

NICHOLAS J MUSISCA, MD, MA FACEP

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Department of Emergency Medicine
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POSTGRADUATE TRAINING

Residency 2011 – 2015	Emergency Medicine Barnes-Jewish Hospital at Washington University in St. Louis St. Louis, MO
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EDUCATION

2007 – 2011	Doctor of Medicine Wake Forest School of Medicine Wake Forest Baptist Medical Center Winston-Salem, NC
2002 – 2004	Master of Arts - Psychology The College of William & Mary Williamsburg, VA
1997 – 2001	Bachelor of Arts - Psychology Wake Forest University Winston-Salem, NC

ACADEMIC APPOINTMENTS

Sept 2016 – present	Assistant Professor, Clinical Educator, Department of Emergency Medicine, Alpert Medical School, Brown University
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HOSPITAL APPOINTMENTS

June 2018 - present	Assistant Program Director, Department of Emergency Medicine, Brown University, Providence, Rhode Island
Sept 2016 – present	Attending Physician, Department of Emergency Medicine, The Miriam Hospital, Providence, RI
Sept 2016 – present	Attending Physician, Department of Emergency Medicine, Rhode Island Hospital, Providence, RI
Mar 2016 - Aug 2016	Quality Director, Morton Hospital, Taunton, MA
July 2015 – Sept 2016	Attending Physician, Morton Hospital, Taunton, MA
July 2014 – July 2015	Chief Resident, Division of Emergency Medicine, Washington University in St. Louis, St. Louis, MO

OTHER ADVANCED DEGREES/PROFESSIONAL DEVELOPMENT

2021	Medical Education Research Certificate (MERC) Scholars Program
2019 – 2020	ACEP/CORD Teaching Fellowship

2016 – 2021	CITI Annual Large Animal Training Curriculum
2016	CITI Certification - Working with the IACUC Course

POSTGRADUATE AWARDS AND HONORS

2018	<i>Brown Emergency Medicine</i> Innovations in Education Award
2018	iCARE Award, The Miriam Hospital
2017	Rising Star Award
2016	Dean’s Excellence in Teaching Award Small Group Doctoring

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

2016 – present	Rhode Island Medical License
2015 – 2016	Massachusetts Medical License
2016 – 2026	Diplomate of the American Board of Emergency Medicine
2013 – 2016	PALS instructor
2013 – 2015	ATLS instructor

HOSPITAL COMMITTEES

2020 – present	<i>Brown Emergency Medicine</i> Graduate Medical Education Committee, Alternate Representative
2018 – present	Residency Recruitment Committee
2017 – present	Education Committee
2017 – present	Clinical Competency Committee
2017 – present	Emergency Digital Health Innovation Committee
Mar 2016 – Aug 2016	<i>Morton Hospital</i> Peer Review Comm, Morton Hospital

MEMBERSHIP IN SOCIETIES

2015 – present	ACEP, Member
2017 – present	Disaster Medicine Section Member
2016 – present	Wilderness Medicine Section Member
2011 – 2015	EMRA, Resident Member
2016 – present	CORD, Member
2019, 2020	CPC Judge
2018 – 2020	Navigating Academic Waters - Track Member
2022	Navigating Academic Waters - Junior Track Chair
2015 – present	SAEM, Member
2019	Program Committee
2019	Social Media Committee

2015 AMA, Member

2011 – 2015
2012 – 2014
2012 – 2013
2013 – 2014
2013 – 2014

AAEM/RSA
Resident Representative, VP Council Member
Advocacy Committee Member
Recruitment Committee Member
Education Committee Member

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

Musisca NJ (2021). "Disaster Response in the United States" in the 3rd edition of Ciottone's Disaster Medicine (submitted).

Musisca NJ, Rybasack-Smith H, Musits A, Petrone G, Wightman R, Smith JL, Brown LL, Fogle JL. (2022). Multiple Hospital In-Situ Mass Casualty Incident Training Simulation for Emergency Medicine Residents: A Sarin Bomb Scenario, Prehospital and Disaster Medicine (submitted).

Gomes T, **Musisca** NJ. (2021). A Young Man with Herpes Zoster Meningitis, R I Med J, Mar 1; 104(2): 67-70.

Zimmerman B, Chason H, Schick A, Asselin N, Lindquist D, **Musisca** NJ. (2020). Assessment of the Thyromental Height Test as an Effective Airway Evaluation Tool, Annals of Emergency Medicine, Mar 1; 77(3), p305-314.

Musits A, Wing R, Simoes M, Style M, Petrone G, **Musisca** NJ, Brown L. (2020). Interdepartmental Collaboration for Simulation-based Education: Obstetric Emergencies for Emergency Medicine. R I Med J, May 1;103(4):42-45.

Boardman TJ, **Musisca** NJ. (2019). Recurrent Appendicitis Caused by a Retained Appendiceal Tip: A Case Report, J Emerg Med, Aug 57(2), 232-234.

Musisca NJ, VanDusen H, Mierjeski A, Binder W. (2018). Babesiosis and Lyme Disease in a 68-year-old man. RIMedJ, 101(6): 31-33.

Cohen P, **Musisca** NJ, Binder, W. (2018). A 57-year-old man with a spontaneous carotid artery dissection. RIMedJ, 101(2): 45-48.

Binder W, Cohen P, **Musisca** NJ, Sullivan F. (2017) A woman with a necrotizing soft tissue infection. RIMedJ, 100(12): 29-31.

Woolfrey, KM, **Musisca** NJ, Hunt PS, & Burk JA. (2005). Early Postnatal Ethanol Administration Does Not Affect Prepulse Inhibition in Rats. Physiology & Behavior Physiology & Behavior, 84, 747-752.

Wayne JH, **Musisca** NJ, & Fleeson WW. (2003). Considering the Role of Personality in the Work Family Experience: Relationships of the Big Five to Work-Family Conflict and Facilitation, Journal of Vocational Behavior, 64, 108–130.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

Knopov A, Matson A, **Musisca**, NJ (2022). Procedure Video: Ankle Arthrocentesis, The Educational Blog of the Brown Emergency Medicine Residency.

Ali F, **Musisca** NJ (2021). Procedure Video: Hematoma Block, The Educational Blog of the Brown Emergency Medicine Residency.

Matson A, **Musisca** NJ (2020). Procedure Video: Paronychia Drainage, The Educational Blog of the Brown Emergency Medicine Residency.

Wong K, **Musisca** NJ (2018). Procedure Video: Nailbed laceration Repair, The Educational Blog of the Brown Emergency Medicine Residency.

Musisca NJ (2017). Sex and heart failure, Did You Know? Sex and Gender in Emergency Medicine - SAEM Pulse Newsletter.

Cohen P, **Musisca** NJ (2017). How do we misdiagnose and mismanage necrotizing fasciitis?, EmDocs. Available at: emdocs.net.

OTHER

Question Writer, Thieme. (2019). Created 10 questions for Step question digital bank for honorarium.

PRESENTATIONS

Local Presentations

Warren Alpert Medical School

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|--------------------|---|
| 2017 – 2020 | Altitude Sickness, Preclinical Wilderness Medicine Elective, 25 students. |
| 2017 – 2021 | Potent Potables: Water purification. Brown Medical School Wilderness Medicine Elective, 8-20 students. |
| April, 2017 – 2019 | Onsite simulation contributor, Brown Medical School Wilderness Elective, 8 students. |
| | <i>Brown Emergency Medicine Residency</i> |
| 2022 | Mass Casualty Simulation – Maritime Disasters, On site simulation training Rhode Island Hospital & The Miriam Hospital
30 participants |
| 2022 | Teaching to Teach, Weekly Resident Teaching Conference, 8 participants |
| 2022 | CV Pitfalls and Pearls: How to shine on paper like you do in person, Weekly resident teaching conference, 8 participants |
| 2022 | Transvenous Pacemaker Procedure Station, Resident Simulation Conference Day, 16 participants. |
| 2021, 2022 | The Keys to Guarantee Success On Your Oral Boards, Weekly resident teaching conference, 30 participants |
| 2020 | Mass Casualty Simulation – Burns and Smoke Inhalation, Simulation Center based hybrid virtual & in person simulation |

	30 participants
2019	Mass Casualty Simulation – Organophosphate Poisoning, On site simulation training Rhode Island Hospital & The Miriam Hospital 30 participants
2017	Acute Heart Failure. Weekly resident teaching conference, Department of Emergency Medicine, Alpert Medical School of Brown University 50 participants
2017	Climbing Trauma Station. WildMed adventure race, Department of Emergency Medicine, Alpert Medical School of Brown University 30 participants <i>Washington University in St. Louis – Resident Didactics</i>
2015	Grand Rounds – Emergency Medicine & The Legal System
2015	Grand Rounds – The Incidence of Hypoglycemia with Acute Stabilization of Hyperkalemia with Insulin
2015	Trauma Case Conference – Burns
2014	Trauma Case Conference – Blunt Pelvic Injury
2014	Thoracolumbar Radiology – Co-presenter
2013	Pediatric Interesting Case - Nicotine Intoxication
2013	Followup conference case presentation – Intraperitoneal perforation from PUD
2012	Approach to Back Pain in the Emergency Room
2012	Blood Pressure Control in tPA Candidates for Acute Stroke <i>Regional Presentations</i>
2022	Mental Rehearsal and Other Techniques to Execute Procedures, Flawlessly, Washington University in St Louis Alumni Conference Day, St. Louis, MO, 70 participants
2019	Critical Skills Procedure Course RIACEP Fall Education & Membership Meeting Providence, RI, 20 participants
2018 – 2019	Invited wilderness skills and simulation instructor, "Wilderness, Disasters, and Global Health: Emergency Medicine in Limited Resource Environments", a weekly fall seminar at the Frank H. Netter MD School of Medicine at Quinnipiac University, 20 participants
2016	Approach to the Difficulty Airway, Lecture and Cadaveric Pig Cricothyrotomy Simulation for Paramedics in Southern Massachusetts, 15 participants <i>National Presentations</i>
2022	Be Your Own iMovie Producer, CORD Academic Assembly, San Diego, CA, 15 participants
2022	iMovie Producers Workshop, CORD Academic Assembly, San Diego, CA, 12 participants

2021	Diversity in Medicine Virtual Residency Fair Assistant Program Director Introduction to Emergency Medicine Residency	
2020	Onsite Mass Casualty Disaster Drills, ACEP/CORD Teaching Fellowship Presentation, 40 participants	
2018	CPC Competition Faculty Discussant – CORD, 20 participants	
2017	Dizziness Workshop Assistant, ACEP Academic Assembly	15
2014	National Toxicology Case Conference – Lead Ingestion	
2013, 2014, 2015	SAEM Poster Session QR Code-Based Scavenger Hunt Competition, Creator	

National Conference Posters

Medical School & Residency

Musisca NJ & Naunheim, R. (2015). Not Your Everyday Schizophrenic, Poster session at 21st Scientific Assembly of American Academy of Emergency Medicine.

Awarded Second Place for Best Photo Poster Session

Musisca NJ, Schwarz E, Mullins M & Arroyo-Plasencia A. (2015). Kids Get Into the Darndest Things, Poster Session at Annual Meeting for Society for Hospital Medicine.

Musisca NJ & Debinski W. (2008). Isolation and cloning of hepatocyte growth factor cDNA: A c-Met ligand for targeted therapy of glioblastoma multiforme. Poster session at annual presentation for Wake Forest University Student Summer Research Training Program, Wake Forest University, Winston-Salem, NC.

Undergraduate & Graduate School

Musisca NJ, Duda JL, & Hunt PS. (2004) Opioid regulation of social learning about ethanol in periadolescent rats. Poster session at the annual meeting of the Society for Neuroscience, San Diego, CA.

Woolfrey KM, **Musisca** NJ, Hunt PS & Burk JA. (2004). Postnatal ethanol administration does not affect prepulse inhibition in rats. Poster session at the annual meeting of the Society for Neuroscience, San Diego, CA.

Musisca NJ. (2003). Social exposure to ethanol following naloxone administration and its effects on ethanol intake in periadolescent rats. Presentation for NIH Travel Award Winners at the annual meeting of the International Society for Developmental Psychobiology, New Orleans, LA.

Musisca NJ. (2003). Deciphering the effects of social learning of ethanol in periadolescent rats. Presentation at The College of William & Mary, Williamsburg, VA.

Musisca NJ, Duda, JL, & Hunt PS. (2003). Social exposure to ethanol following naloxone administration and its effects on ethanol intake in periadolescent rats. Poster session at the annual meeting of the International Society for Developmental Psychobiology, New Orleans, LA.

Pezzo MV, Hunston WJ III, Parks SS, & **Musisca** NJ (2000). Sense-making, hindsight bias, and need for closure. Poster session at the First Annual Society for Personality and Social Psychology Conference, Nashville, TN.

GRANTS

Brown Emergency Medicine/Lifespan

2018 Brown Emergency Medicine Physicians Innovations Grant Award. Obstetric Emergencies in the Emergency Department: A Simulation-Based Curriculum. \$7,000

Residency

2015 Travel Scholarship Award – St. Louis Chapter of Society of Hospital Medicine
2015 Missouri ACEP Training Research Grant

Graduate School

2004 Dept Grad Scholars Fellowship, SUNY–Binghamton
2003 NIH Travel Award Winner
2003 The College of William & Mary Travel Grant

UNIVERSITY TEACHING ROLES

Brown University

2022 Physician preceptor, ED BIOL 1530, Emergency Medical Systems, Brown University. Supervised pre-medical students shadowing in the Emergency Department. 2 participants to date.

Warren Alpert School of Medicine

2016-2018 Community mentor, Doctoring III & IV, BIOL 3660 and 3670, Alpert Medical School of Brown University. Worked longitudinally with one to two second-year students, ½ day per week in the Emergency Department, on physical examination & medical interviewing. 1-2 participants per year.

2016 – 2018 Small group co-leader, Doctoring III & IV, BIOL 3660 and 3670, Alpert Medical School of Brown University. Worked longitudinally with 8-9 second-year medical students on advanced physical examination, medical interviewing, advanced communication, and written documentation. 8-10 participants per year.

2017 Co-Faculty Advisor, Essentials of Procedural Skills: An Introduction, BIOL 6671, Alpert Medical School of Brown University. Co-implemented a 10-week preclinical elective for 18 first and second-year medical students that teaches the foundations of essential procedural skills that they will encounter throughout their medical training. Course topics include intubation, peripheral venous access, lumbar punctures, and suturing. 15 participants.

2016-Present 5 Minute Residency Teaching Talks Short, formalized teaching at the beginning of Emergency Medicine shifts. Various topics, 20/year. Created one talk on Paracentesis for the 5-Minute Talk Compendium.

Brown Emergency Medicine Residency

2021 – 2022 Emergency Medicine Biannual Mock Oral Board Lead Instructor

2016 – 2022 Emergency Medicine Mock Oral Board Examiner

May 2022 Acute Cholecystitis – Structured Interview

Sept 2021	Diabetic Ketoacidosis
Sept 2020	Subarachnoid Hemorrhage
May 2020	Scaphoid Fracture, Subarachnoid Hemorrhage, Atrial Fibrillation with Rapid Ventricular Rate – Triple Case
Oct 2019	Subdural Hematoma, Pediatric Otitis Media, STEMI – Triple Case
Oct 2018	Button Battery Ingestion
Oct 2016	Acute Cholecystitis
2018 – 2022	Course Leader, Resident Critical Skills Lab. Using simulation models to teach how to manage difficult airway for 13-14 second-year residents and 2 pediatric EM fellows
2017	Course Assistant, Resident Critical Skills Lab. Using simulation models to teach how to manage difficult airway for 13 second-year residents and 2 pediatric EM fellows
2017 – 2020	Course Leader, Intern Cadaver Procedure Lab. Coordinate and teach 15 emergency interns and pediatric fellows on procedures with cadaveric models.
2021	Course Assistant, Intern Cadaver Procedure Lab. Coordinate and teach 15 emergency interns and pediatric fellows on procedures with cadaveric models.
2017	Contributor, Paracentesis for 5-minute EM Talks. Emergency resident teaching resource.

Washington University in St. Louis School of Medicine/Barnes Jewish Hospital

2015	Course Director – Medical Student Elective - Introduction to Wilderness Medicine Two-week elective comprising of lecture & simulation Created curriculum and recruited faculty to present material Course cancelled due to retraction of six enrollees to two
2015	360° Simulation Resident Education Session
2014	EM Interest Group Splint Clinic
2013	Medical Student Trauma Simulation Sessions
2013	Medical Student Medicine Simulation Sessions
2012	Medical Student Physical Exam Review Session

2002 – 2005

TEACHING ASSISTANSHIPS

The College of William & Mary
 Elementary Statistics Lab, 3 semesters
 Comparative Psychology Lab, 1 semester
 Research in Personality, 1 semester
 Guest Lecturer: Social Psychology course
 Intro. to Psychology as a Natural Science, 1 Semester
 Research Methods in Psychology Lab, 1 Semester

RESEARCH ASSISTANSHIPS

Wake Forest University Baptist Medical Center

2010	Student Investigator Mentor - Dr. Catherine Rees Chart Review: Associations of laryngopharyngeal symptoms with measures of esophageal dysmotility
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2008 Mentor - Dr. Waldemar Debinski
Lab benchwork: Isolation and cloning of growth factor
cDNA for possible GBM treatment

The College of William & Mary

2005 Research Assistantship, Dr. Pamela Hunt
Effects of acute alcohol administration on trace
conditioning in adults and adolescents

2003 Research Assistantship, Dr. Pamela Hunt
Social learning in periadolescent rats

Binghamton University

2004 Teaching Assistantship, Dr. Linda Spear
Evolution and Behavior

HOSPITAL TEACHING ROLES

Morton Hospital

2016 Ultrasound guided IV training for ED Advanced Practitioners

VOLUNTEER ACTIVITIES

2021 Revive the Roots, Resident Community Service Day
Volunteered to work in community garden dedicated to
donations for persons in need

2010 – 2011 DEAC – Delivering Equal Access to Care Clinic
Volunteered as medical student-level provider for evening
free medical clinic for the underserved

2010, 2011 Share the Health Fair
Volunteered as a medical student to help orient and direct
patients to event that provided preventive care screening
such as glucose, cholesterol, and blood pressure checks