Curriculum Vitae

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Education

1999	B.S. from University of Miami, FL United States
2003	M.D. from University of South Florida, FL United States

Training

2003 - 2005	Residency in General Surgery from University Hospitals of Cleveland, Case Western Reserve University School of Medicine, Cleveland, OH
2005 - 2008	Residency in Anesthesiology from University Hospitals of Cleveland, Case Western Reserve University School of Medicine, Cleveland, OH
2008 - 2009	Fellowship in Critical Care from Barnes-Jewish Hospital, Washington University School of Medicine, St. Louis, MO

Licensure and Certification

N/A	Medical License, Tennessee Medical License of Tennessee United States

Academic Appointments

12/2009 - 03/2012	Assistant Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
03/2012 - Present	Assistant Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

Professional Organizations

2005	American Society of Anesthesiologists
2014	Society of Critical Care Medicine

Professional Activities

Intramural

06/14 - Present	Neurocare Quality Improvement Group, Anesthesiology, The role of this committee is to find ways to improve care in the Neuro ICU. We will be looking at ways to improve safety and efficiency, and resource utilization., Contributor
01/2012 - 12/2015	Critical CAre Fellowship Committee, Anesthesiology, I evaluated potential fellowship candidates. This involved reviewing multiple CVs, personal statements, and interviews w/candidates whom we invited for interview.
10/2012 - Present	Sustainability VUMC, Sustainabilty VUMC (partnered with Sustain VU)
07/2014 - Present	Standardization of Practice, Anesthesiology, we are developing protocols to standardize practice across the division when it comes to commonly encountered issues in critical care., Chair, develop protocols for standardizing practice

Teaching Activities

2009 - Present	CCSW: Hemodynamic Monitoring, Vasopressors and Inotropes, Instructor / Lecturer
2009 - Present	CCSW: Resuscitation in the ICU: Why vs Why Not, Instructor / Lecturer

2009 - 2010	Intern Matrix Assistant Administrator
2011 - Present	FCCS: Central Vascular Access, Instructor, Vanderbilt, Instructing participants how to obtain central venous access under sterile technique. Additionally, teaching how to use ultrasound to guide placement of central lines.
10/2011 - Present	Oral Board Preparation: Oral Board Preparation, Instructor, 414 Light Hall, Teaches residents how to dissect a stem, and prepare for concepts/problems, that are likely to come up. Also demonstrates proper way to present/defend your answer/approach. I recently took the lead in this course w/the departure of Dr.Hayes.
06/2012 - Present	Rising CA-1 instructor, CELA, Also starting for the first time. We will provide simulation scenarios in an OR setting to help the CA-1 residents better understand and respond to frequently encountered problems in the OR.
06/2012 - Present	Intern Boot Camp: Intern Boot Camp, Instructor, I will be starting this June for the first time. To my understanding, we will be providing the incoming interns w/an overview of commonly encountered scenarios, physiology/pathophysiology, and technical instruction.
06/2012 - 06/2012	Introduction/Induction of general anesthesia: Rising CA-1's, co-instructor, CELA, Covered induction of anesthesia and potential common complications and how to recognize and manage these complications.
08/2012 - 08/2012	CA1 Survival Series: Anesthesia for the Morbidly Obese Patient" and "OSA patient", Instructor, Light Hall, Case presentation of a morbidly obese patient (using an oral board scenario). Discussion of potential intra, and periop complications including management and prevention.
08/2012 - 08/2012	Rising CA-1 series: Treating the Morbidly Obese Patient; Obstructive Sleep Apnea, co-instructor, Light Hall, We went over a case scenario involving a morbidly obese patient. We covered relevant information that you would want to know preoperatively. We discussed how the patient's comorbidities would affect anesthetic management and postoperative planning.
09/2012 - 09/2012	Critical Care Immersion: Acid/Base Disorders, instructor, MCE, This was also an interactive lecture in which we discussed how to identify acid/base disorders, then followed up with case scenarios. We also discussed appropriate management of acid/base disturbances.
09/2012 - 09/2012	Critical Care Immersion: Electrolytes, Disturbances and Management, instructor, MCE, Interactive lecture discussing abnormal electrolytes, signs and symptoms, and then appropriate management.
11/2012 - Present	Critical Care Skills Week: Critical Care in Pregnancy, instructor, CELA, Discussion of the physiologic changes in pregnancy and how this affects assessment and management of a patient presenting with a critical illness.
11/2012 - 11/2012	Special Considerations: FCCS (Fundamentals of Critical Care Skills), Instructor, Light Hall, I covered specific topics: Venous thromboembolism, PE, GI bleed, Hypertensive crisis/emergency, drug overdose/toxicity, and intra-abdominal compartment syndrome.
11/2012 - 11/2012	Fundamentals of Critical Care Support: Special Considerations, Instructor, Light Hall, Disccusion of assessment/management of PE, DVT, GI bleed, medication overdose, and hypertensive emergencies.
11/2012 - 11/2012	Critical Care Immersion Course: Acute Cognitive Decline, Instructor, MCE, This was a discussion on how to approach the patient w/an acute cognitive decline, including assessment/management (ABCs, cardiopulmonary support, labs and other tests) depending on the patient's presentation.
11/2012 - 11/2012	Pregnancy: Critical Care Skills, instructor, CELA, I taught concepts related to physiologic changes of pregnancy and how they relate to management of a critically ill pregnant patient. Included areas such as airway management, bleeding, preeclampsia, eclamsia, etc.
05/2013 - 05/2013	CA-1 Simulation: CA-1 simulation, instructor, CELA, Local Anesthetic Toxicity, PE, out of OR emergency.
07/2013 - 07/2015	Advanced ABA lecture series: Oral Board Prep, Instructor, Light Hall, Once a month I meet with the senior residents and we discuss how to dissect an oral board stem, how to prepare your responses, and how answer so as to sound like an expert consultant in Anesthesiology.
10/2014 - 10/2014	Critical Care Skills Week: Neurologic Support, Instructor, CELA, I taught students how to identify a patient with mental status changes, and do an appropriate assessment to figure out the etiology and manage appropriately.
10/2014 - 10/2014	Critical Care Skills Week: Diagnosis/Management of Shock, Instructor, CELA
10/2014 - 10/2014	Critical Care Skills Week: Ethics in the ICU, Instructor, CELA

10/2014 - 10/2014	Advanced ABA lecture series: Anesthesia for the Older Patient, Instructor, Light Hall, Discussion of Chapter in Barash that discusses anesthetic implications for the elderly patient. Q&A format.
02/2015 - 02/2015	Critical Care Skills Week: Diagnosis/Management of Shock, Instructor, CELA
02/2015 - 02/2015	Critical Care Skills Week: Monitoring Oxygen Balance SIM, Instructor, CELA, We discussed how to identify patients that are underperfusing and how to determine what the possible causes are. We did simulated scenarios covering Septic Shock, Acute MI & CHF exacerbation, PE, and Anaphylaxis.
04/2015 - 04/2015	Critical Care Immersion: Case Based Learning, Moderator/instructor, CELA, We discussed patients that the students are following. They presented a specific topic related to their patients. We also discuss the more complicated aspects of their care.
04/2015 - 04/2015	Advanced ABA Lecture series: The Allergic Response, Instructor, Light Hall, I discussed the chapter from Barash related to the Allergic Response. I started w/molecular basis for allergic response, then finishing w/clinical implications.
06/2015 - 06/2015	Critical Care Medicine Basics: Case presentations, Instructor, MCE 3161, Students will present patients that they've been following on rounds. As a group, we will discuss the case. i will also provide feedback as to how to improve their presentations.
06/2015 - 06/2015	Critical Care Medicine Basics: Defining the Critically Ill patient, Instructor, MCE 3161, We will be discussing what qualifies as "critically ill."
07/2015 - 07/2015	CA-1 Survival Series: Renal Transplant Recipient, Co-instructor, Light Hall
07/2015 - 09/2015	CA-1 Survival Series: Poorly Controlled Hypertensive Patient, Co-instructor, Light Hall, Provided instruction alongside one of the senior residents in teaching CA-1's how to manage patients w/chronic hypertension.
09/2015 - 09/2015	Critical Care Immersion: Simulation, Instructor, CELA
09/2015 - 09/2015	Critical Care Skills Week: Trauma/Burn/Fluid Management, Instructor, CELA, Instruction regarding resuscitation of burn and trauma patients.
09/2015 - 09/2015	Critical Care Skills Week: Diagnosis and Management of Shock, Instructor, CELA, Discussion of concepts of shock, then case-based simulation in CELA. x 2 sessions. Also involved Simulation.
09/2015 - 09/2015	Critical Care Immersion: Case Based Learning, Instructor/Moderator, Light Hall, Discussion of various topics in medicine via specific cases seen on rounds in the ICU.
09/2015 - 09/2015	Critical Care Immersion: Case Based Learning, Moderator, Instructor, Light Hall
09/2015 - 09/2015	Critical Care Immersion: Journal Club, Moderator, Light Hall, Discussion of journal's regarding relevant topics in critical care.
09/2015 - 09/2015	Critical Care Immersion: Oximetry, Instructor, Light Hall, Discussion of concepts behind oximetry, function, and relevance.
09/2015 - 09/2015	Critical Care Immersion: Case Based Learning, Instructor/Moderator, Light Hall, Provided guidance as students explored critical areas regarding the pathophysiology and medical care for critically ill patients with specific disease processes.
11/2015 - 11/2015	ABA Advanced Topics in Anesthesia: Oral Board Preparation, Instructor/Examiner, Light Hall, Oral Board prep through practice exams
12/2015 - 12/2015	Advanced ABA Topics in Anesthesiology: Oral Board Preparation, Instructor/Examiner, Light Hall
01/2016 - 01/2016	Advanced Topics in Anesthesiology: Oral Board Preparation, Instructor/Examiner, Light Hall
02/2016 - 02/2016	Global Assessment: Interns Clinical Based Scenario, Instructor, CELA, Observation and instruction of interns discussing procedures w/standardized patients. Placement of Central line. Discussion of complications, breaking bad news.
02/2016 - 02/2016	Advanced Topics in Anesthesiology: Oral Board Preparation, Instructor/examiner, Light Hall, Also could qualify as Resident Lecture Series
02/2016 - 02/2016	Critical Care Skills Week: Critical Illness-Pregnancy, Instructor, CELA, Instruction regarding critical complications in Pregnancy x 4 courses.
03/2016 - 03/2016	Fundamentals of Critical Care Skills: Integrated Sepsis, Instructor, CELA, Discussion of Sepsis and simulation.
03/2016 - 03/2016	Critical Care Skills Week: Cardiopulmonary and Cerebral Resuscitation, Instructor, CELA
03/2016 - 03/2016	Advanced Topics in Anesthesiology: Oral Board Preparation, Instructor/Examiner, Light Hall
04/2016 - 04/2016	ABA Advanced Topics in Anesthesiology: Oral Board Preparation, Instructor/Examiner, Light Hall

04/2016 - 04/2016	Retirement Planning for Interns and Residents, Instructor, Burn ICU, Discussion of basic retirement concepts to prepare interns/residnets for the future. Concepts: Mutual Funds, Fees/Expense ratios, Index funds, Roth IRA.
05/2016 - 05/2016	Fundamentals of Critical Care Skills: Recognition and Assessment of the Seriously Ill Patient, Instructor, Simulation, CELA, x 4 sessions.
05/2016 - 05/2016	ABA Advanced Topics in Anesthesiology: Oral Board Preparation, Instructor/Examiner, Light Hall

Research Supervision / Mentorship

2011 - Present	Holly Brooks, ACNP, Diploma In Nursing Vanderbilt University Medical Center, Neurocare ICU, Current Position: ACNP. (Faculty, General Mentorship)
07/2011 - 06/2012	Derick Nelson Jenkins, M.D. VUMC, Current Position: Intern. (Resident, Education)
07/2011 - 06/2012	Sheena Weaver, M.D. VUMC, Current Position: Assistant Professor. (Faculty, General Mentorship)
07/2014 - Present	Bradley Kook, M.D. VUMC, Current Position: CA-1 resident. (Faculty, General Mentorship)
07/2014 - Present	David Byrne, M.D. VUMC, Current Position: CA-1 resident. (Faculty, General Mentorship)

Other Significant Activities

2000	Project World Health (Medical Missions to the Dominican Republic: University of South Florida College of Medicine Sponsored project. Engaged from 2000-2003.
01/2011	Vanderbilt AED Shadowing program: This program allows pre-med undergraduate students an opportunity to rotate through, and observe, various medical fields/specialties. I've typically had students w/me on rounds in the NCU, and I've also escorted students through the OR.
10/2014	Standardization of Practice Protocol: ACCM Rapid Sequence Induction and Intubation: as with other protocols
11/2014	Standardization of Practice Protocol: ACCM protocol for peri-operative Beta Blockade: Evaluation, review/revision of peri-operative Beta Blockade protocol.
12/2014	Standardization of Practice Protocol: ACCM Protocol for RBC Transfusion: Evaluation, revision/editing of RBC transfusion protocol and guidelines
12/2014	Standardization of Practice Protocol: ACCM Pain, Agitation, Sedation, and Delirium Management: Evaluation, revision/editing of protocol
12/2014	Standardization of Practice Protocol: ACCM Airway Management: As with other protocols
06/2015	Critical Care Medicine Basics: I have taken over this course for the VSM II medical students. It is a 2 week course. I have organized their lectures and appropriate lecturers. During this course I will myself be teaching 3 days.
07/2015	Standardization of Practice Protocol: VTE Prophylaxis (Orthopedic Surgery): Evaluation, revision/editing, reformatting of VTE Prophylaxis protocol.
07/2015	Standardization of Practice Protocol: Non-Orthopedic Surgery VTE Prophylaxis: Evaluation, revision/editing, and re-formatting of protocol
10/2015	Standardization of Practice Protocol: ACCM Antifungal Therapy: First Author: Roy Neeley Development of AntiFungal treatment guidelines based on data from ISDA & ESCMID.
11/2015	Standardization of Practice Protocol: Steroid Protocol: Evaluation and review, w/revisions, of steroid protocol for ICU.
02/2016	Standardization of Practice Protocol: ACCM Hypothermia Guidelines: First Author: Roy Neeley Second Author: Melissa K. Stewart Melissa and I wrote the guidelines for initiating hypothermia after V-fib arrest.
02/2016	Standardization of Practice Protocol: ACCM Foley Management: Evaluation, revision/editing of protocol r/t mgmt of Foley catheters in order to reduce risk for CAUTI.
03/2016	Standardization of Practice Protocol: ACCM CVC Guidelines: Evaluation, revision/editing of protocol for management of CVC's in the ICU.
03/2016	Standardization of Practice Protocol: ACCM Nutrition Guidelines: Evaluation, revision/editing of guidelines for management of enteral and parenteral nutrition for ICU patients.

04/2016	Standardization of Practice Protocol: ACCM GI Prophylaxis: Evaluation, revision/editing of protocol
05/2016	Standardization of Practice Protocol: ACCM Guidelines for Management of Atrial Fibrillation: Ongoing: Evaluation, revision/editing of guidelines for management of atrial fibrillation in peri-operative and critical care setting.

Honors / Awards

1999	Cum Laude, University of Miami
1999	Florida Scholars Award, University of Miami
2002	Honors Course in Surgery, University of South Florida College of Medicine

Publications

Peer Reviewed Publications

Case Reports

1. Stephanie R Mehr, Roy C Neeley, Melissa Wiley and Avinash B. Kumar. Profound Autonomic Instability Complicated by Multiple Episodes of Cardiac Asystole and Refractory Bradycardia in a Patient with Anti-NMDA Encephalitis. Case Reports in Neurological Medicine 2016 Apr;2016(2016):1-5. PMID: 0000-0002-6685-6018 PMCID: Article ID 7967526.

Non-Peer Reviewed Publications

Abstracts

1. S. Eleswarpu, B. Kook, B. D. Alvis, R. Neeley, N. Ashby. PROPYLENE GLYCOL TOXICITY WITH PENTOBARBITAL INFUSION FOR TREATMENT OF REFRACTORY NON-CONVULSIVE STATUS EPILEPTICUS. 2016 May.

Book Chapters

1. Roy Neeley, MD. Monitoring Technologies in Acute Care. Monitoring Technologies in Acute Care. Editors: Jesse Ehrenfeld, MD, and Maxime Cannesson, MD. United States.
2. Roy Neeley, MD. Acute altered mental status. Clinical Decision Support: Critical Care Medicine. Editors: Drs. Kellum, Fortenberry, Fuchs and Shaw. United States2013 May.

Presentations

Other

1. Midwest Anesthesia Residents' Conference. 2008; Treatment of Beta Blocker Refractory Cardiac Ischemia Intraoperatively with Low Dose Neostigmine.
2. Roy Neeley, Jenna Halpern. Vanderbilt Orthopedic Surgery Department M&M. Vanderbilt Dept. of Orthopedic Surgery; Nashville, Tennessee. 2015 Jan; Management of Pulmonary Embolus Intraoperatively.

Medically Challenging Cases

1. American Society of Anesthesiologists Annual Meeting. ASA; 2007; Cardiogenic Shock in the Setting of Hemorrhagic Shock.
2. Jay Barron, MD; Roy Neeley, MD. ASA Annual Meeting. San Diego, California. 2010 Oct; The Risks and Benefits of Dual Anti-Platelet Therapy.
3. Jeremy Bennett, MD. American Society of Anesthesiologists. Chicago, Illinois. 2011 Oct; Management of Refractory ITP in a Patient with Intracranial Hemorrhage.
4. Chris Cropsey, MD. ASA. Denver, Colorado. 2012 Aug; Airway Management for an Unusual Cause of Supraglottic Stenosis.

Workshop

1. Roy Neeley. SEA Spring Meeting. SEA; Salt Lake City, Utah. 2013 May 31; 5 Simple Rules for Taking a Better Photograph (as part of Track 3 - Lecturing for Learning: Applying Fundamental Concepts to Enhance Didactic Instruction).

Internal Grand Rounds

1. Roy Neeley, Scott Stephan, Terry Bosen. Multidisciplinary MMI. Departments of Anesthesia & Surgery; Nashville, Tennessee. 2015 Mar 12; Hypertensive Emergency Secondary to Inappropriate Drug Dosage.