

University of Pittsburgh
School of Medicine
CURRICULUM VITAE FORMAT

BIOGRAPHICAL

Name: Michael W. Best, MD, FASA, Maj,
USAF
Email: bestmw2@upmc.edu

Business Address: 1400 Locust Street,
Pittsburgh, PA 15219
Business Phone: 412-215-8461

EDUCATION and TRAINING

UNDERGRADUATE

8/29/2002 – 5/13/2006	Juniata College 1700 Moore Street Huntingdon, PA 16652	B.S., <i>magna cum laude</i> , 2006	Physics with <i>distinction</i> (major) Mathematics (minor)
--------------------------	---	---	---

GRADUATE

8/22/2007 – 5/28/2011	University of Pittsburgh School of Medicine 2550 Terrace St Pittsburgh, PA 15213	M.D., 2011	Medicine
--------------------------	--	------------	----------

POSTGRADUATE

6/24/2011 – 6/30/2015	UPMC 3600 Forbes Ave Suite 140 Pittsburgh, PA 15213	David Metro, MD Program Director	Anesthesiology Residency
7/1/2018 – 6/30/2019	Emory School of Medicine 100 Woodruff Circle Suite 327 Atlanta, GA 30322	Mark Caridi-Scheible, MD Program Director	Critical Care Medicine Fellowship

APPOINTMENTS and POSITIONS

ACADEMIC

2015-2016	Saint Louis University School of Medicine	Clinical Instructor, Dept. of Anesthesiology and Critical Care
2016-2019	Saint Louis University School of Medicine	Assistant Professor, Dept. of Anesthesiology and Critical Care
2021-Present	University of Pittsburgh School of Medicine	Assistant Professor, Dept. of Anesthesiology and Perioperative Medicine

CLINICAL

2015-2019	Saint Louis University Hospital St. Louis, MO	Faculty Anesthesiologist, Member of Regional and Acute Pain Service (RAPS)
2016-2017	Craig Joint Theater Hospital Bagram AB, Afghanistan	Attending Anesthesiologist
2018 - 2018	Southern Regional Medical Center Atlanta, GA	Attending Anesthesiologist
2019 – 2020	St. Luke's University Health Network Bethlehem, PA	Attending Anesthesiologist and Critical Care Physician
2019 – Present	932 nd Medical Squadron Scott AFB, IL	Staff Anesthesiologist and Critical Care Physician
2021-Present	UPMC Mercy, UPMC Shadyside Pittsburgh, PA	Faculty Anesthesiologist
2021 – 2022	Conemaugh Memorial Medical Center Johnstown, PA	Attending Anesthesiologist

2021 – 2021	18 th Medical Squadron Kadena AB, Okinawa, Japan	Attending Critical Care Physician
2022 – Present	VA Medical Center Pittsburgh, PA	Attending Critical Care Physician
2023 – Present	459 th Aeromedical Staging Squadron Joint Base Andrews, MD	Attending Critical Care Physician

CERTIFICATION and LICENSURE

ABMS CERTIFICATION:

- | | |
|---|------|
| 1. Diplomate, Anesthesiology, American Board of Anesthesiology | 2016 |
| 2. Diplomate, Critical Care Medicine, American Board of Anesthesiology | 2019 |
| 3. Testamur, Critical Care Echocardiography, National Board of Echocardiography | 2021 |

MEDICAL LICENSURE:

- | | |
|------------------|---------------------|
| 1. West Virginia | 2013-2018 (expired) |
| 2. Pennsylvania | 2015-Present |
| 3. Missouri | 2015-2022 (expired) |
| 4. Georgia | 2017-2019 (expired) |
| 5. New Jersey | 2019-2021 (expired) |

RELEVANT CERTIFICATIONS/TRAININGS

- | | |
|--|----------------|
| 1. Emergency Medical Technician, PA DOH | 2003 (expired) |
| 2. Wilderness Emergency Medical Technician, SOLO | 2005 |
| 3. Emergency Medical Technician, NREMT | 2005 (expired) |
| 4. Commissioned Officer Training, USAF | 2010 |
| 5. Advanced Trauma Life Support (ATLS) Instructor, ACS | 2015 |
| 6. Basic Critical Care Air Transport, USAF | 2016 |
| 7. Advanced Critical Care Air Transport, USAF | 2016 |
| 8. Focused Assessment Transthoracic Echo, USABCD | 2017 |
| 9. Advanced Critical Care Air Transport, USAF | 2021 |
| 10. Basic Survival, Evasion, Resistance, Escape (SERE), USAF | 2021 |
| 11. Mental Health Champion, University of Pittsburgh | 2022 |
| 12. Unconscious Bias and Identity, NRMN Course | 2022 |

- | | |
|---|------|
| 13. Crucial Conversations for Accountability, Crucial Learning | 2023 |
| 14. Teaching Workshop, Society for Education in Anesthesiology | 2023 |
| 15. Improving Faculty Competency in Assessment, Yale University | 2023 |
| 16. Peer Coaching, University of Pittsburgh Physicians | 2023 |

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

- | | |
|--|--------------|
| 1. American Medical Association | 2007-Present |
| 2. Pennsylvania Medical Society | 2007-Present |
| 3. American Society of Anesthesiology | 2011-Present |
| 4. Uniformed Services Society of Anesthesiologists | 2015-Present |
| 5. American Society of Regional Anesthesia | 2015-2018 |
| 6. Missouri Medical Association | 2015-2018 |
| 7. Society of Critical Care Medicine | 2019-2022 |
| 8. American College of Chest Physicians | 2019-2022 |
| 9. Society for Education in Anesthesiology | 2022-Present |

HONORS

- | | |
|--|------|
| 1. Small Arms Expert Marksmanship, USAF | 2016 |
| 2. Air Force Achievement Medal, USAF | 2017 |
| 3. Meritorious Unit Award, USAF | 2017 |
| 4. Afghanistan Campaign Medal, USAF | 2017 |
| 5. NATO Medal, USAF | 2017 |
| 6. Meritorious Service Medal, USAF | 2017 |
| 7. Everyday Hero, Pennsylvania Medical Society | 2021 |
| 8. Fellow, American Society of Anesthesiology | 2021 |
| 9. Top Physicians Under 40, Pennsylvania Medical Society | 2022 |

PUBLICATIONS

ORIGINAL PEER REVIEWED ARTICLES

1. D’Orazio DJ, Pearson MJ, Schultz JT, Sidor D, **Best MW**, Goodfellow KM, Scholten RE, White JD. Measuring the speed of light using beating longitudinal modes in an open-cavity HeNe laser. Am J Phys (2010) 78.
- Initiated project during my senior year at Juniata College and presented initial work at Juniata College Research Symposium for which I won best oral presentation in my category. Future students at Juniata College completed the project. I assisted in editing the manuscript prior to publication.

2. Vallejo MC, **Best MW**, Phelps AL, O'Donnell JM, Sah N, Kidwell RP, Williams JP. Perioperative dental injury at a tertiary care health system: an eight-year audit of 816,690 anesthetics. *J Healthcare Risk Management* (2012) 31:25-32.

- *Assisted in compiling, analyzing, and interpreting data; assisted in writing and editing manuscript for publication*

OTHER PEER REVIEWED PUBLICATIONS

1. Golfeiz C, **Best MW**, Vallejo MC. Space occupying epidural air necessitating emergent caesarean delivery. *BJA Out of the blue E-letters*. Published 8/14/2013.

- *Involved in actual clinical case, assisted in writing and editing case report*

2. **Best MW**, Jabaley CS. Fluid management in septic shock: a review of physiology, goal-directed therapy, fluid dose, and selection. *Curr Anesthesiol Rep* (2019) 9:151-7.

OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Best MW**. Making your voice heard (Editorial). *ACMS Bulletin*, July 2012 Edition.

2. **Best MW**, Schmeltz R. The Affordable Care Act 2013: The end of the beginning (Editorial). *ACMS Bulletin*, May 2013 Edition.

3. **Best MW**. Changes in the making: from time-based curriculum to competency based (Editorial). *ACMS Bulletin*, Aug 2013 Edition.

4. **Best MW**. Curbing overutilization of health care resources (Editorial). *ACMS Bulletin*, Mar 2014.

BOOKS, BOOK CHAPTERS AND MONOGRAPHS

1. **Best MW**, Beaman ST (2015). An unexpected wait. In Hutchens MC, et al (Ed.), *A case approach to perioperative drug-drug interactions* (pp. 463-6). New York, NY: Springer.

2. **Best MW**, Lim KG (2016). Evaluation of the trauma patient. In Freeman BS, et al (Ed.), *Anesthesiology core review part two: advanced exam* (pp. 657-9). New York, NY: McGraw Hill.

ABSTRACTS (not published in Scientific Journals)

1. Motanya D, **Best MW**. Central alveolar hypoventilation syndrome (Odine's curse). Oral presentation at Midwest Anesthesia Residents Conference 2016 (4/9/2016).

- *Faculty mentor for resident poster. Involved in care of patient.*

2. Malik A, **Best MW**. Epidural opioid induced nystagmus. Poster presentation at American Society of Anesthesiologists 2016 annual meeting (10/23/2016).

- *Faculty mentor for resident poster. Involved in care of patient.*

3. **Best MW**, Madden L, Wiepking M, Hashmi S, Hockstein M, Jabaley CS, Caridi-Scheible M. Early mobility in the cardiothoracic surgical intensive care unit: a quality improvement study. Poster presentation at International Anesthesia Research Society 2019 annual meeting (5/20/19)

PROFESSIONAL ACTIVITIES

TEACHING

National/International:

1. Lecturer, Instructor; Advanced Airway Management, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2016
2. Lecturer; Mechanical Ventilation and Blood Gas Analysis Lecture, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2016
3. Instructor; Trauma Simulation Course, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2016
4. Lecturer, Instructor; Advanced Airway Management, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2017
5. Lecturer; Mechanical Ventilation and Blood Gas Analysis Lecture, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2017
6. Instructor; Trauma Simulation Course, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2017
7. Lecturer, Instructor; Advanced Airway Management, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2018
8. Lecturer; Mechanical Ventilation and Blood Gas Analysis Lecture, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2018
9. Instructor; Trauma Simulation Course, Center for Sustainment of Trauma and Readiness Skills, United States Air Force School of Aerospace Medicine (20 courses; 380 students), 2018

Continuing Medical Education:

1. Instructor; Advanced Airway Management, 932nd Critical Care Air Transport Team, 2021 (1 session, 3 physicians/3 nurses/1 respiratory therapist)
2. Instructor; Cardiac and Lung Point-of-Care Ultrasound, 932nd Critical Care Air Transport Team, 2021 (1 session, 3 physicians/3 nurses/1 respiratory therapist)
3. Instructor; Advanced Airway Management and Mechanical Ventilation in Deployed Location, 932nd MDS, 2022 (1 session, 9 physicians)
4. Instructor; Advanced Airway Management and Mechanical Ventilation in Flight, 932nd Critical Care Air Transport Team, 2022 (1 session, 2 physicians/1 CRNA/2 nurses)
5. Lecturer; Point-of-Care Ultrasound for the Anesthesiologist, Faculty Development Series, Dept. of Anesthesiology and Perioperative Medicine, UPMC Mercy, 2022 (1 session, 15 faculty)
6. Lecturer and Instructor; FAST Exam, 932nd MDS EMEDS training day, USAF, 2022 (134 medics)

Graduate Medical Education:

1. Lecturer; Opioid Lecture, Anesthesiology Residency Lecture Series, Saint Louis University, 2016 (1 lecture, 10 residents)
2. Moderator; Anesthesiology Residency Journal Club Series, Saint Louis University, 2017 (2 sessions, 30 residents/10 faculty)
3. Instructor and Lecturer; ATLS Course, Saint Louis University GME, 2017 (3 courses, 40+ residents)
4. Moderator; Board Review Q&A, Anesthesiology Residency Lecture Series, Saint Louis University, 2018 (2 sessions, 10 residents)
5. Moderator; Anesthesiology Residency Journal Club Series, Saint Louis University, 2018 (2 sessions, 30 residents/10 faculty)
6. Instructor and Lecturer; ATLS Course, Saint Louis University GME, 2018 (2 courses, 30+ residents)
7. Lecturer; Simulation Education, Anesthesiology Professional Practice Rotation, Anesthesiology Residency, UPMC, 2022 (1 session, 12 residents)
8. Lecturer; Military Medicine, Anesthesiology Professional Practice Rotation, Anesthesiology Residency, UPMC, 2022 (1 session, 12 residents)
9. Lecturer, Instructor; Advanced Difficult Airway Management/Fiberoptic Bronchoscopy Course, Anesthesiology Residency, UPMC, 2022 (1 session, 5 residents)
10. Lecturer; Advanced Airway Rotation, Critical Care Medicine Fellowship, UPMC 2022 (4 sessions 4 fellows)
11. Lecturer; Obtaining consent, CA1 Orientation, UPMC Anesthesiology Residency, 2023 (23 residents)
12. Lecturer; Maintenance of Anesthesia, CA1 Orientation, UPMC Anesthesiology Residency, 2023 (23 residents)

13. Instructor; Calling Your Attending Workshop, CA1 Orientation, UPMC Anesthesiology Residency, 2023 (5 residents)
14. Instructor; Difficult Cases/Mock Oral Boards, CA1 Orientation, UPMC Anesthesiology Residency, 2023 (5 residents)
15. Instructor; Anesthesia Machine Checkout Workshop, CA1 Orientation, UPMC Anesthesiology Residency, 2023 (5 residents)
16. Moderator; PBLD: In-OR Teaching, UPMC Anesthesiology Residency, 2023 (2 sessions, 60 residents)
17. Instructor; Difficult Airway Management Workshop: Fiberoptic and awake intubation station, UPMC Critical Care Medicine Fellowship (5 sessions, 22 fellows)
18. Lecturer; Competency Evaluation in Residency, Anesthesiology Professional Practice Rotation, Anesthesiology Residency, UPMC, 2023 (1 session, 12 residents)
19. Lecturer; Simulation Education, Anesthesiology Professional Practice Rotation, Anesthesiology Residency, UPMC, 2023 (1 session, 12 residents)
20. Lecturer; Military Medicine, Anesthesiology Professional Practice Rotation, Anesthesiology Residency, UPMC, 2023 (1 session, 12 residents)
21. Lecturer, Instructor; Advanced Difficult Airway Management/Fiberoptic Bronchoscopy Course, Anesthesiology Residency, UPMC, 2023 (2 session, 9 residents)
22. Lecturer; Advanced Airway Rotation, Critical Care Medicine Fellowship, UPMC, 2023 (4 sessions 4 fellows)
23. Examiner, Mock Oral Board Examinations, Anesthesiology Residency, UPMC, 2023 (11 examinations/residents)

Undergraduate Medical Education

1. Undergraduate Medical Education
Instructor; Lumbar Puncture Skills, MS2 Clinical Procedures Course, University of Pittsburgh School of Medicine, 2021 (40+ students)
2. Instructor and Lecturer; CVC Skills Session, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2021 (2 sessions, 24 students)
3. Instructor and Lecturer; Crisis Resource Management Simulations, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2021 (2 sessions, 24 students)
4. Lecturer; Advanced Hemodynamic Monitoring, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2022 (4 sessions, 40+ students)
5. Instructor and Lecturer; CVC Skills Session, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2022 (2 sessions, 24 students)
6. Instructor and Lecturer; Crisis Resource Management Simulations, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2022 (2 sessions, 24 students)
7. Lecturer; OB Anesthesiology, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2022 (1 session, 12 students)
8. Instructor and Lecturer; General Anesthesia Introductory Simulation Day, MS3 Anesthesiology Clerkship, 2022 (1 session, 12 students)

9. Lecturer; Fluid Management in Critical Illness, MS4 Get Ready for Residency Anesthesiology Track, University of Pittsburgh School of Medicine, 2022 (11 students)
10. Instructor; Advanced Airway Management, MS4 Get Ready for Residency Anesthesiology & Emergency Medicine Tracks, University of Pittsburgh School of Medicine, 2022 (27 students)
11. Lecturer and Instructor; Crisis Resource Management, MS4 Get Ready for Residency Anesthesiology Track, University of Pittsburgh School of Medicine, 2022 (11 students)
12. Instructor; Cardiac POCUS Workshop, MS4 Get Ready for Residency Anesthesiology Track, University of Pittsburgh School of Medicine, 2022 (11 students)
13. Lecturer, Instructor; General Anesthesia Introductory Simulation Day, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine; 8-hour workshop including didactic and high-fidelity simulation to review basics of preoperative assessment, induction, maintenance, emergence, and recovery of anesthesia, 2023 (4 sessions, approx 60 students)
14. Instructor and Lecturer; CVC Skills Session, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2023 (6 sessions, approx 90 students)
15. Lecturer; OB Anesthesiology, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2023 (1 session, 12 students)
16. Instructor; Advanced Airway Management, MS4 Get Ready for Residency Anesthesiology & Emergency Medicine Tracks, University of Pittsburgh School of Medicine, 2023 (28 students)
17. Lecturer and Instructor; Crisis Resource Management, MS4 Get Ready for Residency Anesthesiology Track, University of Pittsburgh School of Medicine, 2023 (16 students)
18. Instructor; Cardiac POCUS Workshop, MS4 Get Ready for Residency Anesthesiology Track, University of Pittsburgh School of Medicine, 2023 (16 students)
19. Instructor and Lecturer; CVC Skills Session, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2024 (1 sessions, approx 20 students)
20. Lecturer; OB Anesthesiology, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, 2024 (1 session, 20 students)
21. Facilitator, MS-1 Introduction to Medical Interviewing, University of Pittsburgh School of Medicine, 2024 (5 students over 7 sessions)
22. Small Group Facilitator, Keystone Fundamentals, University of Pittsburgh School of Medicine, 2024

CURRICULUM DEVELOPMENT

National/International

1. Advanced Airway Management; Center for Sustainment of Trauma and Readiness Skills (CSTARS), United States Air Force School of Aerospace Medicine (USAFSAM); 10-hour

course including didactics, simulation, and clinical rotation introducing students to respiratory physiology, pharmacology of drug assisted intubation, non-invasive airway techniques, supraglottic airway techniques, endotracheal airway techniques, and surgical airway techniques

2. Mechanical Ventilation and Blood Gas Analysis; CSTARS, USAFSAM; 1-hour didactic introducing students to common modes of ventilation, analysis of blood gas, and appropriate clinical management based on blood gas results during initial resuscitation of trauma patients
3. Recorded lecture: Acute Respiratory Distress Syndrome, Oakstone Anesthesiology CME Board Review Course, 2021
4. Recorded Lecture: Crystalloids, colloids, which fluid do I use?, Oakstone Perioperative Management CME Course, 2021
5. Editor, MCQ Bank for USAF Anesthesiology (Critical Care subtopic) - Predeployment question bank to maintain competency of general practice anesthesia providers, USAF, 2021-2022

Regional

1. Central Venous Catheter Workshop; University of Pittsburgh School of Medicine MS3 Anesthesiology Clerkship; 90-minute Didactic lecture and low-fidelity simulation session, 2021
2. Airway anatomy, physiology, and management lecture; UPMC Critical Care Medicine Fellowship Advanced Airway Rotation; 45-minute Didactic Lecture reviewing airway anatomy, physiology, and management for non-anesthesia critical care medicine fellows, 2021
3. Difficult Airway Lecture; UPMC Anesthesiology Residency Trauma/Burn Rotation; 30-minute Lecture reviewing airway concerns specific to management of trauma/burn patients in the perioperative and critical care environments, 2021
4. Fluid Management in Burn Patients Lecture; UPMC Anesthesiology Residency Trauma/Burn Rotation; 45-minute lecture reviewing fluid management as it relates to critically ill patients and the implications of the glycocalyx on fluid pathophysiology in burn patients, 2021
5. Anesthesiology Track Curriculum; University of Pittsburgh School of Medicine MS4 Get Ready for Residency Clerkship; developed novel curriculum for MS4 students transitioning to their internship with focus on critical care and crisis management skills spanning twelve 90-minute sessions, 2022
6. Difficult Airway Management Workshop; University of Pittsburgh School of Medicine Get Ready for Residency Clerkship; co-developed workshop focused on advanced airway management taught utilizing didactics, low-fidelity simulation, and high-fidelity simulation for both Anesthesiology and Emergency Medicine Tracks, 2022
7. Crisis Resource Management Workshop; University of Pittsburgh School of Medicine Get Ready for Residency Clerkship; developed workshop focused on crisis management

skills, team dynamics, and optimizing performance/communications utilizing didactics and high-fidelity simulation, 2022; revised 2023

8. Fluid Management in Critically Ill Patients lecture; University of Pittsburgh School of Medicine Get Ready for Residency Clerkship; developed 90-minute lecture reviewing current understanding of fluid dynamics, fluid physiology, cardiovascular physiology, and perfusion, 2022
9. Author, Critical Care Air Transport Chapter; Uniformed Services University School of Medicine Anesthesiology Clerkship; author of chapter in medical student manual for anesthesiology clerkship reviewing the En Route Care system, flight physiology, medical concerns during critical care transport, and review of military aircraft utilized for medical evacuation, 2022
10. PBLD: In-OR Teaching; UPMC Anesthesiology Residency, 90-minute interactive lecture discussing basic principles for teaching trainees (medical students and peers) in the operating room, 2022

Simulation Development

1. MS3 PE Simulation, Hi-fidelity simulation set in Preop Holding, currently utilized in MS3 clerkship
2. CCATT PE Simulation, Hi-fidelity simulation set during fixed-wing critical care air transport; developed for Pacific Air Forces CCAT team
3. MS4 Sepsis Sim, Hi-fidelity simulation set on hospital floor, currently utilized in MS4 Anesthesia Boot Camp
4. MS4 Vent Alarm Sim, Hi-fidelity simulation set in ICU, currently utilized in MS4 Anesthesia Boot Camp
5. MS4 Torsade's Sim, Hi-fidelity simulation set in PACU, currently utilized in MS4 Anesthesia Boot Camp
6. MS4 Compartment Syndrome Sim, Hi-fidelity simulation set on surgical hospital floor, currently utilized in MS4 Anesthesia Boot Camp
7. MS4 Bradycardia/Asystole Sim, Hi-fidelity simulation set on medicine hospital floor, currently utilized in MS4 Anesthesia Boot Camp

MENTORING

Students

1. Tatiana Purnell; Advised college student throughout application process to medical school. In addition to the application process, I worked with her as she contemplated pursuing a Health Professions Scholarship through the armed services. She decided against a military scholarship and is starting her first year as a medical student in Chicago; 2021-2022
2. Tracy Swan; MS-1 FAST Advisor, UPSOM; 2023
3. Rochelle Fletcher; MS-1 FAST Advisor, UPSOM; 2023
4. Ian Pollack; MS-1 FAST Advisor, UPSOM; 2023

5. Felix Aggor; MS-1 FAST Advisor, UPSOM; 2023
6. Miracle Rogers; MS-1 FAST Advisor, UPSOM; 2023

Residents

1. David Mulliner, MD; advised resident on career paths and coached through military and civilian fellowship application process; accepted in OB anesthesiology fellowship; 2018-2019
2. Zach Fuller, MD; assigned faculty mentor for anesthesiology resident; Jul 2022-Present
3. Fernando Brea, MD; focused individual learning plan, Sep 2022 – Jan 2023
4. Tho Nguyen, MD; focused individual learning plan, Oct 2022 – Jan 2023
5. Alexander Chasse, MD; focused individual learning plan, Oct 2022 – Jan 2023
6. Boris Anyama, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
7. Jenny Biaesch, DO; focused learning plan and resident coaching, Apr 2023 – Aug 2023
8. Madeline Bireley, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
9. Erin Cisney, MD; focused learning plan and resident coaching, Apr 2023 – Jun 2023
10. Miles Gray, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
11. Nehah Harinarayan, MD; focused learning plan and resident coaching, Apr 2023 – Jun 2023
12. Kevin Jin, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
13. Rebecca Minorini, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
14. Miriam Oren, MD; focused learning plan and resident coaching, Apr 2023 – Jun 2023
15. Krupa Patel, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
16. Jacob Pickle, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
17. Connor Richardson, MD; focused learning plan and resident coaching, Apr 2023 – Jun 2023
18. Lorena Tagle, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
19. David Wideman, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
20. Greg Williamson, MD; focused learning plan and resident coaching, Apr 2023 – Aug 2023
21. Brett Marshall, MD; focused learning plan and resident coaching, May 2023 – Present
22. Hong Chen, MD; assigned faculty mentor for anesthesiology resident; Jul 2023 – Present
23. Lauren Nahouraii, MD; focused learning plan and resident coaching; Aug 2023 – Present
24. Henry Paiste, MD; focused learning plan and resident coaching; Sept 2023 - Present

Faculty/Attendings

1. Sam Smith, MD (Emergency Medicine Physician); provide guidance on clinical practice in military medicine, military bearing, and promotions. 2021-2022
 2. Jason Valledares, MD (Critical Care Anesthesiologist); provide guidance on clinical practice in military medicine, military bearing, and promotions. Yearly performance reviews with quarterly check-ins. 2021-2022
-

3. Steven Propst, MD (Emergency Medicine Physician; provide guidance on clinical practice in military medicine, military bearing, and promotions. Yearly performance reviews with quarterly check-ins. 2022-2022

INVITED SEMINARS AND LECTURESHIPS

1. Hypothermia Clinical Practice Guideline Review, Grand Rounds Lecture, Medical Staff, Craig Joint Theater Hospital; 3/27/2017
2. Hypothermia in the Trauma Patient, Grand Rounds Lecture, Dept of Anesthesiology and Critical Care, Saint Louis University; 6/20/2018
3. Endothelial Glycocalyx Layer and Implications in Fluid Management, Critical Care Medicine Fellowship Lecture Series, Emory University; 5/27/2019
4. Sepsis, fluids, and the endothelial glycocalyx; CRNA Educational Lecture Series, Anesthesia Specialists of Bethlehem; 6/16/2020
5. Fluid management in critically ill patients, UPMC Mercy Dept of Anesthesiology; 3/24/2021
6. ARDS Review, UPMC Mercy Dept of Anesthesiology; 5/19/2021
7. ARDS Review, Pacific Air Forces Critical Care Air Transport Teams, Kadena AB, Okinawa Japan, 10/20/21
8. Fluid Management in critically ill patients, Pacific Air Forces Critical Care Air Transport Teams, Kadena AB, Okinawa, Japan; 11/28/21
9. Fluid Management in critically ill patients, Anesthesiology Grand Rounds, Saint Louis University Hospital, Saint Louis, MO; 8/24/22
10. Fluid Management in critically ill patients, Anesthesiology Grand Rounds, University of Tennessee Medical Center, Knoxville, TN; 2/22/23

SERVICE

Quality Improvement

1. Perioperative new-onset atrial fibrillation treatment guideline, developed for use at UPMC Mercy in collaboration with the cardiology and anesthesiology departments for patients with new-onset atrial fibrillation identified preoperatively; implemented fall 2022

Graduate Medical Education

1. Member, Resident Selection Committee, Dept. of Anesthesiology and Critical Care, Saint Louis University, Saint Louis, MO; 9/2015 – 6/2018
2. Member, Resident Education Committee, Dept of Anesthesiology and Perioperative Medicine, UPMC, Pittsburgh, PA; 2/2021 – Present
3. Chair, Clinical Competency Committee, Anesthesiology Residency, UPMC, Pittsburgh, PA; 8/2022 – Present

4. Chair, Clinical Competency Committee, Combined Anesthesiology Pediatrics Residency, UPMC, Pittsburgh, PA; 3/2023 – Present
5. Interviewer, Anesthesiology Residency, UPMC, Pittsburgh, PA; 12/2023 - Present

Undergraduate Medical Education

1. Core Teaching Faculty, MS3 Anesthesiology Clerkship, University of Pittsburgh School of Medicine, Pittsburgh, PA; 5/2021 - Present
2. Director, Anesthesiology Track, MS4 Get Ready for Residency Clerkship, University of Pittsburgh School of Medicine, Pittsburgh, PA; 8/2021 – 8/2023
3. Advisor, Faculty and Students Together (FAST), University of Pittsburgh School of Medicine, Pittsburgh, PA; 7/2022 – 6/2023
4. Interviewer, Medical School Admissions, University of Pittsburgh School of Medicine, Pittsburgh, PA; 9/2022 – 8/2023
5. Longitudinal Educator, University of Pittsburgh School of Medicine, Pittsburgh, PA; 7/2023 – Present
6. Clinical Skills Preceptor, University of Pittsburgh School of Medicine, Pittsburgh, PA; 07/2023 – Present

Military Service

1. Deployment, 455th EMDS, Bagram AB, Afghanistan; 10/2016-5/2017
2. Flight Commander, Critical Care and Emergency Services, 932nd MDS, US Air Force, Scott AFB, IL; 6/2021 – 9/2022
3. Manning Assist, PACAF CCATT, Kadena AB, Okinawa, Japan; 9/2021-12/2021
4. Editor, Anesthesiology Critical Care Pre-Deployment CME Question Bank, USAF; 10/2021 – 6/2022
5. CCATT Director, En Route Critical Care Flight, 459th ASTS, US Air Force, Andrews AFB, MD; 6/2023 – Present

International Service

1. Member, Board of Directors, Surgicorps International; 7/2021 – Present

International Medical Missions Trips

1. Talavera, Philippines; one week; World Surgical Foundation, Camp Hill, PA (Pediatrics); Jan 2015
2. Paro, Bhutan; one week; Surgicorps, Pittsburgh, PA (Pediatrics, Plastics); May 2015
3. La Ceiba, Honduras; one week; World Surgical Foundation, Camp Hill, PA (OB/Gyn, Pediatrics); Oct 2015
4. San Fernando and Laguna; Philippines, two weeks; World Surgical Foundation, Camp Hill, PA (Pediatrics); Feb 2016
5. Batangas, Philippines; one week; World Surgical Foundation, Camp Hill, PA (Pediatrics); Feb 2018

6. Paro, Bhutan; one week; Surgicorps, Pittsburgh, PA (Pediatrics, Plastics); May 2018
7. Lusaka, Zambia; one week; Surgicorps, Pittsburgh, PA (Pediatrics, Plastics); April 2022
8. Lusaka, Zambia; one week; Surgicorps, Pittsburgh, PA (pediatrics, Plastics); Sept 2022

National Service

1. Rules Committee Member, House of Delegates, American Medical Association; 1/2009 – 12/2009
2. Delegate, House of Delegates, American Medical Association; 1/2009 – 12/2009
3. Delegate, House of Delegates, American Medical Association; 1/2010 – 6/2010
4. MSS Governing Council, American Medical Association; 7/2010 – 6/2011
5. Alternate Delegate, House of Delegates, American Medical Association; 7/2010 – 6/2011
6. Alternate Delegate, House of Delegates, American Medical Association; 7/2013 – 12/2013
7. Alternate Delegate, House of Delegates, American Medical Association; 1/2014 – 12/2014
8. Vice Speaker, RFS Governing Council, American Medical Association; 6/2014 – 6/2015
9. Adjunct Member, Committee on Trauma and Emergency Preparedness, American Society of Anesthesiologists, 10/2022 - 10/2024
10. Adjunct Member, Committee on Patient Blood Management, American Society of Anesthesiologists, 10/2022 - 10/2024
11. Adjunct Member, Committee on Uniformed Services and Veterans' Affairs, American Society of Anesthesiologists, 10/2022 - 10/2024

Regional Service

1. Vice Chair, MSS Governing Council, Pennsylvania Medical Society; 10/2008 – 10/2009
2. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2008
3. Sgt-at-Arms, House of Delegates, Pennsylvania Medical Society; 10/2009
4. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2009
5. Chair, RFS Governing Council, Pennsylvania Medical Society; 10/2011 – 10/2012
6. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2011
7. RFS Trustee, Board of Trustees, Pennsylvania Medical Society; 5/2012 – 10/2014
8. Delegate, House of Delegates, Missouri State Medical Association; 3/2016
9. Vice Chair, YPS Governing Council, Missouri State Medical Association; 3/2016 – 3/2018
10. Delegate, House of Delegates, Missouri State Medical Association; 3/2018
11. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2019
12. District IV Trustee, Board of Trustees, Pennsylvania Medical Society; 10/2019 – 9/2020
13. Voting Disclosure Task Force, Pennsylvania Medical Society; 12/2019 – 9/2020
14. Legislative Task Force, Pennsylvania Medical Society; 12/2019 – 9/2020
15. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2022

16. Reference Committee Member, House of Delegates, Pennsylvania Medical Society;
8/2022 - 10/2022
17. Delegate, House of Delegates, Pennsylvania Medical Society; 10/2023

Local Service Activities

1. RFS Representative, Board of Directors (non-voting), Allegheny County Medical Society;
10/2012 – 1/2015
2. Associate Editor, ACMS Bulletin, Allegheny County Medical Society; 1/2014 –
6/2015
3. Political Advocacy Committee member, Saint Louis Metropolitan Medical Society;
1/2016 – 6/2018
4. Disaster Team Chief, Surgical Flight, Craig Joint Theater Hospital, Bagram Airfield,
Afghanistan; 10/2016 – 4/2017
5. Peer Review Leader for Anesthesiology, Craig Joint Theater Hospital, Bagram Airfield,
Afghanistan; 10/2016 – 4/2017
6. Pharmacy and Therapeutics Committee, Geisinger St. Luke's Hospital, Orwigsburg, PA;
1/2020 – 11/2020
7. Transfusion Committee, UPMC Mercy Hospital, Pittsburgh, PA; 2/2021 – Present
8. WISER Research Committee, University of Pittsburgh/UPMC, Pittsburgh, PA; 5/2023 -
Present