Curriculum Vitae

Lance C. Carter

11770 N. Home Ave
Liberty, MO 64068
Phone: (816)-462-9855
Email: carterla@umkc.edu

Teaching and Leadership Experience

2008-Present: *Assistant Program Director,* Master of Science in Anesthesiology Program, UMKC School of Medicine, Office of Allied Health. In this role I served as the founding assistant director and helped build the program from scratch. Roles have included development of curriculum to meet NCCAA accreditation standards, personally creating course outlines for the didactic courses within the MSA program, mentorship to basic science faculty, and service on curriculum, admissions, and progression committees.

2008-Present: *Curriculum Committee Chair,* Master of Science in Anesthesiology Program, UMKC School of Medicine, Office of Allied Health. In this role I meet with all faculty, many of which are non-anesthesia trained, and provide continuous review and mentorship in order to ensure that these courses are of the utmost quality and that we are meeting our required standards of the ARC-AA and NCCAA. I have also led efforts to define and establish minimum benchmarks of success for each course and each instructor, review student feedback, review national exam statistics, and lead efforts to modify the curriculum to ensure that we are at the forefront to the latest advances in our field.

2011-Present: *Test Writing Committee Member* for the National Commission for Certification for Anesthesiologist Assistants (NCCAA). In this role I write and edit questions for the national certifying exam that all prospective AA graduates must pass before they can become certified practitioners

2012-present: *Creator and author of a series of anesthesia procedural video presentations* that have been viewed over 3 million times by anesthesia students in CRNA programs, anesthesiologist assistant programs, and anesthesia residency programs around the world. Five of these presentations were subsequently published in the popular emergency medicine procedural textbook: "Roberts and Hedges Clinical Procedures in Emergency Medicine, 6th edition" (https://www.youtube.com/channel/UCUIWCsRV3siWB-jzBmNg6pA)

2008-2020:   *Assistant Teaching Professor*, UMKC School of Medicine

2011-2013:   *ACLS & PALS instructor*, UMKC School of Medicine

Clinical Experience/Pertinent Work History

2007-Present: *Clinical Anesthetist at Liberty Hospital*
- Cardiothoracic and vascular
  - On and off pump, circ. arrest, thoracic aortic aneurysms, VATS, thoracotomies, AAA's, CEA's, invasive lines, advanced hemodynamic monitoring, etc
- Frequent OB experience (proficient in neuraxial techniques)
- Trauma, neuro, some pediatrics

2010-2013:   *Traveling Clinical Anesthetist at Medical Center Of Central Georgia*, Macon GA; licensed as a physician assistant in Georgia (inactive)

2002-2005:   *Undergraduate human anatomy laboratory instructor*; *early morning tile crew manager*, Brigham Young University-Idaho

1997-2003:   *Certified Nurse Assistant (CNA)*, Rexburg Home Health; Rexburg, Idaho

Pertinent Education

2007:   Master of Science in Anesthesiology—Anesthesiologist Assistant Program. School of Medicine. University Hospitals of Cleveland Case Medical Center, Case Western Reserve University

2005:   BS—Major in Biology; Minor in Chemistry. Department of Biology and Chemistry, Brigham Young University-Idaho, Rexburg Idaho (cumulative 3.92 GPA)

Recognitions & Certifications

July 2021:   *Recipient of the UMKC School of Medicine Elmer F. Pierson Teaching Award* based on excellent student evaluations, creative and innovative teaching skills, and educational leadership. This award is given to one faculty member each year from the school of medicine, dentistry and law. I am the second "non-doctor" faculty to receive the award since its inception in 1985. My teaching philosophy can be found at the following link: https://docs.google.com/document/d/1mLQwTqxB1JFnVZP0KPwK5JwTAqRmvG_v0Z6q6MPcUNc/edit#

2020-present: *Promoted to Associate Teaching Professor*, UMKC School of Medicine

Current: Pediatric Advanced Life Support. Certified by AHA

Current:	Advanced Cardiovascular Life Support. Certified by AHA
Current:	Basic Life Support Provider. Certified by AHA
2007:	Accepted to the April 2007 Research Showcase at Case Western Reserve University ("Advances in Anesthetic Technology")
2004:	Accepted to the IDeA Network of Biomedical Research Excellence (INBRE) fellowship (Brain Mapping of Cranial Nerves at Idaho State University)
2004:	Undergraduate National Dean's List for Academic Excellence

Professional Memberships

Current:	American Society of Anesthesiologists (ASA)
Current:	American Academy of Anesthesiologist Assistants (AAAA)
Current:	American Academy of Anesthesiologists Assistants Program Directors (AAAPD)
Current:	Missouri Society of Anesthesiologists (MSA)
Current:	Missouri Academy of Anesthesiologist Assistants (MAAA)
Current:	Kansas Academy of Anesthesiologist Assistants (KAAA)

Courses & Topics Taught (15 years)

Course feedback scores can be found at the following link:
https://docs.google.com/document/d/1ZrEgwH2rETKLagnHhqDMbJBsT561t2bSC-SXhUohqTU/edit

Student comments for the courses can be found at the following link:
https://docs.google.com/document/d/1TkMxKKUUHkFHCnElGK4mrCYMFvj4uwRmCqLgJVvvNYo/edit

ANES 5540 (Patient Monitoring & Instrumentation; average instructor rating 4.92 out of 5): *Advanced Hemodynamic Monitoring, Anesthesia Circuits, Arterial Lines, Basic ECG, Blood Pressure Monitoring, Capnography, Central Lines, Inhalational Anesthetics, Inhalational Induction, Miscellaneous Monitors, Peripheral Nerve Stimulator, Principles of the Anesthesia Machine, Pulmonary Artery Catheter Placement, Pulse Oximetry*

ANES 5541 (Methods Of Anesthesia I; average instructor rating 4.93 out of 5): *Acid Base Management, ACLS Concepts, ACLS Scenarios, Cardiac Assist Devices, Cardiac Surgery Concepts, Cardiothoracic Procedures, Cardiac Drug Card, Manual Defibrillator Training, On Pump vs. Off Pump Management, Preexcitation & SVT*

ANES 5577 (Methods Of Anesthesia II; average instructor rating 4.96 out of 5): *Advanced ECG, Advanced Fluid Management, Advanced Ventilator Modes, Anesthesia in the OB Unit, Anesthesia for the Nonlaboring Pregnant Patient, Anesthesia For Complicated Pregnancy, Congenital Heart Disease, Effective Exam Questions, Epidural Placement, Management of Electrolyte Abnormalities, Maternal & Fetal Physiology, Neuraxial Anesthesia & Local Anesthetic Dosing, Pacing & CIEDs, PALS Concepts, PALS Scenarios, Spinal & CSE Placement*

ANES 5506 (Anatomy For CAAs): *Adductor Canal (Saphenous Nerve) Block, Airway (Transtracheal,*

Superior Laryngeal Nerve, & Glossopharyngeal) Blocks, Ankle Block, Anterior Suprascapular Block, Axillary & Musculocutaneous Blocks, Celiac Plexus Block, Cervical Plexus Block, Digital Blocks, Fascia Iliaca Block, Femoral Nerve Block, Infraclavicular Nerve Block, Ilioinguinal & Iliohypogastric Blocks, Interscalene Block, IPACK Block, Intercostal & Paravertebral Nerve Blocks, PEC Block, Quadratus Lumborum Block, Sciatic & Popliteal Nerve Blocks, Rectus Sheath Block, Serratus Plane Block, SPEDI Block, Stellate Ganglion Block, Supraclavicular Block, TAP Block, Wrist Block

ANES 5561 (Simulation Lab): *Airway Terms, Anesthesia Terms & Concepts, Airway Management, Ventilation Under Anesthesia, Anesthesia Drug Card, Bier Block MAC Simulation, Hypertension/Hypotension Simulation, Anesthetic Induction, Laparoscopic Surgery, Light Anesthesia Simulation For A Smoker, Pediatric T&A Simulation, Anaphylactic Reaction, TURP, Asthma, Autonomic Hyperreflexia, CABG, MH vs. Thyroid Storm, Pediatric Trauma, Tension Pneumothorax, Thoracotomy, Lupus, Cardiac Tamponade, Cardioversion, Carotid Endarterectomy, Diabetic Ketoacidosis, Hyperkalemia, Intraoperative ST Depression, Off Pump CABG, Open Abdominal AAA, Pulmonary Embolism, Pulseless Electrical Activity, Stable Ventricular Tachycardia, Geriatric Simulation*

ANES 5561 (Intro To Anesthesia): *Algorithms for General Anesthesia, Basic Anesthesia Case Management*

ANES 5564, 5568, 5570 (Clinical Correlation): *Online study course for certification exam preparation*