

Curriculum Vitae

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Training

07/1997 - 06/2000 B.S. from Youngstown State University, OH United States
08/2000 - 05/2004 M.D. in Medicine from Northeastern Ohio Universities College of Medicine, OH United States
07/2004 - 06/2005 Internship in Transitional Year Internship from Summa Health Systems, Akron City Hospital, Akron, OH
07/2005 - 06/2008 Residency in Anesthesiology from University Hospital SUNY Upstate, Syracuse, NY
07/2008 - 06/2009 Fellowship in Pediatric Anesthesiology from St. Christopher's Hospital for Children, Philadelphia, PA

Licensure and Certification

05/2009 - 04/2011 Medical License, Tennessee Medical License of Tennessee United States (44969)
04/2010 - 12/2020 Board Certification, Diplomate of the American Board of Anesthesiology United States
05/2011 - 04/2013 Medical License, Tennessee Medical License of Tennessee United States (44969)
05/2013 - 04/2015 Medical License, Tennessee Medical License of Tennessee United States (44969)
09/2014 - 12/2024 Board Certification, Diplomate of the American Board of Pediatric Anesthesiology United States (46100)
04/2015 - 04/2017 Medical License, Tennessee Medical License of Tennessee United States

Academic Appointments

08/2009 - Present Assistant Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

Professional Organizations

2009 The Tennessee Society of Anesthesiologists
2009 American Society of Anesthesiologists
2009 Society for Pediatric Anesthesia
2012 American Academy of Pediatrics Speciality Fellow, Speciality Fellow

Professional Activities

Intramural

09/2010 - Present Throughput Committee Liaison, Anesthesiology, Liaison between OMFS and Anesthesiology on the OR efficiency and throughput committee., Liaison Blood refusal consent rewriting committee, A diversified group that includes anesthesiology, legal council, ethics, nursing, among others that was put together to rewrite the blood refusal consent into a more informative document, rather than a consent form., Pediatric Anesthesiologist Representative, Committee member
12/2013 - Present Hospital Acquired Infection Committee, Discuss methods to decrease and eliminate hospital acquired infections and followup any initiatives implemented., Anesthesia Representative, Anesthesia Representative
10/2015 - Present

Extramural

01/2014 - Present Student VUceptor Selection Process, Vanderbilt University, Office of the Dean of the Ingram Commons, Student essays were read and evaluated based on specific inclusion criteria to determine whether to select them for a one-on-one interview for a student VUceptor position., Evaluate and recommend for personal interview

Teaching Activities

09/2009 - 09/2009 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

10/2009 - 10/2009 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

01/2010 - 01/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

02/2010 - 02/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

06/2010 - 06/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

08/2010 - 08/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

09/2010 - 09/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

10/2010 - 10/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

11/2010 - 11/2010 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

01/2011 - 01/2011 Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies

01/2011 - 01/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

03/2011 - 03/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

05/2011 - 05/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

08/2011 - 08/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

09/2011 - 09/2011 Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies

09/2011 - 09/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

10/2011 - 10/2011 Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.

10/2011 - 10/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

11/2011 - 11/2011 Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies

12/2011 - 12/2011 Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.

02/2012 - 02/2012	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
03/2012 - 03/2012	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
05/2012 - 05/2012	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
05/2012 - 05/2012	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
07/2012 - 07/2012	Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies
09/2012 - 09/2012	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
09/2012 - 09/2012	Communication Skills, Instructor, Promoting well-honed communication skills.
09/2012 - 09/2012	Mock Oral Board Exam, Examiner, Mock oral board examination given.
09/2012 - 09/2012	Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies
10/2012 - 10/2012	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
10/2012 - 10/2012	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
12/2012 - 12/2012	Mock Oral Board Exam, Examiner, Mock oral board examination given.
01/2013 - 01/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
01/2013 - 01/2013	Down Syndrome and the Anesthetic Implications, Lecturer, Down Syndrome and the Anesthetic Implications
02/2013 - 02/2013	Airway Workshop, Instructor, SIM Lab VMC, Airway Workshop
02/2013 - 02/2013	Rapid Sequence Induction: Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
03/2013 - 03/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
03/2013 - 03/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
04/2013 - 04/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
04/2013 - 04/2013	Pulmonary Hypertension: Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
04/2013 - 04/2013	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
06/2013 - 06/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
06/2013 - 06/2013	Down Syndrome and the Anesthetic Implications, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Down Syndrome and the Anesthetic Implications
07/2013 - 07/2013	The Difficult Airway, Instructor, Monroe Carell Jr. Children's Hospital at Vanderbilt, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
08/2013 - 08/2013	The Difficult Airway, Instructor, Monroe Carell Jr. Children's Hospital at Vanderbilt, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
09/2013 - 2013	Down Syndrome and the Anesthetic Implications, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Down Syndrome and the Anesthetic Implications
09/2013 - 09/2013	NPO status for elective cases: Art of Anesthesia, Participant, This is a round table teaching discussion on the "art" versus the science of anesthesia.

09/2013 - 09/2013	Mock Oral Board Exam, Examiner, Mock Oral Board Exam
09/2013 - 09/2013	Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
10/2013 - 10/2013	Airway: Critical Skills Week -- Airway, Instructor, SIM Lab VMC, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
11/2013 - 11/2013	Caudals: Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
11/2013 - 11/2013	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
12/2013 - 12/2013	Esophageal, Stomach, and Intestinal Disorders, Instructor, Monroe Carell Jr. Children's Hospital at Vanderbilt, Esophageal, Stomach, and Intestinal Disorders and how they relate to the anesthetic.
12/2013 - 12/2013	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
12/2013 - 12/2013	Art of Anesthesia, Participant, This is a round table teaching discussion on the "art" versus the science of anesthesia.
12/2013 - 12/2013	Simulation, Instructor, Monroe Carell Jr. Children's Hospital at Vanderbilt, Situations are presented to the participant to evaluate their medical management in a simulated environment.
02/2014 - 02/2014	Extreme Prematurity and Ventilator Choices: Art of Anesthesia, Participant, This is a round table teaching discussion on the "art" versus the science of anesthesia.
03/2014 - 03/2014	Mock Oral Board Exam, Examiner, Mock Oral Board Exam
03/2014 - 03/2014	Mock Oral Board Exam, Examiner, Mock Oral Board Exams
03/2014 - 03/2014	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
04/2014 - 04/2014	When do you say "I'm sorry?": Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
04/2014 - 04/2014	Case Conference, Faculty Mentor, Monroe Carell Jr. Children's Hospital at Vanderbilt, A case is presented by resident and discussed.
04/2014 - 04/2014	Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies
04/2014 - 04/2014	The Difficult Airway, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
05/2014 - 05/2014	Pyloromyotomy: Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, This is a round table teaching discussion on the "art" versus the science of anesthesia.
06/2014 - 06/2014	Down Syndrome and the Anesthetic Implications, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Down Syndrome and the Anesthetic Implications
08/2014 - 08/2014	The Difficult Airway, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
08/2014 - 08/2014	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
08/2014 - 08/2014	Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, Key points in communication when services are doctor shopping.
09/2014 - 09/2014	Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies
09/2014 - 09/2014	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
10/2014 - 10/2014	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
10/2014 - 10/2014	Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt, Difficult Airways in the out of OR setting.
10/2014 - 10/2014	Art of Anesthesia, Participant, Monroe Carell Jr. Children's Hospital at Vanderbilt

12/2014 - 12/2014	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
12/2014 - 12/2014	Neonatal Surgical Emergencies, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Neonatal Surgical Emergencies
12/2014 - 12/2014	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
02/2015 - 02/2015	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
04/2015 - 04/2015	Case Conference, Faculty Mentor, Monroe Carell Jr. Children's Hospital at Vanderbilt, Case Conference with Alex Greene. Struggles in Africa.
05/2015 - 05/2015	Simulation, Instructor, SIM Lab VMC, Situations are presented to the participant to evaluate their medical management in a simulated environment.
05/2015 - 05/2015	Down Syndrome and the Anesthetic Implications, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Down Syndrome and the Anesthetic Implications
08/2015 - 08/2015	The Difficult Airway, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Different airway adjuncts are used and demonstrated in conjunction with case scenarios
08/2015 - 08/2015	Pediatric Abdominal and Urologic Procedures, Lecturer, Monroe Carell Jr. Children's Hospital at Vanderbilt, Common urologic and abdominal procedures and how to prepare your anesthetic plan.
10/2015 - 10/2015	mPACT Africa curriculum: Electrosurgery and Sterilization, Lecturer, Kenya, To produce and validate anesthesia curriculum for Kenya Registered Nurse Anaesthesia (KRNA) Program in Kijabe Hospital in Kenya. Goal to train registered nurses in anesthesia care in the rural settings of East Africa.

Research Supervision / Mentorship

08/2013 - 11/2013	VUcept group included 19 undergraduate students Vanderbilt University, Current Position: VUcept Faculty Mentor. (Undergraduate, General Mentorship)
08/2014 - 11/2014	VUcept group included 18 undergraduate students Vanderbilt University, Current Position: VUcept Faculty Mentor. (Undergraduate, General Mentorship)
08/2015 - 11/2015	VUcept group included 19 undergraduate students Vanderbilt University. (Undergraduate, General Mentorship)

Other Significant Activities

10/2008	Medical & Surgical Mission: Face-to-Face, Linyi People's Hospital, China
09/2010	Medical & Surgical Mission: Adventist Hospital, Port-au-Prince, Haiti
10/2011	Medical & Surgical Mission: Shalom Foundation, Guatamala
01/2014	Interview Committee for Student VUcept applicants: Read and evaluated student essays to recommend them for a followup interview for the student VUcept position.
04/2014	Invited Panel Speaker for VUcept Orientation: Invited Panel Speaker for VUcept Orientation
05/2014	Board Member HOPE Charity-Nashville Chapter: Haiti Orphan Project
04/2015	Invited Speaker VUcept Orientation: Speaker on VUcept requirements and responsibilities.

Publications

Non-Peer Reviewed Publications

Book Chapters

1. Ira S. Landsman, MD, Laura N. Zeigler, MD, Jayant K. Deshpande, MD, MPH. Anesthesia for pediatric urologic procedures. Gregory's Pediatric Anesthesia 5th Edition. 2012 Feb;740-756.

Research Articles

1. Watkins SC, Anders S, Clebone A, Hughes E, **Zeigler L**, Patel V, Shi Y, Shotwell MS, McEvoy M, Weinger MB. Paper or plastic? Simulation based evaluation of two versions of a cognitive

aid for managing pediatric peri-operative critical events by anesthesia trainees: evaluation of the society for pediatric anesthesia emergency checklist. Journal of clinical monitoring and computing 2015 Jun; PMID: 26067401.

Presentations

Workshop

1. Scott Watkins, Laura Zeigler. American Society of Anesthesiologists. New Orleans, Louisiana. 2014 Oct 12; Perioperative Pediatric Advanced Life Support Simulation.

University Talk

1. Research Symposium. 2012 May 4; The evolution of preoperative radiographic cervical spine evaluations in Down syndrome patients. Are all these evaluations justified?.