

FREDERICK VARONE, MD  
CURRICULUM VITAE

EDUCATION

Hofstra University, Hempstead NY  
Biology, Cell and Molecular  
Bachelor of Science, *magna cum laude*, 2009 – 2013

SUNY Upstate Medical University College of Medicine  
Doctor of Medicine, 2014 – 2018  
Alpha Omega Alpha Honor Society and Stanley A. August Memorial Scholarship Recipient

POSTGRADUATE TRAINING

Emergency Medicine Residency  
Alpert Medical School of Brown University, Providence RI  
PGY1 – PGY4, 2018 – 2022  
Representative of Class of 2022, Resident Advisory Committee 2018 – 2022

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

American Board of Emergency Medicine  
05/2023 - Present

Rhode Island Physician License MD 18438  
04/13/2022 – Present

ACADEMIC APPOINTMENTS

Assistant Professor of Emergency Medicine, Clinician Educator, Department of Emergency  
Medicine, Alpert Medical School of Brown University. Providence RI.  
07/01/2022 – Present

MEMBERSHIP IN SOCIETIES

Member, Society for Academic Emergency Medicine (SAEM)  
07/01/2018 – Present

Member, American College of Emergency Physicians  
07/1/2018 - Present

Member, Emergency Medicine Residents' Association  
07/01/2018 – 6/30/2022

AWARDS AND HONORS

BrownSound Ultrasound Award, Brown Emergency Medicine Residency  
06/16/2022

PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS

## CITI Courses:

Basic Human Subject Protection, 02/19/2021 – 02/19/2024

CITI Good Clinical Practice, 04/13/2021 – 04/13/2024

Lifespan Corporation COI, 08/01/2022 – 08/01/2026

Lifespan Annual Large Animal Training, 07/31/2023 – 07/31/2024

Working with Swine in Research Settings, 08/03/2022 – 08/03/2025

Lifespan Annual Rodent Training, 07/31/2023 – 07/31/2024

Working with the IUCAC, 08/01/2022 – Present

Conducting a Literature Search for Animal Use Alternatives, 10/17/2023 – 10/17/2024

PUBLICATIONS LISTORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Varone F**, Binder W. A Case of Heat Stroke in the Era of Climate Change. *Rhode Island Medical Journal*. 109(4); 63-66. Nov 2021.

MULTICENTER TRIAL INVOLVEMENT

Investigator. An Open-Label, Parallel, Randomized Study to Evaluate the Performance of Needle Placements for Diagnostic and Therapeutic Neuraxial Procedures, Using a Handheld Tactile Imaging-based Method Versus Palpation. ClinicalTrials.gov Identifier: NCT04796935

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA, PEER REVIEWED

**Varone F**. Hypothermic Cardiac Arrest. Brown Emergency Medicine Blog. 07/30/2021. Found: <http://brownemblog.com/blog-1/2021/5/18/hypothermic-cardiac-arrest?rq=varone>

**Varone F**. Can the Thorns Mean More Than the Petals? Brown Triage Health Humanities Blog. 05/15/2020. Found: <https://www.triagehealthhumanities.com/post/can-the-thorns-mean-more-than-the-petals>

**Varone F**, Beucher M. Pediatric Diarrhea: History is the Primary Diagnostic Tool. Brown Emergency Medicine Blog. 10/12/2020. Found: <http://brownemblog.com/blog-1/2020/8/21/pediatric-diarrhea?rq=varone>

**Varone, F**. Clinical Image of the Month: Achenbach Syndrome. Brown Emergency Medicine Blog. 01/11/2019. Found: <http://brownemblog.com/blog-1/2018/12/10/clinical-image-of-the-month-achenbachs-syndrome>

## WikiEM Contributions:

**Varone F** (Contributing Author). In: Donaldson RI, ed. WikEM, The Global Emergency Medicine Wiki. Los Angeles, CA: OpenEM Foundation; Jul 27 – Aug 7.

- Sea Urchins, Nerve Block: Lingual, Suprascapular Neuropathy, Anterior Interosseous Neuropathy, Posterior Interosseous Neuropathy, Spinal Accessory Neuropathy, Parsonage-Turner Syndrome, Tetrahydrozoline, Tianeptine, Tianeptine Toxicity, Splenic Sequestration, Primary Amebic Meningoencephalitis, Multisystem Inflammatory Syndrome in Children

ABSTRACTS AND POSTERS

1. Joanne Liu, **Frederick Varone MD**, J Kyle Volpe MD, Leo Kobayashi MD, Geoffrey Capraro MD MPH. NaloxBox+: Internet-of-Things (IoT) Augmentation of Public Access

- Naloxone Containers to Establish a Distributed Network. Presented at SRA-EM. Alpert Medical School of Brown University. Providence RI. 10/2022.
2. Liu J, **Varone FA, Volpe JK, Kobayashi L, Capraro GA**. Internet-of-things augmentation of public access naloxone containers to establish a distributed network for resource monitoring and utilization research (NaloxBox+). 14th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON); 2023 Oct. 12-14. New York, NY.
  3. **Frederick Varone MD**, Mark Brady MD MPD. Development and validation of an educational intervention to improve performance with a new manual ventilation device (Sotair™). Presented at the National Association of EMS Physicians Annual Meeting 01/2023.
  4. **Frederick Varone MD**, Mark Brady MD MPD. Improving mechanical ventilation with a new device (Sotair™) and educational intervention. Presented at the Military Health System Research Symposium (MHSRS) 8/2023.

### INVITED PRESENTATIONS

#### NATIONAL

Presenter. Rise To The Challenge: Techniques for Teaching Challenging Learners in The Emergency Department. SAEM. New Orleans, LA. 05/13/2022.

#### LOCAL

1. Layer By Layer. Clinical Pathologic Case Presentation with PGY2 Jake Mooney MD. Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. 09/27/2023.
2. A Mythical Case. Clinical Pathologic Case Presentation with PGY2 Sean Bilodeau MD. Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. 09/21/2022.
3. Hypothermia. Emergency Medicine/Trauma Surgery Lecture Series. Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. 03/31/2021.
4. An Undifferentiated Acidosis. Emergency Medicine/MICU Lecture Series. Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. 04/15/2020.

### PROJECTS

Principle Investigator/Instructor. Critical Emergency Procedures Tutorial for Emergency Medicine Residents and Pediatric Emergency Medicine Fellows. Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. August 2022 – Present. -  
Critical skills lab teaching residents and fellows procedures including surgical airways, thoracostomy, thoracotomy, and lateral canthotomy

Principle Investigator. Internet-of-Things Augmentation of Public Access Naloxone Containers to Establish a Distributed Network for Resource Monitoring and Utilization Research (Naloxbox+). Department of Emergency Medicine, Alpert Medical School of Brown University, Providence RI. November 2021 – Present.  
-Poster presented at Brown SRA EM 10/2022

### UNIVERSITY TEACHING

Physician Mentor, BIOL 3640/3650: Doctoring I and II, Alpert Medical School of Brown University. Providence, RI, class size of 1 student; 07/01/2019 – Present.

Resident Course Lecturer, Emergency Medicine Clerkship. Topics including: Trauma, Toxicology, ACS, Headache, Abdominal pain. Alpert Medical School of Brown University. Providence, RI, class size of 6-8 students per session; 07/01/2020 – 6/30/2022.

Resident Course Leader and Instructor, BIOL 6671: Essentials of Procedural Skills. Alpert Medical School of Brown University. Providence, RI, class size of 20 students; 07/01/2020 – 06/30/2021.

#### HOSPITAL TEACHING

Resident Lecturer, Morning Report Series, Brown Emergency Medicine Residency. Topics: Shock, Vasopressors, Hyperkalemia, Hand Injuries, Headache, Guillan-Barre Syndrome Syncope. 6-8 learners per session. 07/01/2021 – 06/30/2022.

#### MENTORING

Advanced Clerkship Mentoring  
MSIII Daniel Antonson, Class of '23  
December 2022 – May 2023

Residency Family Faculty Mentor  
Gansett Gs Residency Family  
July 2022 - Present

Appointed Faculty Mentor to a Residency  
PGY1 Ambuja Suri  
July 2022 – Present

Doctoring I and II Physician Mentor  
MS1 Leon Zhao, Class of '25  
September 2022 – Present  
MS1 Michal Rajski, class of '22  
September 2019 – January 2020