emory University Department of Anesthesiology; Vail, Colorado. 2014 Feb 17; Management of Vasoplegia in the perioperative setting.
2. New Horizons in Anesthesiology. Emory Department of Anesthesiology; Vail, Colorado. 2014 Feb 18; Perioperative Pulmonary Hypertension.
3. New Horizons in Anesthesiology. Emory University Department of Anesthesiology; Vail, Colorado. 2014 Feb 18; Hypoxemia in the OR- getting the most of the Ventilator.
4. New Horizons in Anesthesiology. Emory University Department of Anesthesiology; Vail, Colorado. 2014 Feb 19; Non-cardiac management of patients with Ventricular assist device.
5. Society of Cardiovascular Anesthesiology Annual Meeting and Workshops. Society of Cardiovascular Anesthesiology; San Diego, California. 2016 Apr 2; ECMO: A Bridge to Where Exactly?.

Invited Presentation - International

1. Society of Cardiovascular Anesthesiologist. Society of Cardiovascular Anesthesiologist; Washington, District of Columbia. 2015 Apr 12; Setting up an ECMO service.
2. Society of Cardiovascular Anesthesiologist. Society of Cardiovascular Anesthesiologist; Washington, District of Columbia. 2015 Apr 14; Ventricular Assist Device Implantation: Clinical Pearls.

Internal Grand Rounds

1. Grand Rounds Department of Anesthesiology. Vanderbilt Department of Anesthesiology; Nashville, Tennessee. 2013 Feb 1; Perioperative Management of Right Ventricular failure.
2. Anesthesia Departmental Grand Rounds. Department Of Anesthesiology; Nashville, Tennessee. 2016 Jan 8; Management of Patients with Pulmonary Hypertension and Right Ventricular Failure.

Problem based learning discussion

1. Jason Kennedy and Mark Taylor. 34th Annual Meeting and Workshops. Society of Cardiovascular Anesthesiologist; Boston, Massachusetts. 2012 Mar 29; Cooling After Cardiac Arrest.
2. Jason Kennedy, Gregory Nuttall. 35th Annual Meeting & Workshops. Society of Cardiovascular Anesthesiology; Miami, Florida. 2013 Apr 7; Risk Benefit Decision Making: Administering recombinant factors in cardiovascular Surgiery patients.

Workshop

1. Society of Cardiovascular Anesthesiologist. Society of Cardiovascular Anesthesiologist; Washington, District of Columbia. 2015 Apr 12; Lumbar Spinal drainage in Aortic surgery.