CURRICULUM VITAE

Andrew N. Musits MD, MS, FACEP

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EDUCATION

9/03-5/07	Siena College (B.A., Biology) Albany, NY
7/07-5/11	Albany Medical College (M.D.) Albany, NY
7/14-8/16	Master of Science in Medical Education (M.S.) University of Pittsburgh, Pittsburgh PA

POSTGRADUATE TRAINING

7/11-6/14	Emergency Medicine Residency Albany Medical Center, Albany NY
7/13-6/14	Chief Resident in Emergency Medicine Albany Medical Center, Albany NY
7/14-6/16	Fellowship in Simulation and Medical Education University of Pittsburgh Medical Center, Pittsburgh PA

HONORS AND AWARDS

9/16	Best Abstract Award for Session I, University of Pittsburgh MedEd Day
1/17	3rd Place Award Winner – Research Abstract. International Meeting for Simulation in Healthcare; Orlando, FL
12/18	Rising Star Faculty Award. Brown Emergency Medicine
3/19	CARE Award for Enhancing Patient Experience. Miriam Hospital
11/19	Outstanding Contribution to Education Award. Brown Emergency Medicine.
1/21	Outstanding Service Award. Journal Club Affinity Group, Society for Simulation in Healthcare.
4/21	RI ACEP Award for Educational Innovation
10/21	ACEP Fellow status

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Board Certification
2015-Present American Board of Emergency Medicine
Medical Licensure
2017-Present Rhode Island Medical License
2014-2017 Pennsylvania Medical License
2014-Present DEA #

ACADEMIC APPOINTMENTS

2017-Present Assistant Professor
Warrant Alpert Medical School, Brown University
Department of Emergency Medicine

2016-2017 Clinical Assistant Professor
University of Pittsburgh School of Medicine
Department of Emergency Medicine

2014-2016 Clinical Instructor
University of Pittsburgh School of Medicine
Department of Emergency Medicine

HOSPITAL APPOINTMENTS

2017-Present Attending Physician
Rhode Island Hospital, Providence RI
Anderson Emergency Center

2017-Present Attending Physician
The Miriam Hospital, Providence RI
Emergency Department

2014-2017 Attending Physician
McKeesport Hospital, McKeesport PA
Emergency Department

2015 Attending Physician
Uniontown Hospital, Uniontown PA
Emergency Department

OTHER APPOINTMENTS

2022-2023 Emerging Leader Development Program (Elead)
One of 15 nationwide participants selected for this year long Society for Academic Emergency Medicine leadership development program.

2020-Present Director, Lifespan Medical Simulation Center, Providence RI
Oversee operational, programmatic, and curricular development of simulation-based programs across various specialties and levels of trainees at this academic health system simulation center.

2018-Present Program Director, Medical Simulation Fellowship
Warren Alpert Medical School, Brown University
Department of Emergency Medicine
Expanded the fellowship program to include a two-year option with advanced degree and developed a more formalized curriculum supported by core simulation faculty.

2018-Present Core Faculty, Emergency Medicine Residency
Warren Alpert Medical School, Brown University

2017-2020 Director of Resident Simulation
Warren Alpert Medical School, Brown University
Department of Emergency Medicine
Created formalized two-year simulation curriculum including a curricular handbook and scenario bank to optimize sustainability of the program.

2016-2017 Associate Director, Patient Safety Education
WISER Simulation Center, University of Pittsburgh Medical Center
Led simulation-based patient safety efforts for a 23-hospital system, including central line procedural training and in-situ mock code programs.

2014-2017 Medical Director, Inpatient Crisis Response System Evaluation Program
WISER Simulation Center, University of Pittsburgh Medical Center
Developed standardized operational and reporting procedures for in-situ systems assessments across the health system.

HOSPITAL COMMITTEES

2020 Training and Orientation Committee, Lifespan Alternative Hospital Site.
Rhode Island Hospital, Providence RI

2014-2017 McKeesport Hospital ED Interdisciplinary Committee, McKeesport PA

2012-2014 Albany Medical Center Trauma Steering Committee, Albany NY

UNIVERSITY COMMITTEES

2020 CoVID Airway Taskforce. Brown Emergency Medicine, Providence RI

2018-Present Emergency Medicine Resident Clinical Competency Committee. Brown Emergency Medicine, Providence RI.

2018-Present Emergency Medicine Resident Advisory Committee. Brown Emergency Medicine, Providence RI

2009-2011 Albany Medical College Office of Admissions, Albany NY
Interview medical school Applicants

NATIONAL COMMITTEES

2019-2020 Society of Academic Emergency Medicine: Simulation Academy. Fellowship Accreditation Committee. Member.

2019-2020 Society for Simulation in Healthcare: Fellowship Accreditation Committee. Member.

2018-Present Society of Academic Emergency Medicine: Simulation Academy. Education Subcommittee. Member.

2018-2020 Society for Simulation in Healthcare. Journal Club Affinity Group. *Founding President. Online program with over 600 members hosts scholarly literature review for international audience.*

MEMBERSHIP IN SOCIETIES

2010-Present American College of Emergency Physicians
2014-Present Society for Simulation in Healthcare
2014-Present Society for Academic Emergency Medicine
2010-2016 Emergency Medicine Residents Association

PUBLICATION LIST

Peer Reviewed Publications:

1) **Musits A**, Phrampus P, Lutz J, Bear T, Maximous S, Mrkva A, O'Donnell J. Physician vs. Non-Physician instruction: Evaluating an expert curriculum-competent facilitator model for simulation-based central venous catheter training. *Simulation in Healthcare*. Aug 2019 14 (4): 228-234.

2) **Musits A**, Mannix A. Synchronous Online Journal Club Connects Subspecialty Trainees Across Geographic Barriers. *West J Emerg Med*. Jan 2020; 21 (1): 33-36.

3) **Musits A**, Wing R, Simoes M, Style M, Petrone G, Musisca N, Brown L. Interdepartmental Collaboration for Simulation-based Education Obstetric Emergencies for Emergency Medicine. *RI Medical Journal*. May 2020; 42-45.

4) Naganathan S, Meehan-Coussee K, Pasichow S, Rybasack-Smith H, Binder W, Beaudoin F, **Musits A**, Sutton E, Petrone G, Levine A, Suner S. From Concerts to COVID: Transforming the RI Convention Center into an Alternate Hospital Site in under a Month. *RI Medical Journal*. August 2020; 8-13.

5) **Musits A**, Petrone G, Lindquist D, George P. First call simulation: preparing for acute patient decompensation with facilitated, peri-scenario debriefing. *MedEdPORTAL.* 2020; 16:10982.

6) Moretti K, **Musits A**, Aluisio A, McGregor A. Let's Get Personal: Academic Office Displays and Gender. *The Permanente Journal*.2020; 24:19.237.

7) Petrone G, Brown L, Binder W, Naganathan S, Pasichow S, Rybasack-Smith H, Duquette C, Palka D, **Musits A**. The Calm Before the Storm: Utilizing In Situ Simulation to Evaluate for Preparedness of an Alternative Care Hospital During COVID-19 Pandemic. *Disaster Medicine and Public Health Preparedness.* March 2021; 25:1-5

8) Clyne B, Barber Doucet H, Brown L, **Musits A**, Jacobs E, Merritt C, Merritt R, Allister L, Petrone G, Musisca N, Smith J, Baird J, Mello M. Maintaining Procedural Skills for Academic Emergency Medicine Faculty: A Needs Assessment. *AEM Education and Training*. October 2021; 5(4)

9) Ahmed RA, Wong AH, **Musits AN**, Cardell A, Cassara M, Wong NL, Smith MK, Bajaj K, Meguerdichian M, Szyld D. Accreditation of Simulation Fellowships and Training Programs: More checkboxes or elevating the field? *Simulation in Healthcare.* April 2022; 17(2), 120-130.

10) **Musits AN**, Merritt C, Petrone G, Merritt R, Brown LL, Wing R, Smith J, Tubbs R, Moretti K, Clyne B. Faculty support bundle for simulation education. *Clin Teach*. April 2022; 19(2), 106-111.

11) Musisca N, Rybasack-Smith H, **Musits A**, Petrone G, Wightman R, Smith J, Brown L, Foggle J. Multiple Hospital In-Situ Mass Casualty Incident Training Simulation for Emergency Medicine Residents: A Sarin Bomb Scenario. *RI Medical Journal*. October 2023; 36-40.

Book Chapters:

Chapter Author: Program Evaluation. *Comprehensive Healthcare Simulation: Mobile Medical Simulation,* Carstens P, Paulman et al. Springer 2019. https://doi.org/10.1007/978-3-030-33660-8.

Curricular work in other media:

1) Central Line Removal Module.
   Developed online curriculum highlighting safe practices for central line removal Implemented by UPMC system-wide in 2014. Published on WISERS learning management system with over 550 trainees completing the curriculum. (updated 7/2022) https://wiser.simmedical.com/apps/courses/courseview.asp?course_id=8278

2) Introduction to Central Line
   New online curriculum for central line placement
   Implemented by UPMC system-wide in 2016. Published on WISERS learning management system with over 870 trainees completing the curriculum. (updated 7/2022) https://wiser.simmedical.com/apps/courses/courseview.asp?course_id=3131

3) Inpatient Crisis System Response Evaluation: Program Handbook. WISER Simulation Center, University of Pittsburgh Medical Center. 2017.
   Includes standard operational and reporting procedures, templates, and other faculty support materials for in-situ systems evaluations using simulation. https://ca.simmedical.com/CourseMedia/pdf/21527.pdf

4) Development of a 3-D printed Seldinger technique task trainer to enhance simulation based central line trainer.
   Prototype published on WISER Minutes, April 2017: https://www.youtube.com/watch?v=_362ePXQHJU

5) The Emergency Care Course (TECC). Five-day course designed by Emergency Medicine Kenya Foundation for healthcare providers in rural settings.

Contributing Author. (Three simulation scenarios), 2018. This sustainable program relied on local experts and has trained 19 emergency departments to date (2022). *https://www.emergencymedicinekenya.org/tecc/*

6) Brown Emergency Medicine Resident Simulation Curriculum Handbook.
A two-year curriculum with administrative and faculty supports. 2020. Published on the Simulation Fellowship Canvas page: *https://canvas.brown.edu/courses/1085367/files/folder/Resident%20Simulation?preview=68344515*

7) Climate Change and Emergency Medicine.
A 10-day intensive curriculum on climate change and emergency medicine. Rublee C, Giudice C, Moretti K, Martin K, **Musits A**. Published December 2022: https://www.aliem.com/climate-change-emergency-medicine/

ABSTRACTS

1) Utilizing In-Situ Simulation to Improve Condition A Response
Alvarez J, Kastelic W, Dongilli T, **Musits A**
Poster: Annual Clinical Research Forum at UPMC St. Margaret. May 22, 2015

2) Interprofessional Online Journal Club for Simulation Fellows: A low cost educational innovation. **Musits A**, Lutz J, Phrampus P Poster: International Meeting for Simulation in Healthcare; San Diego, CA. January 17, 2016

3) Is non-physician instruction inferior to attending physician instruction for central line training in the simulation lab? **Musits A**, Phrampus P, Lutz J, Bear T, Maximous S, Mrkva A, O'Donnell J University of Pittsburgh MedEd Day; Pittsburgh, PA. September 30, 2016

4) Is non-physician instruction inferior to attending physician instruction for central line training in the simulation lab? **Musits A**, Phrampus P, Lutz J, Bear T, Maximous S, Mrkva A, O'Donnell J. Simulation in Healthcare. December 2016.

5) Qualitative Word Cloud Analysis of Healthcare System Safety Themes Identified through Mock Code Simulations. Duran H, Lapointe R, Dongilli T, Farkas D, Miracle K, **Musits A**, Phrampus P, Emlet L. International Conference On Rapid Response Systems And Medical Emergency Teams. April 18, 2019.

6) First Call: Simulation and the Internship Preparation Course. Petrone G, Lindquist D, Decerbo P, **Musits A.** Medical Education Scholarship Poster Session & Reception**;**

Providence, RI. May 15th, 2019.

7) Evaluation of Current Educational Methods for Emergency Cricothyrotomy Training Using an Obese Cricothyrotomy Task Trainer. Petrone G, **Musits A.** Oral abstract presentation: International Meeting for Simulation in Healthcare; San Diego, CA. January 19, 2020.

8) First Call: Simulation and the Internship Preparation Course. Petrone G, Lindquist D, **Musits A.** Poster: International Meeting for Simulation in Healthcare; San Diego, CA. January 19, 2020.

9) Faculty Engagement in Resident Simulation: Barriers and Proposed Solutions. **Musits A**, Petrone G, Merritt C, Merritt R, Brown L, Wing R, Smith J, Tubbs R, Clyne B. Poster. New England Regional Meeting of the Society for Academic Emergency Medicine; Worchester, MA. March 25th, 2020.

10) Let's Get Personal: Professional Credential Displays and Gender. Moretti K, **Musits A**, McGregor A, Aluisio A. Poster. New England Regional Meeting of the Society for Academic Emergency Medicine; Worchester, MA. March 25th, 2020.

11) The Calm Before the Storm: Utilizing In Situ Simulation to Evaluate for Preparedness of an Alternative Care Hospital During COVID-19 Pandemic. Petrone G, Brown L, **Musits A**. Poster: International Meeting for Simulation in Healthcare; Virtual Conference. January 28, 2021.

12) Procedural Skill Maintenance Needs Among Academic Emergency Physicians. Clyne B, Barber Doucet H, Brown L, Merritt C, **Musits A**, Jacobs E, Merritt R, Allister L, Smith J, Petrone G, Musisca N, Baird J, Mello M. Poster: New England Regional Meeting of the Society for Academic Emergency Medicine Virtual Meeting. April 2021.

13) Assessing Content Validity of a Faculty Procedural Skills Survey. Clyne B, Barber Doucet H, Brown L, Merritt C, **Musits A**, Jacobs E, Merritt R, Allister L, Smith J, Musisca N, Petrone G, Baird J, Mello M. Poster: New England Regional Meeting of the Society for Academic Emergency Medicine Virtual Meeting. April 2021.

14) Procedural Skill Maintenance Needs Among Academic Emergency Physicians. Clyne B, Barber Doucet H, Brown L, Merritt C, **Musits A**, Jacobs E, Merritt R, Allister L, Smith J, Petrone G, Musisca N, Baird J, Mello M. Poster: Society for Academic Emergency Medicine Virtual Meeting. May 2021.

15) Assessing Content Validity of a Faculty Procedural Skills Survey. Clyne B, Barber Doucet H, Brown L, Merritt C, **Musits A**, Jacobs E, Merritt R, Allister L, Smith J, Musisca N, Petrone G, Baird J, Mello M. Poster: Society for Academic Emergency Medicine Virtual Meeting. May 2021.

16) A National Survey of EM Residencies' Early Remote Learning in Response to COVID-19 Distancing Mandates. **Musits A**, Wing R, Smith J Petrone G, Clyne B, Merritt C. Poster: Society for Academic Emergency Medicine Virtual Meeting. May 2021.

17) Knopov A, Hess S, **Musits A**, Petrone G, Clyne B, Baird J, Meran R, Dwyer KH. Sonographer educator in the Emergency Department: Evaluation of a Novel Education Intervention. Poster Presentation: Council of Residency Directors in Emergency Medicine (CORD EM); March 2023; Las Vegas NV

18) Knopov A, Hess S, **Musits A**, Petrone G, Clyne B, Baird J, Meran R, Dwyer KH. Sonographer Educator in the Emergency Department: Evaluation of a Novel Education Intervention. Poster. SAEM NERDS; April 2023; Worcester MA

19) Hess S, Knopov A, **Musits A**, Meran R, Dwyer KH. Sonographer Educator in the Emergency Department: A quantitative evaluation. Poster. SAEM NERDS; April 2023; Worcester MA

INVITED PRESENTATIONS

International

1. "Everything You Need to Know to Run an In-situ Simulation" Dongilli T, **Musits A**. Workshop: International Meeting for Simulation in Healthcare; New Orleans, LA. January 13, 2015

2. "Hospital Based Simulation: Making Systems Safer" **Musits A**, Berg B, Lee-Jayaram J, Alvarez J, Kastelic W. Panel Presentation: International Meeting for Simulation in Healthcare; San Diego, CA. January 19, 2016

3. "Guided Tour: The Course Development Process" Farkas D, **Musits A.** Workshop: International Meeting for Simulation in Healthcare; San Diego, CA. January 19, 2016

4. "Sixth Annual Simulation Journal Club" Griswald S, Baier H, Crichlow A, Moadel T, **Musits A**, Wong A. Panel Presentation: International Meeting for Simulation in Healthcare; San Diego, CA. January 19, 2016

5. "Performing Educational Research: Complexities and Pitfalls Workshop" **Musits A**, Maximous S, Phrampus P. International Meeting for Simulation in Healthcare; Orlando, FL. January 30, 2017

6. "An Expert Curriculum – Competent Facilitator Model" Oral Presentation, International Meeting for Simulation in Healthcare; Orlando, FL. January 30, 2017

7. "Complexities in Educational Research" Oral Presentation, International Meeting for Simulation in Healthcare; Orlando, FL. February 1, 2017

8. "Navigate an Early Career in Simulation" Hock S, Wong A, Joseph M, Mannix, A, Nadir N, McKenna R, Imossi A, **Musits A**, Barwick, S. Panel Presentation, International Meeting for Simulation in Healthcare; Los Angeles, CA. January 16, 2018

9. "Finding Success and Failure: Program Evaluation Pearls – Hot Topics in Assessment and Evaluation" Oral Presentation, International Meeting for Simulation in Healthcare; San Antonio, TX January 29th, 2019

10. "More than one type of debriefing, which one is the best?" Oral Presentation, Clinical Simulation Symposium, Pontificia Universidad Javeriana. Bogota, Colombia. October 11, 2019.

11. "Fellowship Accreditation: Should We Go There?" Ahmed R, Bajaj K, Cassara M, Cardell A, Meguerdichian M, **Musits A**, Smith M, Wong A, Wong N, Szyld D. Panel Presentation: International Meeting for Simulation in Healthcare; San Diego, CA. January 20, 2020.

12. "Navigate a Career in Simulation: An Interprofessional Perspective. Cardell A, Hughes M, Davis S, Lannen A, **Musits A**, Ng G. Panel Presentation: International Meeting for Simulation in Healthcare; San Diego, CA. January 21, 2020.

13. "Gas, Pearls, and Diamonds: The Application of Debriefing Frameworks." **Musits A**, Petrone G, Pasichow S, Beck A. Workshop: International Meeting for Simulation in Healthcare; San Diego, CA. January 22, 2020.

14. We Got Engaged! A Faculty Support Bundle to Increase Engagement in Simulation Teaching. Merritt C, **Musits A**, Petrone G, Merritt R, Brown L, Wing R, Smith J, Tubbs R, Clyne B. Brief oral presentation. The International Conference on Residency Education; Vancouver, BC Canada. September 2020. (Cancelled due to COVID 19 Pandemic)

15. GAS, Pearls, and Diamonds: Tips for Success with Debriefing Frameworks. **Musits A**, Petrone G, Pasichow S, Beck A. Workshop: International Meeting for Simulation in Healthcare; Online due to COVID 19 Pandemic. January 19, 2021.

16. Mock Mock Who's There? Developing Faculty for a Robust Mock Code Program. Wing R, Brown L, Overly F, Franco M, Vrablik L, **Musits A**, Decerbo P. In-person Workshop with Livestream: International Meeting for Simulation in Healthcare; Orlando, FL. January 23, 2023.

17. "Increasing Value and Visibility" **Musits A**, Berg B, Bentley S. McNally K, Phrampus P. Panel Presentation: International Meeting for Simulation in Healthcare; Orlando, FL. January 25, 2023.

National

18. "Simulation in Medical Education: Virtual Patients? Mannequin-based Simulation? What is right for me?" Doshi A, **Musits A**, Brown A, Magee JB. Workshop: AAMC Northeast Group on Educational Affairs Conference; Worster, MA. April 18, 2015

19. "Development of The Online Journal Club for Simulation Fellows" Sim Academy Fellows Forum, Oral Presentation**.** Society of Academic Emergency Medicine National Conference; San Diego, CA. May 15, 2015

20. "Simulation 101" **Musits A**, Petrone G. Workshop: FOMO (Fear of Missing Out) Keeping Current with Digital Technology in Medical Education; Providence, RI. October 23, 2019

Regional

21. "Pediatric Trauma" Electronically Broadcast Presentation, Albany Medical College EMS Lecture Series. July 25, 2012

22. **"**Trauma, The First Five Minutes" Oral Presentation, Lifestar Regional Trauma Conference. Albany, New York. October 31, 2012

23. "Prioritization in Polytrauma" Oral Presentation, Albany Medical Center Joint Trauma Conference. January 2, 2013

24. "Proficiency in Pediatric Procedures" Oral Presentation, Albany Medical Center Core Lecture Series. March 27, 2013

25. "Pediatric Cardiac Arrest" Electronically Broadcast Presentation, Albany Medical College EMS Lecture Series. December 17, 2013

26. "Reversal with PCC, An Evidence Based Review" Oral Presentation, Albany Medical Center EM Grand Rounds. January 15, 2014

27. "In-Situ Simulation and Resuscitation: Where Plastic Meets Practice" Oral Presentation, SAFAR Symposium; Pittsburgh, PA. May 22, 2015

28. "Simulation, Assessment, and Research: Data collection and management tools" Oral Presentation, Children's Hospital of Pittsburgh Emergency Medicine Conference. March 23, 2016

29. "Endocrine Core Content: Sim Style" Oral Presentation, University of Pittsburgh EM Grand Rounds**.** March 31, 2016

30. "The Role of Simulation Based Procedural Skills Training in Patient Safety" Oral Presentation, SAFAR Symposium; Pittsburgh, PA. May 16, 2016

31. "Improving Central Line Training in the Simulation Lab: Efficacy of a competent facilitator model" Oral presentation, University of Pittsburgh Medical Education Research Conference**.** May 20, 2016

32. Debriefing with GAS: Lessons from simulation for bedside teaching. Oral presentation. **Musits A**, Petrone G, Pasichow S, Beck A. Alpert Medical School Program in Educational Faculty Development. April 10, 2019.

33. Contract Negotiation Pearls. Lecture Brown EM Professional Development Series. **Musits A**, Bubly G. December 9, 2019.

34. Warren Alpert Medical School, Emergency Medicine Interest Group. Fellowship Pathways. Panelist. February 24, 2021.

35. Debriefing: Tips and Tricks. Simulation Education Conference. Brown EM Simulation Fellowship. October 19, 2022.

36. Identifying Respiratory Failure, When to Intubate. Brown EM EMPED Lecture. November 30th, 2022.

37. Simulation Center Financial Models. International Fellows Leadership Series, STRATUS Center for Simulation. Boston, MA. June 20th, 2023.

GRANTS

1) Brown Emergency Medicine Innovations Grant: Obstetric Emergencies in the Emergency Department: A Simulation-Based Curriculum. Nicholas Musisca, MD, **Andrew Musits MD MS**, Linda Brown MD MSCE , Meera Simoes MD, Lindsay Clark Donat MD FACOG, Linda Dykstra, MSN, RN, CEN. October 2018. $7,000.

2) Brown Emergency Medicine Innovations Grant: Comparison of Open Versus Percutaneous Emergency Cricothyrotomy Using a Novel Obese Cricothyrotomy Task Trainer. Gianna Petrone DO, **Andrew Musits MD MS**, Leo Kobayashi MD. October 2018. $7,000.

3) Brown Physicians Incorporated Academic Assessment Grant: The current state of healthcare simulation in Rhode Island: Identification of needs, solutions, and collaborations. **Andrew Musits MD MS**, Sarah Freeman, MD September 2022. $12,500.

4) Brown Physicians Incorporated Academic Assessment Grant: Developing an Emergency Medicine Faculty Interactive Training on Necessary Emergency Skills & Simulation (EM FITNESS) Program. Robyn Wing MD, Gianna Petrone DO, Linda Brown MD MSCE, Frank Overly MD, **Andrew Musits MD MS**, Brian Clyne MD MHL. September 2022. $12,500.

UNIVERSITY TEACHING ROLES

2014-2015 Ethics Law and Professionalism, University of Pittsburgh
Small group facilitator for 1st year medical students. Eight-week course.

2014-2015 EM Resident Sim Wars, University of Pittsburgh
Coach for a group of 6 EM residents preparing for a national SimWars competition. Involves case development and facilitating hands on sessions in simulation lab.

2015 Senior Elective in Quality and Patient Safety, University of Pittsburgh.
Online Group Facilitator. Four-week project-based course focused on root cause analysis and quality improvement projects. Learners are 4th year medical students.

2015 Pre-Clerkship Course, University of Pittsburgh
Small Group Facilitator. Four 2-hour sessions preparing rising 2nd year medical students for medical emergencies in and outside of the hospital.

2015 Transitions to Internship, University of Pittsburgh
Small Group Facilitator. 3-hour session for 4th year medical students focused on difficult situations anticipated during internship.

2014-2016 Online Journal Club for Simulation Fellows, University of Pittsburgh
Creator and Course Director, Online Platform for National Audience

2015-2016 Basic Medical Interviewing, University of Pittsburgh
Small group facilitator for 1st year medical students. Eight-week course. Using standardized patients to teach basic history taking skills.

2014-2017 Advanced Medical Interviewing, University of Pittsburgh
Small group facilitator for 2nd year medical students. Six-week course. Using standardized patients to teach communication skills in difficult situations.

August 2018 Basics of Ultrasound. Warren Alpert Medical School of Brown University. Small group facilitator. 15 Students.

April 2018 Wilderness Medicine Elective. Warren Alpert Medical School of Brown University. Lecture: Blister Care. 20 Students.

April 2018 ACLS training. Warren Alpert Medical School of Brown University. Small group facilitator. 40 Students.

Nov. 2018 Lecture: Hypothermia and Cold Emergencies. Warren Alpert Medical School of Brown University. Wilderness Medical Elective. 15 Students.

2017-2019 Emergency Medicine Clerkship Airway and Cardiac Simulations. Warren Alpert Medical School of Brown University. Lecturer/simulation facilitator. Average class size: 10 Students.

2019-Present Approach to the Acutely Ill Patient, Preparation for Internship. Warren Alpert Medical School of Brown University. Simulation Based Class. Four sessions per year as part of Internship Preparatory Course.

April 2019 Wilderness Medicine Elective. Warren Alpert Medical School of Brown University. Lecture: Foot infections and prevention. 20 Students.

August 2019 Basics of Ultrasound. Warren Alpert Medical School of Brown University. Small group facilitator. 15 Students.

Nov. 2019 Essentials of Procedural Skills Class, Splinting workshop. Warren Alpert Medical School of Brown University. Small group facilitator. 15 Students.

April 2020 Wilderness Medicine Elective. Warren Alpert Medical School of Brown University. Lecture: Toxic Plants and Contact Dermatitis. 20 Students.

HOSPITAL TEACHING ROLES

2015-2017 Difficult Airway Management Instructor, University of Pittsburgh
Simulation based course for practicing professionals and residents.

2015-2017 Central Line Instructor, University of Pittsburgh
Simulation based course for practicing professionals and residents.

2015-2017 iSIM Instructor
Instructional methods in simulation course for practicing professionals and educators from across the United States. Taught courses in Pennsylvania, Florida, and Texas.

April 2018 Newport Hospitalists Airway Program. Lifespan Medical Simulation Center. Simulation Facilitator. 15 practicing professionals.

2017-2020 Emergency Medicine Resident Simulation Monthly Conference. Course Director. Average class size: 30

2018-2020 Emergency Medicine PGY1 Orientation Simulation Skills Lab. Course Director. Average class size: 13

2018-2020 Emergency Medicine PGY2 Critical Care Simulation Course. Course facilitator. Average class size: 13

May 2022 Code Training Course for Internal Medicine Residents. Lifespan Medical Simulation Center. Simulation Facilitator. 15 residents.

March 2022 Simulation Instructor Training: A facilitation and debriefing course. The Miriam Hospital, Center for Professional Practice Innovation. 14 nurse educators and leaders.

2018-Present Mock Oral Boards. Brown Emergency Medicine Residents. Case Examiner. 6 Residents per session.

2020-Present Emergency Medicine Resident Simulation Monthly Conference. Regular facilitator. Average class size: 30

MENTORING

Mentor for Dr. Katherine Stewart, Brown EM PGY-4, Participating in hybrid simulation fellowship experience as PGY 4&5. 2023-present.

Primary mentor for Medical Simulation Fellow at Brown Emergency Medicine. Fellow: Dr. Jared Mugfor, 2023-present.

Mentor for PGY 3 Brown EM Resident, Sean Bildoeau. Wilderness Medicine Educational Research Project. 2022-Present

Mentor for Simulation in Healthcare Journal Club Affinity group. Presenter: Brijesh Patel, MD PGY 3 Mount Sinai Medical Center, Miami Beach Emergency Medicine. December 2022

Primary mentor for Medical Simulation Fellow at Brown Emergency Medicine. Fellow: Dr. Alaa Aldalati, 2022-present.

Primary mentor for Medical Simulation Fellow at Brown Emergency Medicine. Fellow: Keegan McNally, 2021-present. Capstone project: Distance simulation and Advanced Life Support Training.

University College of Dublin School of Medicine. Summer Student Research Elective. Student: Fiona Byrne UCD class of 2022. Development and validation of a resuscitative hysterotomy task trainer.

Faculty and wellness mentor for Emergency Medicine Resident at Brown Emergency Medicine. Resident: John Martindale residency class of 2024.

Faculty and wellness mentor for Emergency Medicine Resident at Brown Emergency Medicine. Resident: Katie Miller residency class of 2023.

Primary mentor for Medical Simulation Fellow at Brown Emergency Medicine. Fellow: Gianna Petrone, 2018-2019. Capstone project: Simulation of bariatric cricothyroidotomy. Joined Brown Emergency Medicine Faculty in 2019 and became Director of Resident Simulation.

Faculty and wellness mentor for Emergency Medicine Resident at Brown Emergency Medicine. Resident: Frederick Varone residency class of 2022. Joined Brown Emergency Medicine Faculty in 2022.

Research mentor for student nurse anesthetist at the University of Pittsburgh. Project involving validation of a checklist assessment tool for central line placement. Student: Joseph Kim University of Pittsburg CRNA Program Class of 2016, Estimate 60 hours.

Internship supervisor for senior undergraduate student at the University of Pittsburgh enrolled in Emergency Medicine Program completing senior internship project. Student: Halee Karashin, University of Pittsburgh Class of 2015. Estimate 40 hrs.

Updated October 2023