

UNIVERSITY CURRICULUM VITAE

DATE: 12/3/2024

NAME: Joshua Bucher

PRESENT TITLE: Associate Professor – Rutgers - RWJMS Department of Emergency Medicine; Associate EMS Medical Director, RWJ-Barnabas Mobile Health Services, RWJUH

E-MAIL ADDRESS:

Joshua.T.Bucher@gmail.com

CITIZENSHIP: USA

UNDERGRADUATE EDUCATION:

- A. Rutgers University
New Brunswick, NJ
B.A. Political Science **5/2008**

- B. Jefferson Medical College
Philadelphia, PA
M.D. **5/2012**

POSTGRADUATE TRAINING:

- A. Internship and Residency
Rutgers – RWJMS
Robert Wood Johnson University Hospital
Co-Chief Resident PGY 3 **7/2012 – 6/2015**

- B. EMS Fellowship
Morristown Memorial Hospital
Emergency Medicine Associates **7/2015 – 6/2016**

As an EMS Fellow, I was responsible for providing direct patient oversight and medical control for paramedics in person, developing clinical protocols, providing administrative oversight, attending monthly meetings, providing education and implementing quality improvement. I was responsible for annual paramedic competency training and participated and developed the simulation mannikin sessions for the training.

EDUCATIONAL EXPERIENCES:

Counter Narcotics and Terrorism Medical Support (CONTOMS) Medical Director Course October 2018

CORD Connects – A new program from the Council of Residency Directors to promote professional development, offering monthly sessions. September 2017.

Focus 3: Event + Response = Outcome Workshop May 2017

Counter Narcotics and Terrorism Medical Support (CONTOMS) April 2017

Active Threat Integrated Response Course Jan 2017

Rutgers-RWJMS Faculty Development Education Series Spring 2016
This half year long course focused on developing faculty educational skills for medical students, residents and fellows.

NAEMSP Medical Director's Course 2016

AMTC Air Medical Director's Course 2015

HOSPITAL APPOINTMENTS:

Morristown Memorial Hospital
Department of Emergency Medicine
Attending Physician
7/2015 – 12/2017

Overlook Hospital – Union Campus
Department of Emergency Medicine
Attending Physician
7/2015 – 12/2017

Robert Wood Johnson University Hospital
Department of Emergency Medicine
Attending Physician
11/2015 – Present

Robert Wood Johnson Hospital Rahway
Department of Emergency Medicine
Attending Physician
5/2017 – 4/2022

ACADEMIC APPOINTMENTS:

Associate Professor, Professional Practice Track: Rutgers – Robert Wood Johnson

Medical School; July 2021 – Present

Assistant Professor, Clinical Educator Track: Rutgers – Robert Wood Johnson Medical School; July 2016 – June 2021

Temporary Secondary Appointment – Assistant Professor, Department of Medicine, RWJMS – October 2020 – June 2021 – In relation to the COVID Vaccine Trial

Clinical Instructor, Union County College Paramedic Program – 2015 - 2021

Core Faculty, RWJMS Department of EM – 2016 – 2023

LICENSURE:

NJ License: 25MA09625400 Exp.. 6/30/2023

CONTROLLED SUBSTANCE LICENSURE: CDS: D10549000 Exp. 10/31/2022 DEA: FB5189700 exp. 7/31/2024; DEA: FB5117002 exp 7/31/2023

CERTIFICATION:

EMT-B CEU Instructor (NJOEMS)

American Board of Emergency Medicine – 60645 (ID) - Board Certified in EM through 2026

Board Certified in EMS through 2031

FEMA EMI (Incident Command System/ICS) Training

IS-100.b; IS-200.b; IS-700.a; IS-701.a; IS-703.a; IS-706; IS-800.b

HAZMAT Awareness, CBRNE Awareness

OTHER APPOINTMENTS AND POSITIONS:

Associate EMS Medical Director RWJ-Barnabas, RWJUH January 2019 – Present; EMS Medical Director, Robert Wood Johnson Mobile Health Services (July 2017 – December 2018); Assistant EMS Medical Director, Robert Wood Johnson Mobile Health Services; July 2016 – June 2017

As EMS Medical Director, my responsibilities include:

- Oversight of the clinical providers, including BLS, ALS, SCTU, EMD and EMS special operations
- Education content approval and review – continuing education for ALS and BLS providers
- Providing education to the department and regular required training
- Clinical protocol drafting and review
- Recertification of paramedics and review of their credential
- Oversight of the quality improvement program as well as quality assurance and

chart review

Administrative responsibilities related to the state of NJ EMS requirements

Attending several meetings per month with EMS leadership

Member of the Clinical Leadership Team and participate in monthly meetings

Member of the Command Staff Team and participate in monthly meetings

Participate with investigations related to clinical issues

TEMS Medical Director and Team Physician, Middlesex & Somerset County SWAT; July 2016 - Present

MEMBERSHIPS, OFFICES, COMMITTEE ASSIGNMENTS AND PROJECTS IN PROFESSIONAL SOCIETIES:

American Board of Emergency Medicine – MyEMSCert Standard Setting Advisory Panel
October 2022

Council of Residency Directors in EM.

2017 – Present

Member

Education Committee Member 2017 - 2020 – We review and create educational opportunities for the membership. We review applications for the teaching fellowship.

National Association of EMS Physicians

Member; Research Committee Member

2011 – 2020

- Review research abstract submissions annually for the annual meeting
- Member of the NJ Chapter

American Academy of Emergency Medicine/Resident Student Association

Member; Publications Committee; Site Coordinator (RSA)

Member – Workforce Committee (2020 – 2021)

Vice Chair – Workforce Committee (March 2021 – April 2023)

Chair – Workforce Committee (April 2023 – present)

Young Physicians Section - Councilor – June 2021 – May 2023

2009 – Present

- Served on the research and education committees in the Resident Student Association
- Member of the workforce committee, legislative group, working on issues pertaining to the work force of emergency physicians and a physician-led team
- Appointed to the vice chair position of the Workforce committee in March 2021

American Medical Association

Member; Chair of Legislative Committee at Jefferson Medical College

2008 – 2012

- Passed four legislative pieces in the Student's Association

American College of Emergency Physicians/Emergency Medicine Resident's Association
Member of EMS/Prehospital Section, Tactical Section, Disaster Medicine Section;
Workforce Section

Past - Vice Chair of EMRA Research and EMS Division; Chair, Research Division; Chair,
Ultrasound Division; Chair, EMS Division

2008 – Present

- Founded the Ultrasound Division in EMRA
- Held numerous leadership positions within EMRA for several years
- Completed multiple projects including a landmark research article project for EMRA
- Started an EMS Lecture Database with the ACEP EMS Section composed of lectures to share amongst medical directors for EMS education

National Tactical Officers Association

Member

2016 – 2019

Society of Academic Emergency Medicine

Member

2012 – Present

Special Operations Medical Association

Member

2016 - 2017

HONORS, TITLES AND AWARDS:

Educator of the Year – June 2022 – Presented by RWJEM Graduates

Honored for being a Healthcare Hero at the Rutgers Scarlet Knights Spring Football
Game. 5/2021.

WestJEM Distinguished Reviewer of 2017-2018, 2018-2019, 2019 – 2020

Recognition of Service to the CCC 2018

Didactic Innovator of the Year 2018 Presented at RWJ EM Residency Graduation

Rutgers Connection Network Mentorship Certificate 2018

NJ ACEP Resident of the Year 2015

Hobart Amore Hare Honor Society Induction 2011

SERVICE ON MAJOR COMMITTEES:

Department of Emergency Medicine Quality Committee – Fall 2024 – present

CHF Readmissions Project

RWJUH Credentials Committee – September 2024 - Present

RBHS Faculty Council
2024 – Present

RWJMS Compensation Trends Committee – August 2022 – Present

RWJMS Faculty Council Committee – August 2022 – Present
President 2024 – present
Vice President, 2023 - 2024
Secretary, 2022 - 2023

RWJUH STEMI PI Committee – Jan 2022 – Present

ED Throughput Committee May 2021 – January 2023

Department of EM Promotions Committee – July 2021 - Present

AAUP-BHSNJ Executive Committee – Spring 2019 – Present
Secretary 2021 - Present

I was elected as a member of the executive committee for the union representing faculty at RWJMS.

I was elected secretary for the union executive committee for 2021 – present.

RWJ-Barnabas MHS Clinical Leadership Board
January 2019 - Present

Stroke PI

July 2016 – Present

I am a member of the committee as part of my responsibilities for EMS. The committee discusses the logistics and performance improvement for acute strokes.

Trauma PI

July 2016 – Present

I am a member of the committee as part of my responsibilities for EMS. The committee discusses the logistics and performance improvement for trauma patients.

Trauma Multidisciplinary Review Committee

July 2016 – Present

I am a member of the committee as part of my responsibilities for EMS. The committee discusses performance improvement for trauma patients with physicians from the involved departments.

Hospital Emergency Management Committee

June 2017 – Present

I am a member of the committee as part of my responsibilities for EMS. We discuss the emergency command center, incidents and operations.

Emergency Medicine Grand Rounds Committee

July 2017 – Present

I help with coordinating grand rounds topics and presenters.

Emergency Medicine Leadership Committee

July 2017 – 2020

As a member of the leadership committee, I contribute to departmental discussions.

Radiology – Emergency Department Joint Committee

May 2017 – Spring 2019

I served on this committee as a liaison between both departments to help improve flow and processes within the emergency department and radiological studies.

Education Steering Committee

May 2017 – 2019

I serve on this residency committee for the program. We develop, organize and plan for the didactic and long-term educational goals for the residents.

Clinical Competency Committee, Department of Emergency Medicine

7/2016 – December 2022

I served on the committee that reviews the residency classes and evaluates their progress on the ACGME milestones.

MICU Advisory Committee – 2015 – Present

As one of the EMS medical directors in the state of NJ, we have a quarterly meeting where we discuss topics of importance to EMS and make decisions on the future of EMS in the state. We advise the state department of health and office of emergency medical services.

Member, Union County College Paramedic Program Steering Committee

2015 - 2016

Chair, Residency Council of RWJMS GME Office

Rutgers – Robert Wood Johnson Medical School

7/2014 – 6/2015

Medical Education Research Group

March 2017 – 2020

SERVICE TO THE COMMUNITY:

Rutgers Day 2018 – Hands-Only CPR – Several of us staffed a table with CPR mannikins and taught hands only CPR to hundreds of Rutgers Day attendees.

Rutgers Day 2019 – Stop the Bleed! – I organized a table for Rutgers Day to train bystanders in bleeding control techniques. This involved the emergency department, the trauma department, and RWJ-MHS.

NJ EMS Task Force – 2016 – Present

The NJ EMS Task Force was created in the 2000s in response to the federal disaster response system reorganizing into what today is known as the NIMS system. It is an activatable volunteer organization comprised of healthcare and public health professionals from the state of NJ to respond to disasters both in and out of the state. As a physician on the task force, I take part of the physician module. I am responsible for helping to direct clinical care, providing care, organizing patient care, doing medical evaluations for members and in other aspects of the organization.

Morganville First Aid and Rescue Squad

Training & Membership Committee Member, Cadet Advisor, Vice President
2003 – 2016

TEACHING RESPONSIBILITIES:

Atlantic Health Paramedic Instructor – 2015 - 2016

Union County College Paramedic Instructor – 2015 – 2021

AHA BLS Instructor 2012 - 2016

NJ State BLS CEU Instructor – 2010 - Present

Journal Club – RWJMS Department of Emergency Medicine 2014 – 2015

Bedside Clinical Teaching 2015 – Present

CLINICAL RESPONSIBILITIES:

Attending Physician, Bedside Teaching, Emergency Medical Services Medical Direction, Clinical supervision

PUBLICATIONS:

A. Peer Reviewed, Refereed Original Article in Journal, Pubmed Indexed

1. J.E. Geller, P.O. Strickland PhD and J.T. Bucher, The use of the word “quiet” in the emergency department is not associated with patient volume: A randomized

- controlled trial, American Journal of Emergency Medicine (2022), <https://doi.org/10.1016/j.ajem.2022.03.020>
2. Rogers PJ, Lewis BM, Odak M, **Bucher J**. [Spontaneous Necrotizing Fasciitis](#). *Cureus*. 2020 Dec 3;12(12):e11880. doi: 10.7759/cureus.11880.
 3. Kacprzyński G, Bucher J. Delayed vertebral artery dissection after mild trauma in a motor vehicle collision, *The American Journal of Emergency Medicine*, 2020, ISSN 0735-6757, <https://doi.org/10.1016/j.ajem.2020.11.028>.
 4. Rogers P J, Lewis B M, Odak M, et al. (December 03, 2020) Spontaneous Necrotizing Fasciitis. *Cureus* 12(12): e11880. doi:10.7759/cureus.11880
 5. McGuinness M, Bucher J, Karz J, et al. Feasibility of Health Literacy Tools for Older Patients in the Emergency Department. *West J Emerg Med*. 2020 Aug 20;21(5):1270-1274. doi: 10.5811/westjem.2020.5.46594.
 6. Bucher J, Feldman D, Joseph J. Misriaged Advanced Life Support Patients in a Two-Tiered, Suburban Emergency Medical Services System. *WJEM*. Epub ahead of print 2020. Feb 24. DOI: 10.5811/westjem.2019.10.44385
 7. Bucher J, Mody B, Chin M, et al. Patient Motivation for Presenting to Emergency Department for Vaginal Bleeding in Early Pregnancy (VBEP). *Amer Journal of EM*. 2019 Nov 26. Abstract epub. DOI:<https://doi.org/10.1016/j.ajem.2019.10.011>
 8. Berman S, Bucher J, Koyfman A, et al. Emergent Complications of Rheumatoid Arthritis. *J Emerg Med*. 2018 Sep 22. pii: S0736-4679(18)30748-0. doi: 10.1016/j.jemermed.2018.07.030. [Epub ahead of print]
 9. Bucher J, Donovan C, McCoy J. EMS Providers do not use FOAM for Education. *Int J Emerg Med*. 2018 May 24;11(1):27. doi: 10.1186/s12245-018-0189-4.
 10. [Bucher JT](#), [Bryczkowski C](#), [Wei G](#), [Riggs RL](#), [Kotwal A](#), [Sumner B](#), [McCoy JV](#). Procedure rates performed by emergency medicine residents: a retrospective review. *Int J Emerg Med*. 2018 Feb 14;11(1):7. doi: 10.1186/s12245-018-0167-x.
 11. Bucher J, McCoy J, Donovan C, Patel S, Ohman-Strickland P, Dewan A. EMS Dispatches During Hurricanes Irene and Sandy in New Jersey. *Prehospital Emergency Care*. Epub Aug 2017 31:1-7.
 12. Bucher JT, Cooper JS. Bag Mask Ventilation (Bag Valve Mask, BVM). *StatPearls* [Internet]. 2017 Jun 14.
 13. Bucher J, Geib AJ. Spontaneous Renal Artery Dissection Presenting as an Aortic Dissection: A Case Report. *Journal of Medical Case Reports*. 2016. 10:367. Available at <http://rdcu.be/nONS>
 14. Shea JM, Wei GR, Donovan C, Bryckowski C, Chapleau W, Shah CN, Eisenstein R, Bucher J, Lacy C. "Medical Management at the Explosive Incident and Scene." *Ann Emerg Med* 69(1): S20-S28.
 15. Lacy C, Ballagh R, Donovan C, Bucher J. "Management of Explosive Incidents: Overview of the Project and Summary of Best Practices Consensus Statements of the Expert Panel." *Ann Emerg Med* 69(1): S1-S3.
 16. Donovan C, Bryczkowski C, McCoy J, Tichauer M, Eisenstein R, Bucher K, et al. "Organization and Operations Management at the Explosive Incident Scene." *Ann Emerg Med* 69(1): S10-S19.
 17. Bucher J, et al. "Future Developments in the Management of Explosive Incidents." *Ann Emerg Med* 69(1): S46-S51.
 18. Bucher J, Donovan C, Ohman-Strickland P, McCoy J. Hand Washing Practices

- Among Emergency Medical Services Providers. *West J of Emer Med*. 2015 Sep;16(5):727-35.
19. Bucher J, Koyfman A. What is the most effective treatment for herpes simplex keratitis? *Ann Emerg Med*. 2015. Epub available.
 20. Bucher JT, Koyfman A. Best Clinical Practice – Intubation of the Neurologically injured patient. *JEM*. 2015; Sept 23. Epub available at <http://dx.doi.org/10.1016/j.jemermed.2015.06.078>
 21. Bucher JT, Veysman B. Thanks for saving my patient. *JEM*. 2015 Aug;49(2):227-8.
 22. Bucher J, Merlin M, Dos Santos F, Frazier D. Rapid Extrication versus the Kendrick Extrication Device (KED): A Comparison of Techniques Used During Motor Vehicle Collisions. *Western Journal of Emergency Medicine*. 4/29/15.
 23. Bucher J, Koyfman A. Does Initiation of Therapeutic Hypothermia in the Out-of-Hospital Environment Improve Neurologic Outcomes? *Ann Emerg Med*. 2014 Nov 13
 24. Bucher JT, Veysman B. Go Team! *Academic Emergency Medicine*. 2014 July;21(7):831-832.
 25. Bucher JT, Calello D. A Fish Tale: Flushing and Pruritis after tuna ingestion. *Journal of Emergency Medicine*. 2013 Dec;45(6):909-11
 26. Bucher JT, Vu DM, Hojat M. Psychostimulant drug abuse and personality factors in medical students. *Medical Teacher*. Oct 26; 2012
 27. Bucher J. Does Your Patient Need a Trauma Center? Utilizing the CDC's Trauma Triage Guidelines in the Field. *EMS World*. 2011 Jul;40(7):55-8.
 28. Merlin MA, Bucher J, Corticans HP. U.S. Airways Flight 1549 Hudson River Crash: The New Jersey Experience. *American Journal of Disaster Medicine*. 2009;Jul-Aug;4(4):189-191.
- B. Peer Reviewed, Non Pub-Med Indexed Journal Articles**
1. Ehsani-Nia H, Bucher J. Foreign Body Hand Radiograph. *JETem* 2018. 3(2):V29-30. <https://doi.org/10.21980/J8W92H>
 2. Levin C, Zaritsky R, Maier P, Bucher J. Patient Transport in Times of Crisis. *JEMS*. March 10, 2021. <https://www.jems.com/coronavirus/patient-transport-in-times-of-crisis/>
- C. Books, Monographs and Chapters**
1. AORTIC DISSECTION (AD): CLINICAL CHARACTERISTICS, RISK FACTORS AND TREATMENT OPTIONS. MARY ROMETTI AND JOSHUA BUCHER. *Horizons in World Cardiovascular Research*. September 2020. <https://novapublishers.com/shop/horizons-in-world-cardiovascular-research-volume-20/>
 2. Bucher J, Westrol M. Prehospital Amputation. *Emergency Medicine Procedures by Reichman, E*. New York, 2017. McGraw-Hill Education. 3rd Edition. Chapter 95.
 3. Bucher J, Chinn M. *Emergency Medicine Services Fellowship*. EMRA Fellowship

Guide 2nd Edition. Dallas, TX: EMRA; 2018: Available at <https://www.emra.org/books/fellowship-guide-book/i-title/>

4. Bucher J. Part IV – I. How to Display Your Results. In: Geyer B, Goldberg E, eds. Emergency Medicine Research Handbook for Residents and Medical Students. 1st ed. Irving, TX: EMRA; 2012: 91 – 94.

D. Other Articles, Magazines, Blog Posts, #FOAM, Non-Peer Reviewed Publications

1. Prehospital Care Research Forum (PCRF) – PCRF is an EMS podcast focusing on reviewing research articles. I was selected to join the podcast in December 2018 to discuss our research paper on the use of FOAM in EMS for education.
2. Emergency Medicine Cast Podcast (ERCAST) – ERCast is a large peer reviewed emergency medicine podcast ran by Rob Orman.
 - a. Leadership – We recorded a 30 minute session on leadership topics which was published in August 2018.
 - b. COVID-19 Triage Tent – We recorded a 30 minute session on the use of the triage tent in March 2020.
3. Karz J, Bucher J. <http://www.emdocs.net/heart-failure-sneaky-triggers-and-clinical-pearls/> Heart Failure Triggers. Published on EMDocs.net 7/2018
4. Emergency Medicine Reviews and Perspectives (EMRAP) Podcast
 - a. EMRAP is a subscription podcast for over **30,000** emergency medicine providers including EMS, nursing, advanced practitioners, medical students, residents and attending physicians. Of all emergency medicine podcasts, it has the largest audience and is peer reviewed.
 - b. **High Performance CPR** – December 2016 – I reviewed, in a 15-minute interview, the pearls of high-performance CPR and its implementation.
 - c. **Ventricular Fibrillation** – February 2017 – I reviewed, in a 5-minute interview, the recent developments in treating refractory ventricular fibrillation.
 - d. **Intubating the Neurologic Injured Patient** – July 2017 – I performed a monologue on identifying key points on how to optimize airway management of neurologically injured patients.
 - e. **Introduction to Tactical EMS** - Summer 2017 - I discussed with Rob Orman what is Tactical EMS and how it applies to emergency medicine.
 - f. **Post Arrest Vasopressors** – May 2018 – I discussed the approach to post arrest vasopressor choice with Rob Orman and how to decide which one to use.
 - g. **Subtle Necrotizing Fasciitis** – May 2018 – I discussed with Rob Orman a case presentation of a patient with a subtle case of necrotizing fasciitis that could easily be missed.
 - h. **Blast Injuries** – August 2019 – I discussed with Anand Swaminathan a review of blast injuries and their pathophysiology.
 - i. **EBM Rant** – April 2020 – I discussed the lack of evidence for treatment of COVID.
 - j. **Triage Tent** – April 2020 – I discussed the use of a triage tent for COVID.

- k. **Termination of Resuscitative Efforts** – June 2020 – I discussed the termination of resuscitative efforts EMS protocol.
 - l. **Atrial Fibrillation Cardioversion Risks** – January 2023 – We discussed the management of AF with electrical cardioversion.
- 5. Berman S, Bucher J. Managing complications of rheumatoid arthritis. EMdocs.net. <http://www.emdocs.net/rheumatoid-arthritis-management-complications-ed/>.
- 6. Cuthbert D, Bucher J. Management of stab wounds. EMdocs.net. <http://www.emdocs.net/penetrating-wounds-emergency-department-considerations-management/>
- 7. Bucher J. Pearls for the management of gunshot wounds. EMdocs.net. <http://www.emdocs.net/pearls-management-gsw-associated-traumatic-injury/>. 9/2016.
- 8. Bucher J. The Young Cardiac Arrest Patient. EMdocs.net. <http://www.emdocs.net/the-young-cardiac-arrest-patient/> 8/2016.
- 9. Cuthbert D, Bucher J. Cellulitis Treatment Pearls. Emdocs.net. <http://www.emdocs.net/cellulitis-antibiotic-selection-management-updates/>
- 10. Bucher J, Joseph J. Cervical Collars for C Spine Trauma – The Facts. EMdocs.net. <http://www.emdocs.net/cervical-collars-for-c-spine-trauma-the-facts/>. 7/2016
- 11. Cuthbert D, Bucher J. Intubation Common Errors. Emdocs.net. 5/2016. <http://www.emdocs.net/difficult-airway-common-errors-intubation/>
- 12. Bucher J. Management of Hand Bleeding. Emdocs.net. 4/2016. Available at <http://www.emdocs.net/bleeding-hand-wounds/>.
- 13. Zaidi H, Bucher J. The EMS Handoff – A Critical Time for Critical Improvement. EM Resident Magazine. EMRA. February/March 2016.
- 14. Joseph J, Bucher JT. Pre-Hospital Management of Spinal Injuries: Debunking the Myths of the Long Backboard. Available at <http://www.emdocs.net/pre-hospital-management-of-spinal-injuries-debunking-the-myths-of-the-long-backboard/>. Published 2/2016.
- 15. Bucher JT. Highlights of Intubating the Neurologically Injured Patient. Available at <http://www.emdocs.net/neuro-intubation-highlights/>. Published 3/2015
- 16. ACEP Toxicology Antidote App for Android and iOS. Published February 2015. Sodium Bicarbonate Section.
- 17. Bucher JT. Asymptomatic Hypertension. Available at <http://www.emdocs.net/asymptomatic-hypertension/>. Published on 5/2/2014
- 18. Bucher JT. “Landmark Article Series: Pediatric Pearls.” EM Resident. January/February 2014. EMRA.
- 19. Bucher J. “The IRB Research – Tips on Getting Your Research off the Ground.” EM Resident. December 2014/January 2015. EM Resident.
- 20. Bucher JT, Zaidi HQ. “Brief History of Emergency Medical Services in the U.S.” EM Resident. June/July 2013, 40:3. EMRA
- 21. Ingalsbe G, Bucher JT, Goldberg E, et al. “Landmark Article Series: Managing Suspected DVT & PE.” EM Resident. June/July 2013, 40:3. EMRA
- 22. Bucher JT, Sumner B. “Cardio Cerebral Resuscitation – An Intern’s Perspective.” ACEP EMS Newsletter, Summer 2013
- 23. Bucher JT. “Landmark Articles Series: Managing Septic Shock.” EM Resident. June/July 2013, 39. EMRA

24. Bucher J, Mann N, Fertel B, Wexler B. "Landmark Articles Series: Managing Myocardial Ischemia." EM Resident. February/March 2013, 40:1. EMRA
25. Bucher JT, McCoy J. "Managing post cardiac arrest care in the ED." EM Resident. December/January 2013, 26-7.
26. Bucher JK, Zaidi H. EMS History – A Brief History of Emergency Medical Services in the United States. Published at <http://www.emra.org/Content.aspx?id=1439>
27. "Hofstra-North Shore/LIJ School of Medicine – An Emergency Medicine Oriented Medical School." ACEP EMS Section Newsletter. 2012
28. "Does This Patient Need To Go To A Trauma Center? The CDC 2009 Trauma Triage Guidelines." EMS World Magazine. 1 July 2011.
29. "Extended Scope of Practice for BLS Can Save Lives." ACEP EMS Section Newsletter. Summer 2011.
30. "Why EM Resident Programs Require EMS Rotations." ACEP EMS Section Newsletter. March 2011.
31. Bucher, J. "Why Your 3rd Year Surgery Rotation is Important For Students Interested in EM." EM Resident Magazine. 2010; Dec/Jan 2011 Issue
32. "Professionalism, Leadership and Volunteer EMS." ACEP EMS Section Newsletter. May 2010.
33. Bucher, J. "New CDC Triage Guidelines and the Emergency Physician." EM Resident Magazine. 2010; Jan/Feb Issue
34. Bucher, J. "Respect the EMS Role in Emergency Medical Care." EM Resident Magazine. 2009; June/July Issue

E. Other Publications

1. Statpearls.com – Provides free multiple choice questions and short review chapters for medical use and textbooks. I have authored six questions and three short chapters on status asthmaticus, beta blockers and bag valve mask ventilation.

PRESENTATIONS:

A. Scientific:

1. Characteristics of OHCA Survival and EMS Interaction During the COVID-19 Pandemic has been scheduled for RF53 Abstract Session: Disaster Medicine/EMS on Sunday, 10/2/2022 04:00 PM (Pacific Daylight Time) in Room 305/309. American College of Emergency Physicians Scientific Assembly. Presented 10/2/2022.
2. Bucher J, Bryzckowski C, Wei G, Riggs R, Kotwal A, Sumner B, McCoy J. Procedure Rates Performed by Emergency Medicine Residents: A Retrospective Review. 5 Minute Lightning Oral Presentation. Presented at SAEM Mid-Atlantic Regional Conference in Washington DC. 3/2017.
3. Bucher J, Bryzckowski C, Wei G, Riggs R, Kotwal A, Sumner B, McCoy J. Procedure Rates Performed by Emergency Medicine Residents: A Retrospective Review. Poster at NJ ACEP May 2016. Presented by McCoy J.
4. Bucher J, Patel S, Dewan A, Donovan C, Ohman-Stricklan P, McCoy J. EMS Dispatches During Hurricanes Irene and Sandy. Poster at NJ ACEP May 2016, Presented by McCoy J.

5. Bucher J. Patel S. Dewan A. Donovan C. Ohman-Stricklan P. McCoy J. EMS Dispatches During Hurricanes Irene and Sandy. Poster at SAEM May 2016, Presented by McCoy J.
6. Bucher J., MD, Donovan C., MD, Ohman-Strickland P., PhD, McCoy J., MD, Poster at NJ ACEP, Princeton, NJ, May 1, 2014, "Hand Washing Patterns Amongst EMS Providers."
7. Bucher J., MD, Balbin J, McCoy J., MD, Bryczkowski C., MD, Geria R., MD, Ohman-Strickland P., PhD. Poster at NJ ACEP, Princeton, NJ May 1, 2014. "Time to Acquire Cardiac Ultrasound Images in the Subxiphoid versus Parasternal Long Axis Window"
8. Bucher J., MD, McCoy J., MD, Donovan C., MD Bryczkowski C., MD, Geria R., MD, Poster at NJ ACEP, Princeton, NJ, May, 1 2014, "Feasibility of Paramedic Ultrasound in Out of Hospital Cardiac Arrest: a Pilot Study."
9. Bucher JT, Donovan C, McCoy JM. Hand Washing Practices Amongst EMS Providers. Poster presentation at ACEP 2013, October 15th

B. Professional within RWJ EM

1. Finances. Presented to RWJ EM Conference. September 2024.
2. Intern Bootcamp Ventilator Management. Presented to RWJ EM Interns. June 2024.
3. Intern EMS Medical Command. Presented to RWJ EM Interns. June 2024.
4. Blast Injuries. Presented at RWJ EM Conference. May 2024.
5. NJ EMS. Presented at RWJ EM Conference. January 2024.
6. History of EMS. Presented at RWJ EM Conference. January 2024.
7. EMS Myths. Presented at RWJ EM Conference. January 2024.
8. Overview of Finances. Presented at RWJ EM Conference. November 2023.
9. Ventilator Management. Presented at RWJ EM Conference. June 2023.
10. Medical Command Phone Calls. Presented at RWJ EM Conference. June 2023.
11. Ventilator Management. Presented at RWJ EM Conference. January 2023.
12. Undifferentiated Shock Small Group. Presented at RWJ EM Conference. January 2023.
13. Pulmonary Hypertension. Presented at RWJ EM Conference. January 2023.
14. Cardiac Arrest Management. Presented at RWJ EM Conference. July 2022.
15. Resus Bootcamp – Ventilators. Presented at RWJ EM Conference. June 2022.
16. Medical Command Phone Calls. Presented at RWJ EM Conference. June 2022.
17. Asthma/COPD. Presented at RWJ EM Conference. March 2022.
18. Intro to Finances. Presented at RWJ EM Conference. February 2022.
19. Neuro Intubation. Presented at RWJ EM Conference. February 2022.
20. History of EMS. Presented at RWJ EM Conference. February 2022.
21. Intro to NJ EMS. Presented at RWJ EM Conference. February 2022.
22. Back Pain. Presented at RWJ EM Conference. December 2021.
23. Viruses and Bioweapons. Presented at RWJ EM Conference. November 2021.
24. Status Epilepticus. Presented at RWJ EM Conference. September 2021.
25. Airway Management. Presented at RWJ EM Conference. August 2021.
26. Hemorrhage Small Group. Presented at RWJ EM Conference. August 2021.
27. Pulmonary Hypertension. Presented at RWJ EM Conference. August 2021.
28. Critical Care Jeopardy. Presented at RWJ EM Conference. August 2021.
29. Shock Small Group Cases. Presented at RWJ EM Conference. August 2021.
30. Hypertensive Emergencies. Presented at RWJ EM Conference. August 2021.
31. Cardiac Arrest. Presented at RWJ EM Conference. July 2021.
32. Arrythmia. Presented at RWJ EM Conference. July 2021.

33. EM Intern Boot Camp. Ventilator Management. June 2021.
34. EM Intern Boot Camp. Intro to EMS Medical Direction. June 2021.
35. MCI. Presented at RWJ EM Conference. April 2021.
36. Blast Injuries. Presented at RWJ EM Conference. April 2021.
37. First Attending vs. Attending Debate – Rocuronium vs. Succinylcholine for RSI. Presented to the RWJ EM Department. April 2021.
38. Airway Management. Presented at RWJ EM Conference. March 2021.
39. ENT Infections. Presented at RWJ EM Conference. March 2021.
40. Acute Kidney Injury. Presented at RWJ EM Conference November 2020.
41. Intro to Finances. Presented at RWJ EM Conference. October 2020.
42. Bioterrorism Small Group Cases. Presented at RWJ EM Conference. September 2020.
43. Asthma/COPD. Presented at RWJ EM Conference. August 2020.
44. Airway Management. Presented at RWJ EM Conference. August 2020.
45. Cardiac Arrest Management. Presented at RWJ EM Conference. July 2020.
46. Alumni Talk. Presented at RWJ EM Conference for Interns. June 2020.
47. Intubation and Airway Management. Presented at RWJ EM Conference for Interns. June 2020.
48. Hypertensive Emergencies. Presented at RWJ EM Conference for Interns. June 2020.
49. Ventilator Management. Presented at RWJ EM Conference for Interns. June 2020.
50. Shock Cases. Presented at RWJ EM Conference. June 2020.
51. Patient Assessment. Presented at RWJ EM Conference. June 2020.
52. Medical Command for NJ EMS. Presented at RWJ EM Conference for Interns. June 2020.
53. Intro to NJ EMS. Presented at RWJ EM Conference. May 2020.
54. Back Pain. Presented at RWJ EM Conference. April 2020.
55. Seizures/Status Epilepticus. Presented at RWJ EM Conference. March 2020.
56. OB Cases. Presented at RWJ EM Conference. February 2020.
57. Ventilator Management. . Presented at RWJ EM Conference. January 2020.
58. Asthma Management. Presented at RWJ EM Conference. January 2020.
59. MCI. Presented at RWJ EM Conference. November 2019.
60. Blast injuries. Presented at RWJ EM Conference. November 2019.
61. Toxidrome Small Group Cases. Presented at RWJ EM Conference. October 2019.
62. Cardiac Arrest for the Resuscitator. Presented at RWJ EM Conference. July 2019.
63. Dysrhythmia Management. Presented at RWJ EM Conference. July 2019.
64. Mock Oral Boards. RWJ EM Conference. June 2019.
65. ENT Infections. Presented at RWJ EM Conference. May 2019.
66. Intro to Finances and Investing. Presented at RWJ EM Conference. March 2019.
67. Arrhythmia Management. Presented at RWJ EM Conference. January 2019.
68. Cardiac Arrest Management. Presented at RWJ EM Conference. January 2019.
69. Blast Management. Presented at RWJ EM Conference. November 2018.
70. Pre-Hospital Hemostasis. Presented at RWJ EM Conference. November 2018.
71. Medic Call Review. Presented at RWJ EM Conference. November 2018.
72. MCI Management. Presented at RWJ EM Conference. November 2018.
73. Intro to NJ EMS. Presented at RWJ EM Conference. November 2018.
74. Low Back pain. Presented at RWJ EM Conference. October 2018.

75. OB Cases. Presented at RWJ EM Conference. September 2018.
76. Advanced Airway Management. Presented at RWJ EM Conference. August 2018.
77. Ventilator Management. Presented at RWJ EM Conference. August 2018.
78. Shock Cases. Presented at RWJ EM Conference. July 2018.
79. Hemorrhage Cases. Presented at RWJ EM Conference. July 2018.
80. Patient Assessment. Presented at RWJ EM Conference. July 2018.
81. Hypertensive Emergencies. Presented at RWJ EM Conference. July 2018.
82. Rashes to Die For. Presented at RWJ EM Conference. June 2018.
83. Hematology and Anticoagulation Review. Presented at RWJ EM Conference. May 2018.
84. Blast Injuries. Presented at RWJ EM Conference. March 2018.
85. Mass Casualty Incidents. Presented at RWJ EM Conference. March 2018.
86. Diverticulitis. Presented at RWJ EM Conference. February 2018.
87. GI Bleeding. Presented at RWJ EM Conference. February 2018.
88. Toxidromes. Presented at RWJ EM Conference. January 2018.
89. Thermia Jeopardy. Presented at RWJ EM Conference. December 2017.
90. CHF. Presented at RWJ EM Conference. November 2017.
91. Cardiogenic Shock. Presented at RWJ EM Conference. November 2017.
92. The Line. Presented at RWJ EM Conference. November 2017.
93. Approach to Hypertension. Presented at RWJ EM Conference. November 2017.
94. Ventilator Management. Presented at RWJ EM Conference. November 2017.
95. Airway Obstruction Small Group. Presented at RWJ EM Conference October 2017.
96. Warfare Agents. Presented at RWJ EM Conference September 2017.
97. Introduction to Statistics. Presented at UCC Paramedic Course September 2017.
98. Introduction to Research and EBM. Presented at UCC Paramedic Course September 2017.
99. Cardiac Arrest Management. Presented at UCC Paramedic Course September 2017.
100. EKG Session. Presented at RWJ EM Residency Conference August 2017.
101. Acute and Chronic Renal Failure Cases. Presented at RWJ EM Residency Conference August 2017.
102. Renal Jeopardy. Presented at RWJ EM Residency Conference August 2017.
103. Electrolytes. Presented at RWJ EM Residency Conference July 2017.
104. Intro to Tactical Medicine Didactic Session. Presented at RWJ EM Residency Conference. June 2017.
105. NJ EMS Overview. Presented at RWJ EM Residency Conference. June 2017.
106. Fast Track Complaints and How to Treat Them. Presented at RWJ EM Residency Conference. June 2017.
107. Annual Resident Cadaver Lab. RWJ EM Residency Conference. May 2017.
108. Proctor – Thoracic/Respiratory Questions. Presented at RWJEM Resident Conference 4/2017.
109. Hypertensive Emergencies – Flipped Classroom. Presented at RWJ EM Resident Conference 3/2017.
110. Small Group Cases – Hemorrhagic Shock. Presented at RWJ EM Resident Conference 3/2017.
111. Critical care jeopardy. Presented at RWJ EM Resident Conference 3/2017.

112. Ventilator Management. Presented at RWJ EM Resident Conference 3/2017.
113. Small Group Cases – Shock. Presented at RWJ EM Resident Conference 3/2017.
114. Patient Assessment, ABCs, Decision Making. Presented at RWJ EM Resident Conference 3/2017.
115. Hypersensitivity Reactions. Presented at RWJ EM Resident Conference 12/2016.
116. Procedural Sedation in the Emergency Department. Presented at RWJ EM Resident Conference. 11/2016.
117. Extremity Soft-Tissue Trauma. Presented at RWJ EM Resident Conference 10/2016.
118. Blunt Torso Trauma. Presented at RWJ EM Resident Conference 9/2016.
119. Penetrating Torso Trauma. Presented at RWJ EM Resident Conference 9/2016.
120. EKG Session. Presented at RWJ EM Resident Conference 8/2016.
121. Cardiac Arrest for the Resuscitator – the 2016 updates. Presented at RWJ EM Resident Conference 8/2016.
122. Management of Arrhythmias. Presented at RWJ EM Resident Conference 8/2016.
123. Diverticulitis. Presented at RWJ EM Resident Conference 7/2016.
124. “Master the Hemocult.” Managing GI Bleeding. Presented at RWJ EM Resident Conference 7/2016.
125. Thermia Jeopardy. Presented at RWJ EM Resident Conference 5/2016.
126. Drowning. Presented at RWJ EM Resident Conference 5/2016.
127. Electrolyte Disorders – Flipped Classroom. Presented at RWJEM Resident Conference in 3/2016.
128. Rashes to Die For. Presented at RWJEM Resident Conference in 2/2016.
129. I Care, You Care, We all Care for Wound Care. Presented at RWJEM Resident Conference in 2/2016.
130. Beyond ACLS. Cardiac Arrest Management for the Resuscitator. Presented at RWJEM Resident Conference. 3/2015.
131. Identification and Management of VT. Presented at RWJEM Resident Conference in 2/2015.
132. Cardiogenic Shock. Presented at RWJ EM Resident Conference in 9/2014.
133. IV Contrast Myths. Presented at RWJ EM Resident Conference in 8/2014.
134. EKG Reviews. Presented at RWJ EM Resident Conference in 7/2014, 8/2014, 1/2015, 6/2015, 7/2016.
135. Basic and Advanced Airway Management. Presented at RWJ EM Resident Conference in 7/2014
136. Cardiac Arrest and Post Arrest Management. Presented at RWJ EM Resident Conference on 11/2013.
137. Seroquel Overdose. Presented at RWJ EM Resident Conference on 8/2013.
138. Bradycardia. Presented at RWJ EM Resident Conference on 1/2013.

C. Professional (clinical) outside of RWJ EM:

1. Intro to EM. Presented to Rutgers University- New Brunswick – Alpha Epsilon Delta Honor Society. April 2022.

2. MCI Management. Presented to RWJMS Trauma, Emergency, and Disaster Response Non-Credit Elective. March 2022.
3. Ventilators. Presented to RWJMS EM Bootcamp. February 2022.
4. Airway Management. Presented to the Morris County Paramedic Course. December 2021.
5. EMS Myths. Presented to the Morris County Paramedic Course. December 2021.
6. EBM – Stats. Presented to the Morris County Paramedic Course. December 2021.
7. EBM – Research. Presented to the Morris County Paramedic Course. December 2021.
8. MS I Jigsaw Journal Club. Presented to the MSI Class of RWJMS. May 2021.
9. Heat Related Illness. Presented to FBI NY Office. May 2021.
10. Paramedic Course Practical Exam. RWJ-Barnabas Paramedic Course. May 2021.
11. Intro to EM and Medical School. Presented to Rutgers Alpha Epsilon Delta Pre-Med Honor Society. May 2021.
12. Ventilator Management. March 2021. Presented to RWJMS MSIV EM Bootcamp.
13. EM Clerkship Case Based Learning Session. November 2020.
14. Special Considerations in Trauma. Presented at RWJ-MHS Paramedic Course November 2020.
15. Medical Student Jigsaw Evidence Based Medicine Session. August 2020
16. ALS & BLS Competencies. September 2020
17. Cardiac Arrest Management. Presented via Web Conference for UCC Paramedic Course. April 2020.
18. EKG Review. Presented via Web Conference for UCC Paramedic Course. April 2020.
19. EKG Review. Presented via Web Conference for RWJ-Barnabas MHS. March 2020.
20. Ventilator Management. Presented to RWJMS MSIV Bootcamp. March 2020.
21. EKG Review. Presented via Web Conference for RWJ-Barnabas MHS. February 2020
22. Cadaver Lab. Union County Paramedic Course. February 2020.
23. EKG Review. Presented via Web Conference for RWJ-Barnabas MHS. January 2020.
24. EKG Review. Presented via Web Conference for RWJ-Barnabas MHS. December 2019.
25. Intro to Emergency Medicine. Presented to the AED Pre-Med Honor Society @ Rutgers University. November 2019.
26. EKG Review. Presented via Web Conference for RWJ-Barnabas MHS. November 2019.
27. EKG Review. Presented at Union County College Paramedic Course. October 2019.
28. Asthma. Presented at Union County College Paramedic Course. October 2019.
29. Anaphylaxis. Presented at Union County College Paramedic Course. October 2019.
30. Airway Management. Presented at Union County College Paramedic Course. October 2019.
31. Cardiac Arrest Management. Presented at Union County College Paramedic Course. October 2019.
32. Stats for EMS. Presented at Union County College Paramedic Course. April 2019.
33. Research for EMS. Presented at Union County College Paramedic Course. April 2019.
34. EKG Session. Presented at Union County College Paramedic Course. April 2019.
35. Cadaver Lab for UCC Paramedic Course. April 2019.
36. Intro to Emergency Medicine. Presented at Rutgers University Busch Student Center for pre-medical students at the AED Honor Society. March 2019.
37. EM Bootcamp CCS Session. January 2019.

38. EM Bootcamp Skills Session. January 2019.
39. Ventilator Management. Presented at RWJMS EM Bootcamp. January 2019.
40. EKG Session. Presented at Union County College Paramedic Course. December 2018.
41. Pronouncement, DNR, Delivering Bad News. Presented at Union County College Paramedic Course. December 2018.
42. Stats for EMS. Presented at Union County College Paramedic Course. December 2018.
43. Research for EMS. Presented at Union County College Paramedic Course. December 2018.
44. Medical Student Jigsaw Evidence Based Medicine Session. August 2018.
45. EMS Competencies. Presented for RWJ-MHS. October/November 2018.
46. ECMO for EMS. Presented to EMS Week at RWJ Hamilton. May 2018.
47. Interaction of EMS and EM. Presented to RWJMS Emergency Medicine Interest Group. May 2018.
48. Union County College Paramedic Course Cadaver Lab. May 2018.
49. Intubation of the Neurologically Injured Patient. Presented at Union County College Paramedic Course. April 2018.
50. Advanced Airway Management. Presented at Union County College Paramedic Course. April 2018.
51. Tactical EMS Shmorgasboard. Presented at Somerset County Emergency Response Team Drill. April 2018.
52. Intubation of the Neurologically Injured Patient. Presented at Hackensack University Medical Center Emergency Medicine Residency Program. April 2018.
53. Introduction to Ventilator Education. Presented to the RWJMS 4th Year EM/Surgery Boot Camp. February 2018.
54. Anaphylaxis for EMS. Presented at UCC Paramedic Course November 2017.
55. Asthma. Presented at UCC Paramedic Course November 2017.
56. Blast Injuries. Presented at UCC Paramedic Course November 2017.
57. CHF. Presented at UCC Paramedic Course November 2017.
58. Cardiogenic Shock. Presented at UCC Paramedic Course November 2017.
59. Drowning. Presented at UCC Paramedic Course November 2017.
60. Arrhythmias. Presented at UCC Paramedic Course November 2017.
61. Approach to Altered Mental Status. Presented at RWJ-MHS Paramedic Refresher. 11/2017.
62. Anaphylaxis and Allergies. Presented at RWJ-MHS Paramedic Refresher. 11/2017.
63. OB Emergencies and Coagulopathy. Presented at RWJ-MHS Paramedic Refresher. 11/2017.
64. Atlantic Health Paramedic Course. Cadaver Lab. Given May 2017.
65. Atlantic Health Paramedic Course. Advanced Respiratory and Pulmonary Lectures. Given May 2017.
66. Basic and Advanced Airway Management. Union County Paramedic Course May 2017.
67. EMS Week – Approach to Blast Injuries. Given at RWJ-MHS EMS Week Educational Offering. May 2017.
68. Advanced Pulmonary Physiology and Ventilator Management. Presented to Union County College Paramedic Class 5/2017.
69. Basic and Advanced Airway Management. Union County Paramedic Course May

- 2017.
70. Advanced Pulmonary Physiology and Ventilator Management. Presented to Union County College Paramedic Class 2/2016.
 71. Cadaver Lab. Union County Paramedic Class. May 2017.
 72. Intubation of the Neurologically Injured Patient. Presented at Atlantic Health EMS Symposium 12/2016.
 73. MSIII Cardiac Arrest Simulation Session. RWJMS. June 2016.
 74. NJ EMS Ambulances, Regulations and Guidelines. Presented at Morristown Memorial Hospital Resident Conference 6/2016.
 75. Cadaver Lab. Union County Paramedic Class. May 2017.
 76. Spinal Motion Restriction – The Surgeon’s View. Presented at RWJ Surgery Residency 4/2016.
 77. Advanced EKG Interpretation. Presented at Union County College Paramedic Class. 4/2016.
 78. Simulation Case – Smoke Inhalation, CO, CN. Presented at Morristown EM Residency Conference in 4/2016.
 79. Basic and Advanced Airway Management. Morristown EM Residency 4/2016, Union County Paramedic Course May 2017.
 80. Mastering the K-Hole. Presented at Morristown EM Residency Conference in 3/2016.
 81. Basic Review of Hematology. Presented at RWJ EMS Paramedic Refresher on 3/2016.
 82. “OB and GYN Emergencies.” Presented to Atlantic Health Paramedic Refresher. 3/2016.
 83. EMS Shmorgasboard. Presented at RWJEMS Paramedic Transition, 3/2016.
 84. Advanced Pulmonary Physiology and Ventilator Management. Presented to Union County College Paramedic Class 2/2016.
 85. “Research and Statistics Highlights” Presented to Union County College Paramedic Class 1/2016.
 86. “Anaphylaxis.” Presented to Bergen County College Paramedic Refresher. 11/2015
 87. “OB and GYN Emergencies.” Presented to Atlantic Health Paramedic Refresher. 11/2015.
 88. “Introduction to Cardiology.” Presented to Union County College Paramedic Class 10/2015.
 89. Basic Review of Hematology. Presented at RWJ EMS Paramedic Refresher on 10/2015.
 90. Beyond ACLS. Cardiac Arrest Management for the Resuscitator. Presented at Morristown Memorial Hospital EM Residency Conference 10/2015.
 91. “The Chief Resident as a Manager and Teacher.” Presented to RWJMS Upcoming Chief Summit. 5/2015
 92. “Pre-Hospital Hemostasis.” Presented at RWJUH EMS Week. 5/2015.
 93. Cardiac Arrest Management for Internal Medicine Residents – Interactive Session. 3/2015.
 94. Basic Review of Hematology. Presented at RWJ EMS Paramedic Refresher on 3/2015.
 95. Basic and Advanced Airway Management. Atlantic Health Paramedic Refresher Fall 2015.
 96. Basic and Advanced Airway Management. Presented at Union County Paramedic Course Fall 2015.

97. Basic Review of Hematology. Presented at RWJ EMS Paramedic Refresher on 10/2014.
98. "Kayexalate is a load of crap. Pun Intended." Presented at NJANSER Conference - at NJMS on 3/5/2014.
99. Basic Review of Hematology. Presented at RWJ EMS Paramedic Refresher on 2/27/2014.

D. Grand Rounds

1. TPA for Stroke – What Does the Data Really Say? Presented at RWJ Rahway Grand Rounds. 12/16/20.
2. Intubation of the Neurologically Injured Patient. Presented at RWJ Emergency Medicine Residency 1/11/17.
3. Intubation of the Neurologically Injured Patient. Presented at Cooper University Hospital Emergency Medicine Residency 10/20/16.

E. State/Regional/National/International Presentations

1. Intubation of the Neurologically Injured Patient. Presented to All NJ EM Residency Joint Conference. March 2023.
2. AAEM Young Physician Section Advocacy Session. Presented via Zoom to AAEM Chapters/Divisions. January 2021.
3. AAEM Workforce Committee Advocacy Session. Presented via Zoom to AAEM Chapters/Divisions. December 2021.
4. Mistriged Patients from ALS to BLS. Presented at the National Conference of EMS. 11/2021.
5. Advanced EKG Interpretation. Presented at the National Conference of EMS. 11/2021.
6. EMS Myths. Presented to the All NJ EM Residency Joint Conference. 3/31/21
7. The EMS Response to COVID in NJ. Presented (pre-recorded virtually) at the 23rd Annual Congress of the Chinese Society of Emergency Medicine. Chinese Medical Association. December 2020.
8. The 10-80-10 Principle. Presented at CORD Academic Assembly 2018 in San Antonio, Texas. April 2018.
9. CPC Competition at CORD EM. Metformin Associated Lactic Acidosis. Presented at CORD Academic Assembly 2017 in Fort Lauderdale, FL. Presented on 4/2017.
10. Intubation of the Neurologically Injured Patient. Presented at NJ EMS Conference. 11/2017.

NEWS MEDIA:

1. Doctor offers clarity on physical therapy. Joshua Bucher. March 10, 2020.
<https://centraljersey.com/2020/03/10/doctor-letter-to-the-editor/>

SOCIAL MEDIA:

OTHER ACADEMIC PROJECTS

EMS Question Bank – I contributed 50 questions to the EMS Subspecialty Exam practice question bank hosted by SUNY Buffalo. <https://ubmdems.com/emsgbank/>

Core Content of Family Medicine – I am an author for the core content of family medicine, where I write questions with a several paragraph explanation for the core concepts. All questions require citations of guidelines and primary literature.

McMaster Online Rating of Evidence – MORE – McMaster University has a peer reviewed, evidence based platform for reviews on the quality of EBM articles. I review articles and rate their quality for the database.

Intubation Checklist – December 2020 – I created an intubation checklist for the emergency department.

JOURNAL REVIEWER:

CPC-EM – June 2023 - Present

Western Journal of Emergency Medicine – April 2017 – June 2023

JETem – May 2017 – Present

BMJ Case Reviews – July 2018 – Present

Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine – May 2019 - Present

Prehospital Emergency Care - December 2019 – Present

Journal of American College of Health – March 2020 – Present

Journal of Health Sciences and Medical Research – April 2020 - Present

MEDICAL STUDENT CLERKSHIPS:

EMS Clerkship – EMED9016 – 5/2017 – 8/2024 The EMS Medical Student clerkship was approved on 5/2017. I served as the clerkship director. It serves as a basic introduction to EMS including clinical, operational, logistic, education and administrative opportunities. Students spend time with me during an introduction to the rotation, then subsequently attend multiple ride-alongs with EMS providers, supervisors and time in dispatch. They also attend our monthly clinical leadership meeting. They have several reading materials, take an online exam and create educational materials that we use for our agency. I transitioned the clerkship to Dr Daniel Rice.

RWJMS EMED Rotation – The required medical student rotation runs year-round, and

we work with medical students performing bedside teaching during clinical shifts.

PCM 1 & 2 – 2016 – 2020. I precept students in patient centered medicine performing history and physical exams in the emergency department.

MEDICAL STUDENT RESEARCH PROGRAMS:

RWJMS Summer Student Research Training Program – This research program allows an undergraduate medical student perform research of independent design or of an existing study throughout their summer between their first and second years.

Summer 2017 – Akaash Mittal – Akaash worked on a study involving pre-hospital triage of patients from ALS to BLS and were admitted to an intensive care unit.

Summer 2018 – Matthew McGuinness – Matthew and I worked on a survey study investigating the health literacy of patients in the emergency department. The paper has been accepted for publication in WJEM entitled, Feasibility of Health Literacy Tools for Older Patients in the Emergency Department.

Summer 2021 – Mentored Jen Gellar on the quiet study.

RESIDENCY ROTATIONS:

EMS Rotation – I designed the required resident EMS rotation to include BLS and ALS ride-alongs, observation in the county dispatch center, a lecture requirement and a quality improvement project requirement for all residents. Residents also must attend one quarterly paramedic training session. Residents are responsible to create educational material for online learning, take several tests and quizzes related to the practice of EMS and have a longitudinal curriculum over the three years of residency. SAKAI was used as the residency rotation resource and is now being transitioned to Google Classroom.

CURRICULUM DEVELOPMENT:

RWJBH Mobile Health Paramedic Program – Associate Medical Director – Fall 2020

EMS EKG Education – December 2019 - I started monthly videocasting live, interactive EKG reviews for RWJ-Barnabas EMS employees as well as open to the public.

EMS Video Lecture Series – I have been recording lectures for EMS using video recording of PowerPoint presentations for the following topics:

1. Ventilator Use
2. CPAP for BLS
3. RSI
4. Medical Control
5. Aspirin use for BLS
6. Trauma Tiered Response RWJUH 2020
7. Post Cardiac Arrest Management for EMS – Recorded for the NJAPP Paramedic

Refresher Jan 2021.

Didactic Block Coordinator – EMS, Critical Care (1 month each) I work with the chief resident responsible for making the schedule and present several lectures/coordinate several small group sessions on the pertinent topics for each block. The focus on small group learning and flipped classroom is utilized for most of the critical care topics. Interactive lectures, large group discussions have replaced traditional lecture.

Annual EKG Curriculum – 2016 – 2018 - Bi-monthly, I distributed an EKG to the RWJMS EM Residency class for review and feedback. This exercise helps improve the residents' EKG interpretation skills and the ability to systematically interpret a difficult EKG.

Professionalism and Leadership – I designed a short introduction to leadership topics that was delivered to both the residency program and the faculty.

1. Overview of Leadership. Presented at RWJ EM Residency Conference July 2017 and at EM Department Meeting July 2017.
2. What is Culture? Presented at RWJ EM Residency Conference August 2017 and at EM Department Meeting August 2017.
3. What is The Line? Presented at RWJ EM Residency Conference November 2017.

SAKAI/Google Classroom – Sakai is Rutgers' current online blackboard system. I have designed two separate SAKAI sites for the EMS Medical Student clerkship and the EMS Residency Rotation. Both of these sites include the entire curriculum, documents, quizzes, resources and objectives of the rotations. This has been migrated into Google Classroom.

Union County Paramedic Course 2015 – 2021 – I coordinated and ran the UCC Paramedic Course Cadaver Lab, as well as teach sessions on research, statistics and critical care for each year. I am part of the faculty.

EM MSIV Lecture Series – Laryssa Patti, the clerkship directed has started using pre-recorded lectures followed by flipped classroom learning for the MSIV EM students on their clerkship on core topics. I recorded several lectures.

- EKG Interpretation
- Chest Pain
- Back Pain

Associate EMS Medical Director, RWJ Barnabas Mobile Health Service Paramedic Course 2020 - Present

PRECEPTORSHIP:

Vanderbilt University School of Medicine – I precepted Rachel Schiffman, a nurse practitioner student, for her emergency medicine rotation from May – August 2019.

MENTORING AND ADVISING:

Faculty Advising for residents – **I participate in quarterly advising meetings for assigned residents.**

Rutgers Connection Network – Peer Mentoring Program – I enrolled in the RCN program in October 2017, a year long, structured program designed to expose you to a mentor/mentee relationship or a co-mentee relationship. It includes monthly meetings, check ins with established mentors, writing workshops and several other events. I have been paired with Stephanie Bonne, an assistant professor in the department of surgery division of trauma at NJMS.

Dan Idahosa – I have been assigned as a faculty advisor for Dan in 2022.

Chelsea Bunce – I have been assigned as a faculty advisor for Chelsea in 2021.

Dan Levin – I have been assigned as faculty advisor for Dan in 2020.

Beatrice Capucchia – I have been assigned as faculty advisor for Beatrice in 2019.

Greg Kapricinski – I have been assigned as faculty advisor for Greg in 2018.

James Karz – I have been assigned as a faculty advisor for James Karz, an intern in our program, in Fall 2017.

Guillermo Ortega – I have been assigned as a faculty advisor for Guillermo as of July 2017, a struggling senior resident in our program. He has had several personal issues during residency which have affected his performance.

Sam Berman – I mentored Sam, a former co-chief resident of my program and a current clinical instructor at Rush in Chicago. I had mentored her since 2/2017 in pursuing a career in academics.

Darren Cuthbert – Faculty Advisor – I had been Darren’s faculty advisor since 8/2016. I help advise him with professional topics related to his emergency medicine education and progress.

Li Jia – I had been a mentor for Li Jia since 8/2015. Li was a senior resident at Morristown Medical Center who had to repeat a year of residency due to academic difficulties. Li is a very bright individual with a Ph.D. outside of the medical field prior to starting his medical career. I helped Li gain confidence in his ability to resuscitate critically ill patients. He works in a community hospital in rural Kansas where the remainder of his family resides.

Patrick Rogers – I had mentored Patrick Rogers, a former co-chief resident of my program. I have mentored him since 7/2016 in developing his career path. He currently works at a community hospital in central New Jersey.

Jennifer Geller – I mentored Jen Geller in research in emergency medicine leading to a publication.

RESIDENCY INTERVIEWS:

I have been involved in residency interviews since 2016.

HOBBIES:

I run a tailgating Instagram profile dedicated to Rutgers Football and Athletics Tailgating. We own a Rutgers themed RV and never miss a game! @RUKnightRider