

Curriculum Vitae

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Training

08/1998 - 05/1999 Nursing from Samford University, Birmingham, Al.
08/1999 - 05/2002 B.S. in Biology from University of South Florida, Tampa, Fl.
08/2002 - 05/2006 M.D. from University of Florida, Gainesville, Fl.
07/2006 - 06/2007 Internship in Anesthesiology from Vanderbilt University Medical Center, Nashville, Tn.
07/2007 - 06/2010 Residency in Anesthesiology from Vanderbilt University Medical Center, Nashville, Tn.
07/2009 - 06/2010 Chief Resident from Vanderbilt University Medical Center, Nashville, Tn.
08/2010 - 07/2011 Fellowship in Pediatric Anesthesiology from Vanderbilt University Medical Center, Monroe Carell Jr. Children's Hospital, Nashville, Tn.

Licensure and Certification

12/2006 - Present Clinical, Fundamentals of Critical Care Support Course of Tennessee United States
08/2010 - 08/2014 Medical License, Tennessee Medical License of Tennessee United States (43152)
10/2010 - Present ACLS, Advanced Cardiac Life Support of Tennessee United States
10/2010 - Present BLS, Basic Life Support of Tennessee United States
04/2011 - 12/2021 Anesthesiology Board Certification, ABA Certificate of Tennessee United States (47251)
06/2011 - Present PALS, Pediatric Advanced Life Support of Tennessee United States
10/2013 - 10/2023 Pediatric Anesthesiology Board Certification, Pediatric Anesthesiology Board Certification of Tennessee United States (47251)

Academic Appointments

07/2009 - 07/2010 Chief Resident of Anesthesiology, Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)
07/2010 - 07/2011 Instructor of Clinical Anesthesiology, Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)
08/2010 - 07/2011 Clinical Fellow in Anesthesiology, Vanderbilt University (Nashville, Tennessee)
08/2010 - 07/2011 Instructor in Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)
08/2011 - Present Assistant Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
08/2012 - Present Director of Pediatric Anesthesia Resident Rotation, Anesthesiology, Vanderbilt Children's Hospital (Nashville, Tennessee)
01/2015 - Present Associate Residency Program Director, Department of Anesthesiology, Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)

Professional Organizations

2002 American Medical Association, Member
2006 American Society of Anesthesiologists, Member
2006 Tennessee Society of Anesthesiologists, Member
2009 Society for Pediatric Anesthesia, Member

Professional Activities

Intramural

07/2007 - 06/2010	House Staff Alliance Committee, Medical Education :ADMINISTRATION, Resident
06/2009 - 07/2010	Graduate Medical Education Committee, Medical Education :ADMINISTRATION, Chief Resident
07/2009 - 06/2010	Resident Clinical Competency Committee, Anesthesiology, Chief Resident
07/2009 - 06/2010	Resident Education Committee, Anesthesiology, Resident
10/2011 - 03/2012	Anesthesiology Admission Committee, Anesthesiology, committee member, interviewer, interviews
08/2012 - Present	Anesthesiology Resident Education Committee, Anesthesiology, Member
08/2012 - Present	Anesthesiology Resident Clinical Competency Committee, Anesthesiology, Member
11/2012 - 03/0	Anesthesiology Resident Admission Committee, Anesthesiology, Interviewer

Teaching Activities

03/2010 - 03/2010	Resident Lecture Series: Mechanisms of Succinylcholine, Lecturer, VUH
03/2011 - 03/2011	CA-3 Resident Simulation, Instructor, CELA
04/2011 - 04/2011	CA-3 Resident Simulation, Instructor, CELA
04/2011 - 04/2011	CA-2 Simulation for Residents, Instructor, CELA
05/2011 - 05/2011	Pediatric Anesthesia Resident Lecture Series: Pediatric PACU Issues, Lecturer, VCH
06/2011 - 06/2011	Pediatric Resident Lecture Series: Pediatric PACU Issues, Lecturer, VCH
08/2011 - 08/2011	Pediatric Simulation: MH, bronchospasm, SVT, Instructor, CELA
08/2011 - 08/2011	Didactics for Non-Anesthesia Provider Rotation: Anesthesia Didactics for Non-Anesthesia Providers, Lecturer, VCH
09/2011 - 09/2011	Pediatric PACU Issues, Lecturer, 4512
11/2011 - 11/2011	ca-3 simulation: ca-3 simulation, instructor, cela, ca-3 simulation, central o2 failure, LA toxicity, PEA arrest after childbirth
11/2011 - 11/2011	Pediatric Anesthesia Simulation: Pediatric Anesthesia Simulation, Instructor, CELA, Pediatric Simulation for the ca-2 and ca-3 residents on the pediatric anesthesia rotation, 2 hours
12/2011 - 2011	CA-1 simulation, Instructor, CELA, OOR Airway Trouble, Bradycardia after spinal anesthesia, Blown IV/bronchospasm, Bleeding/hypotension/anaphylaxis
12/2011 - 2011	pediatric sim 12/20/2011: Pediatric Anesthesia resident simulation, Instructor, CELA, mask induction of a neonate, bronchospasm followed by ptx, LA toxicity in pacu
12/2011 - 2011	Pediatric Anesthesia Resident Lectures: Apnea of Prematurity, Lecturer, vch 12/12/2011, Lecture on Apnea of Prematurity
03/2012 - 2012	CA 3 simulation, Instructor, CELA, 3/1/2012 CA3 simulation, pre-eclampsia, DLT
03/2012 - 03/2012	Pediatric Anesthesia Resident Lectures: Pediatric PACU Issues, Lecturer, VCH, 3/15/2012, Lecture on Pediatric PACU issues
04/2012 - Present	MOCK ORAL BOARD EXAMINER, CELA, Administering mock oral board exams to CA-3 residents and anesthesia fellows
05/2012 - Present	Pediatric PACU issues, VCH, Pediatric PACU issues lecture for anesthesia residents and SRNAs 5/15/2012
06/2012 - 06/2012	pediatric anesthesia resident lecture series: Apnea of prematurity, lecturer, VCH
08/2012 - Present	Perioperative Nursing: Pediatric Airways in the Perioperative Period, Instructor, VCH, 1 hour lecture about pediatric airways for the perioperative nursing staff.
09/2012 - Present	Mock orals for residents, examiner, CELA
09/2012 - 09/2012	Pediatric Anesthesia Simulation Session, Instructor, CELA, Bronchospasm, Hypotension from acute blood loss, SVT, VAE, PEA
09/2012 - 09/2012	Peds Anesthesia Lecture series: Pediatric Airway and Airway Tools, Instructor, VCH, Pediatric airway, management and tools
09/2012 - 09/2012	PACU/PREOP Nursing Education: Pediatric Airways in the Perioperative Period, Lecturer, VCH, Pediatric Airway Education Talk for PACU and PREOP nurses at VCH, 1 h
11/2012 - 11/2012	Pediatric Resident Lecture Series: Pediatric Airway in the Perioperative Period, Lecturer, VCH, Pediatric resident orientation: Airway Lecture 11/19/2012
11/2012 - 11/2012	Pediatric Anesthesia Simulation, Instructor, CELA, 3 hour sim session focused on pediatric cases

12/2012 - 2012	Pediatric Anesthesia Simulation Session, Instructor, CELA, 12/17/2012 Pediatric Anesthesia Scenarios for the Anesthesia residents on service.
12/2012 - 12/2012	CA-1 anesthesia simulation, instructor, CELA, Anesthesia Simulation. SBO and AFIB, bronchospasm with blown iv, High spinal
01/2013 - Present	Pediatric Airway in the Perioperative Setting, Lecturer, VCH, 1/14/2013
01/2013 - Present	Pediatric Anesthesia Simulation Session, Instructor, CELA, 3 hour simulation session for Pediatric Anesthesia residents on service
01/2013 - Present	DLT, OB, O2 failure, 1/17/2013: CA-3 resident 2 h simulation session, Instructor, CELA, DLT troubleshooting, PE with PEA arrest post partum, O2 failure
02/2013 - Present	MRI for Pediatric Anesthesia, Instructor, VCH 4512, MRI safety for Pediatric Anesthesia 2/11/2013
03/2013 - Present	MRI for Pediatric Anesthesia, Lecturer, VCH, Pediatric Anesthesia for MRI
03/2013 - Present	Pediatric Airway in the Perioperative Setting, Lecturer, VCH, Lecture series for orientation to pediatric anesthesia rotation
03/2013 - Present	Pacu Issues, Instructor, VUH, Pediatric anesthesia rotation lecture series, 30 min
04/2013 - 04/2013	Pediatric Airway in the Perioperative Setting, Lecturer, VCH, Lecture give to new residents on pediatric rotation as part of orientation. 1 h
04/2013 - 04/2013	Pediatric MRI, lecturer, VCH, MRI safety lecture and pediatric cases in MRI, given as part of orientation to Pediatric anesthesia rotation, 30m
04/2013 - 04/2013	Pediatric Anesthesia Simulation, Instructor, CELA, Pediatric Simulations including bronchospasm, laryngospasm, VAE, VT/VFIB, SVT, MH, 3h
05/2013 - Present	Pediatric PACU Issues, lecturer, VCH, 30 min lecture on pediatric pacu issues
05/2013 - Present	Pediatric MRI, Lecturer, VCH, MRI safety and Anesthesia in Children, 30 min
06/2013 - 2013	Pain Control for PACU and PCCU Children: Art of Anesthesia Fellow Conference, Instructor, VCH, 30 min fellow conference 6/17/2013
06/2013 - 06/2013	Case Conference, Instructor, VCH, 30 min case conference
07/2013 - Present	The Pediatric Airway in the Perioperative Period, Lecturer, VCH, 1 h lecture on pediatric airway. 7/1/13
07/2013 - Present	Safety and Pediatric MRI, lecturer, VCH, 30 m lecture on pediatric MRI and MRI safety. 7/2/2013
07/2013 - Present	Pediatric Anesthesia Simulation, Instructor, CELA, 3 hours of pediatric anesthesia simulation for residents. 7/8/2013
07/2013 - Present	Pediatric Anesthesia: Introduction to Pediatric Anesthesia, Lecturer, VCH, 1 h orientation/introduction to pediatric anesthesia rotation. 7/1/13
08/2013 - Present	Pediatric PACU Issues, Lecturer, VCH, 30 minute lecture for residents and SRNAs on Pediatric PACU Issues
08/2013 - Present	Pediatric Emergencies, Instructor, CELA, 3 h simulation session for pediatric anesthesia emergencies.
08/2013 - Present	Introduction to Pediatric Anesthesia, Lecturer, VCH, 1.5 h introduction to peds anesthesia
09/2013 - Present	Oral Board Review, Lecturer, VCH, 1 h lecture on oral board prep and presentation.
09/2013 - Present	OralMaxilloFacial Surgery Resident Lecture: Pediatric Airway and Sedation for Non-Anesthesia Providers, Lecturer, TVC 1602, 1.5 h lecture to OMFS residents and faculty regarding pediatric airways and sedation. 9/27/2013
09/2013 - Present	Intro to Pediatric Anesthesia, Lecturer, VCH, 30 min lecture on introduction to pediatric anesthesia
09/2013 - Present	Thoracic Anesthesia for Pediatrics, Lecturer, VCH, 30 min lecture on pediatric thoracic anesthesia
10/2013 - Present	CCSW: CCSW: Cerebral Resuscitation, Instructor, CELA, 2 hours of simulation on Cerebral Resuscitation/CPR for 4th year medical students
10/2013 - Present	CCSW: CCSW Cardiopulmonary Resuscitation, Instructor, CELA, 2 hour course for 4th year medical students involving CPR and VFIB, PVTACH scenarios.
10/2013 - Present	Pediatric Anesthesia: Thoracic Surgery, Lecturer, VCH 5009, 1h lecture to fellows on thoracic surgery and anesthesia for pediatric thoracic pts.
10/2013 - Present	Orientation to Pediatric Anesthesia, Instructor, VCH, 1 h intro to pediatric anesthesia
10/2013 - Present	MRI for pediatrics, Instructor, VCH, 30 min lecture on MRI for pediatrics 10/21/2013
10/2013 - Present	Pediatric Anesthesia Simulation, Instructor, CELA, 3 h pediatric urgency and emergency simulations. 10/21/2013
11/2013 - Present	Orientation to Pediatric Anesthesia, Lecturer, VCH 2104, 1.5 h introductory lecture on pediatric anesthesia

11/2013 - Present	Pediatric Urgencies and Emergencies, Instructor, CELA, 3 h simulation session
12/2013 - Present	Pediatric Thoracic Surgery and Anesthesia, Lecturer, VCH 8009, 30 min lecture on pediatric thoracic surgery and anesthesia.
01/2014 - Present	Fellow lecture series: Endoscopy and foreign body in Pediatrics, Lecturer, VCH 5009, 1 h lecture on endoscopy and foreign bodies in pediatric patients.
01/2014 - Present	Introduction to Pediatric Anesthesia, lecturer, vch, 1h intro lecture to pediatric anesthesia
02/2014 - Present	CA-1 simulation, Instructor, CELA, 2 hour simulation session including PE, difficult airway, LAST
02/2014 - Present	Pediatric Airway in the Perioperative Setting, Lecturer, VCH, Pediatric Airway in the perioperative setting, 1 h, 2/10/2014
02/2014 - Present	Pediatric Anesthesia Lecture series: Orientation to Pediatric Anesthesia, Lecturer, VCH 8009, Orientation lecture to incoming residents on pediatric anesthesia rotation; 2 hr
02/2014 - Present	Common Pediatric Emergencies, Instructor, CELA, 3 h simulation session focusing on common pediatric emergencies, including bronchospasm, LAST, PEA arrest
04/2014 - Present	Peds Anesthesia: Introduction to Pediatric Anesthesia, Lecturer, VCH, Introduction to peds anesthesia, airway, pharmacology, OOR, PACU issues. 2 h
04/2014 - Present	Pediatric Anesthesia Emergencies, Instructor, CELA, 3 hour pediatric anesthesia simulation for residents and SRNAs including SVT, VFIB, PEA, bronchospasm, ACUTE blood loss
05/2014 - Present	Noon lecture for Pediatric Residents: Minimal and Moderate Sedation for Pediatrics, Lecturer, VCH, 1 h lecture about sedation for pediatric residents
05/2014 - Present	Introduction to Pediatric Anesthesia, Instructor, VCH, 1 hour orientation/intro to peds anesthesia
05/2014 - Present	Pediatric Anesthesia Urgencies and Emergencies, Instructor, CELA, 3 hour sim session including brochospasm, hemorrhage, PEA, VT/VFIB
06/2014 - Present	Introduction to pediatric anesthesia, instructor, vch 4512, 6/2/2014 Introduction to pediatric Anesthesia for new residents. 1 h
07/2014 - Present	The Normal Pediatric Airway, Lecturer, VCH, 30 min pediatric anesthesia morning conference about Pediatric Airways
07/2014 - Present	Introduction to Pediatric Anesthesia, Instructor, VCH, 1 hour lecture, Introduction to pediatric anesthesia, 7/1/2014
09/2014 - Present	Pediatric Airway in the Perioperative Setting, Lecturer, VCH, 1 h airway lecture for pediatric airways
09/2014 - Present	Fellow lecture: Oral Boards: Tips for Dissecting the Stem, lecturer, vch, 1 h lecture on dissecting the oral board stem for pediatric anesthesia fellows.
09/2014 - Present	Introduction to pediatric anesthesia, lecturer, vch, Oreintation and Introduction to Pediatric Anesthesia, 2 h
01/2015 - Present	Introduction to Pediatric Anesthesia, Lecturer, VCH, 2 h orientation and introduction to Pediatric anesthesia
01/2015 - Present	Pediatric Endoscopy and Foreign Bodies, Lecturer, VCH 2104, 1 h lecture to Anesthesia fellows
01/2015 - Present	Oral Board Prep: The crani stem, lecturer, VCH, 1h lecture for pediatric anesthesia fellows on the crani board stem
01/2015 - Present	Pediatric Airway in the Perioperative Setting, vch
02/2015 - Present	Pediatric Endoscopy and Foreign Bodies, lecturer, VCH, 30 min resident lecture
02/2015 - Present	Orientation to Pediatric Anesthesia, Instructor, VCH, 1 h orientation to pediatric anesthesia

Research Supervision / Mentorship

07/2011 - 07/2012	Korie Vakey, M.D. Vanderbilt University Medical Center, Current Position: Anesthesiology Resident. (Resident, Clinical)
07/2012 - Present	Sara Walls, M.D. VUMC. (Resident, General Mentorship)
01/2015 - Present	Louise Alexander, M.D. VUMC, Current Position: Anesthesia Resident. (Resident, General Mentorship)

Other Significant Activities

05/2010	PACU to ICU Handoff Protocol at Vanderbilt University Medical Center: Handoff Initiative to Improve Patient Safety
08/2011	Author of Pediatric Malignant Hyperthermia Simulation Scenario: Simulation scenario for Anesthesiology Residents/Fellows training in Pediatric Anesthesiology.

08/2011	Rotation Director for the Pediatric Anesthesia Rotation for Emergency Medicine Interns and Residents: Course Director for the pediatric anesthesia rotation for the EM residents and interns, 1 week rotation each per month; includes didactics
08/2011	Rotation Director for the PCCU fellows Pediatric Anesthesia rotation: 1 month pediatric anesthesia rotation for the PCCU fellows; includes didactics
08/2011	Rotation Director for the pediatric EM fellows pediatric anesthesia rotation: 1 month pediatric anesthesia rotation for the pediatric emergency medicine fellows; includes didactics
08/2011	Pediatric Anesthesia Rotation Coordinator for all non-anesthesia providers: Rotation coordinator for all other non-anesthesia airway training for pediatric anesthesia (ie: all pediatric residents on procedure elective, Meharry OMFS residents on anesthesia elective)
01/2012	Participation in Pediatric Anesthesia Emergency Cards Simulation Project: Assisting Scott Watkins, M.D. on his simulation project for pediatric emergency review cards.
01/2012	Coordinator for the VCH PCCU transport team airway training.: The VCH is preparing a PCCU transport team consisting of PCCU nursing staff and RT staff. They will require hands on pediatric airway training before they join the transport team and I am coordinating that training in the VCH operating suite.
01/2012	Pediatric Anesthesia Acute Pain Service: Member of the pediatric anesthesia acute pain team. Faculty representing pediatric anesthesia on evidence-based clinical practice guidelines (CPGs) for the intraoperative respiratory care of premature infants born at less than 33 weeks gestation: Interdisciplinary group representing both NICU and anesthesia whose goal is to develop evidence-based clinical practice guidelines (CPGs) for the intraoperative respiratory care of premature infants born at less than 33 weeks gestation for VCH.
01/2012	Member of Anesthesiology Web-based Perioperative Policies and Guidelines Task Force: Task force commissioned to gather and revise all Vanderbilt Adult and Pediatric Web Based Perioperative Protocols and Guidelines

Honors / Awards

07/2004	Noah Scholarship, University of Florida College of Medicine
07/2005	University of Florida Foundation Scholarship, University of Florida College of Medicine
07/2008	Benjamin Howard Robbins Scholars Program, Vanderbilt Department of Anesthesiology
06/2010	Dila Vuksanaj Award for Pediatric Anesthesiology, Vanderbilt Department of Pediatric Anesthesiology

Publications

Non-Peer Reviewed Publications

Research Articles

1. Sierra RL, Lee E, Pilla M. Aberrant right subclavian artery occlusion from insertion of a transesophageal echocardiographic probe in an asymptomatic adult. Journal of cardiothoracic and vascular anesthesia 2011 Feb;25(1):148-9. PMID: 20181497.

Presentations

Problem based learning discussion

1. Elisabeth Hughes, M.D., Amanda Lorinc, M.D. Society for Pediatric Anesthesia. SPA; Tampa, Florida. 2012 Feb 24; Children Who Refuse Surgery: A Case-Based Discussion.
2. Elisabeth Hughes, M.D. and Carrie Menser, M.D. Society for Pediatric Anesthesia. Las Vegas, Nevada. 2013 Mar 15; Children Who Refuse Surgery: A Case-Based Discussion.

Other

1. Pediatric Anesthesiology Journal Club. Nashville, Tennessee. 2011 Jun; Post-Anesthesia Care in Children with Communication Disorders: Does Utilizing the r-FLACC Improve Quality of Care and Parental Satisfaction?.
2. Elisabeth Lee. REACH. Nashville, Tennessee. 2011 Nov 15; Post-Anesthesia Care in Children with Communication Disorders: Does Utilizing the r-FLACC Improve Quality of Care and Parental Satisfaction?.

3. Amanda Lorinc, Elisabeth Lee. Vanderbilt Pediatric Anesthesia Journal Club. Nashville, Tennessee. 2012 Jan 25; Parental Recall of Anesthesia Information.

Medically Challenging Cases

1. Society for Ambulatory Anesthesia Annual Meeting. Miami, Florida. 2008; Thyroidectomy as an ambulatory surgery; a patient with documented malignant hyperthermia.
2. American Society of Anesthesiologists Annual Meeting. Orlando, Florida. 2008 Oct; Upper airway obstruction and hypoxia in renal transplant recipient - Is SVC syndrome in your diagnosis?.
3. American Society of Anesthesiologists Annual Meeting. Orlando, Florida. 2008 Oct; Aberrant right subclavian artery occlusion after insertion of transesophageal echocardiography probe in an asymptomatic adult.
4. International Anesthesia Research Society Annual Meeting. San Diego, California. 2009; Paroxysmal AV nodal block in the pediatric GI suite.
5. American Society of Anesthesiologists Annual Meeting. New Orleans, Louisiana. 2009 Oct; Failed extubation due to unexpected massive tonsillar hypertrophy.
6. American Society of Anesthesiologists Annual Meeting. New Orleans, Louisiana. 2009 Oct; Anesthesia for Same Day Surgery in a Patient with Post-Polio Syndrome.
7. Jenna Helmer-Sobey, M.D.; Elisabeth Hughes, M.D. American Society of Anesthesiologists. Washington D.C., District of Columbia. 2012 Oct; Postoperative Tension Pneumothorax in a Premature Infant with TEF Requiring Emergent Needle Decompression.
8. Lori Kiefer M.D., Elisabeth Hughes, M.D. American Society of Anesthesiology. Washington D.C., District of Columbia. 2012 Oct; Horner Syndrome in a 10 Month Old with Bilateral Nephroblastoma after Thoracic Epidural Placement.
9. Brent McNew, M.D.; E. Hughes, M.D. American Society of Anesthesiology. New Orleans, Louisiana. 2014 Oct; Management of a Pediatric Patient with Profuse Oral Bleeding in the Setting of ITP and Lack of Intravenous Access.
10. Chris Sobey, M.D.; E. Hughes, M.D. American Society of Anesthesiology. New Orleans, Louisiana. 2014 Oct; UTILIZING REGIONAL ANESTHESIA AND NON-SEDATING MULTIMODAL ANALGESIA IN A 9 YEAR OLD WITH METACHROMATIC LEUKODYSTROPHY.

Internal Grand Rounds

1. Pediatric Anesthesiology Morbidity and Mortality. Nashville, Tennessee. 2011 Jan; Congenital Diaphragmatic Hernia and Massive Neonatal Resuscitation: A Review of Transfusion in Neonates.
2. Pediatric Anesthesiology Morbidity and Mortality. Nashville, Tennessee. 2011 May; Streptococcal TSS and Necrotizing Fasciitis.
3. Vikram Patel, Elisabeth Lee. Pediatric Anesthesiology M and M. Nashville, Tennessee. 2011 Nov 9; Streptococcal TSS and Necrotizing Fasciitis.

Presentations at Scientific Meetings

1. Elisabeth Lee. American Society of Anesthesiologists. Chicago, Illinois. 2011 Oct 16; Anesthetic Implications of Angelman's Syndrome.
2. Elisabeth Lee. American Society of Anesthesiology. ASA; Chicago, Illinois. 2011 Oct 18; Comparison of Two Health Related Quality of Life Assessment Tools in the Adolescent Idiopathic Scoliosis Pediatric Population.